

EMOTION REGULATION AND COGNITIVE REPRESENTATION MODULATE  
NEURAL ACTIVATION TO RISKY GAINS AND LOSSES

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EMOTION REGULATION AND COGNITIVE REPRESENTATION MODULATE  
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Theory and research implicate both emotional and cognitive processes in risky choice framing effects. However, the relative contributions of, and interactions between, these processes are poorly characterized. Prospect theory attributes framing effects to a value function that incorporates emotional valence (i.e., discounting of gains relative to losses). Fuzzy-trace theory attributes framing effects to simplified cognitive representations, which facilitate comparing the values and emotions associated with each framing option. Variants of dual-process theories, such as the affect heuristic and hot-cold framework, attribute framing effects to emotional reactivity (which is facilitated by type 1, automatic cognitive processing, and is sometimes overridden by type 2, deliberative cognitive processing). Although prior studies have described brain activation during risky choice framing effects, no study to date has used MRI data to test these competing theoretical explanations. Using a cognitive manipulation, we tested competing hypotheses of prospect theory versus fuzzy-trace theory. We also tested whether this cognitive manipulation could explain unique variance beyond individual differences in emotion regulation, by relating framing decisions to performance on an emotional go/no-go task. A behavioral sample (N = 99) completed both a framing task and an emotional go/no-go task. A subset of this sample (N = 32) completed the framing task inside an MRI scanner.

We observed effects of both cognitive manipulation and emotion regulation on framing decisions. The cognitive manipulation increased or decreased framing effects (in conditions predicted by fuzzy-trace theory, but not by prospect theory). In addition, poorer emotion regulation predicted increased susceptibility to framing effects. Crucially, the cognitive manipulation accounted for unique variance after controlling for emotion regulation. These behavioral results support predictions by fuzzy trace theory, the affect heuristic, and the hot-cold framework. Framing effects were associated with activation in a network of frontal, parietal and subcortical regions, including the amygdala, dorsal striatum, inferior parietal lobule, and ventral prefrontal cortex. Poorer emotion regulation was associated with increased activation in the amygdala and caudate during framing-consistent decisions. These results suggest that both cognitive and emotional processing contribute to framing effects, and that cognitive representations can modulate risky decision making independently of emotion regulation ability.

## BIOGRAPHICAL SKETCH

Christina French Chick is a graduate of Cornell University (MA, developmental psychology), Dartmouth College (BA, psychological and brain sciences), and Phillips Exeter Academy. Her research on cognitive and affective neuroscience has appeared in *Psychological Science*, *The Journal of Neuroscience*, and *Journal of Experimental Psychology: Learning, Memory and Cognition*. As a doctoral student, she studied under the mentorship of Dr. Valerie Reyna, conducting analyses of behavioral and functional magnetic resonance imaging data in order to test theoretical predictions about human cognitive and affective processing. Dr. Chick has taught undergraduate courses including *Memory and the Law* and *Laboratory in Risk and Rational Decision Making* at Cornell University. She is currently a postdoctoral scholar under the mentorship of Dr. Amit Etkin in the Department of Psychiatry and Behavioral Sciences at the Stanford University School of Medicine. There, she uses functional magnetic resonance imaging and transcranial magnetic stimulation in order to identify mechanisms of emotion regulation.

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University, I have come to deeply appreciate that each of us is a product of our early environments. Throughout my life, I have been blessed with an environment that encouraged me to thrive. As a teacher and mentor, I will remember the influence that affirmation and encouragement can have on a student, and I will look for opportunities to provide both of these. I hope to continue to have the occasion to recognize and encourage young people to develop their intellect in a way that is fulfilling, meaningful, and of service to others.

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I

DECISION MAKING (INDIVIDUALS)

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### **Key Words**

choice, preferences, cognition, emotion, memory, neuroscience, development, risk, dual-process theory, fuzzy-trace theory, construal level theory

### **Glossary**

**Affect:** a feeling state that is distinguished by valence (positive vs. negative) and sometimes arousal and other dimensions.

**Cognitive reflection test:** a set of three questions, to which people give a response that is assumed to be either automatic and seemingly obvious (but incorrect) or effortful and deliberative (and correct).

**Expected utility:** similar to expected value, but outcomes are nonlinearly transformed into utilities (indices of relative value).

**Expected value:** the average outcome of a risky choice. For example, a coin-toss for \$200 or \$0 has an expected value of \$100 (i.e.,  $0.5 \cdot 200 + 0.5 \cdot 0 = 100$ ).

**Framing effects:** shifts in preferences for objectively identical options when risks are described as gains versus losses.

**Invariance:** an axiom stating that individuals should show equal preference for options that have equal outcomes.

**Numeracy:** the ability to understand and use numbers.

**Preferences:** in psychology, an underlying construct thought to reflect the value of options; in economics, revealed by choices.

**Risk:** can be defined in many ways. One version is the possibility of, or variance among, multiple outcomes.

**System 1 and 2:** two modes of thought in standard dual-process theories. System 1 is characterized as fast, automatic, effortless, and intuitive, whereas System 2 is characterized as slow, deliberate, controlled, and effortful. Standard dual-process models posit that System 1 is responsible for many cognitive errors and that System 2 can sometimes override System 1 in order to avoid such errors.

**Temporal discounting:** devaluing of future outcomes relative to immediate ones.

**Utility:** in economics, a measure of relative satisfaction or pleasure associated with an outcome.

### **Synopsis**

Initial theories described decision making as a psychophysical process. Modern approaches, however, take into account factors such as emotion and intuition. Any theory of decision making must explain such phenomena as framing effects, temporal discounting, numeracy, and cognitive reflection. Recent research has identified developmental differences in how children, adolescents and adults make decisions, particularly those involving risks. In addition, recent research on emotion and the neuroscience of decision making has suggested neural hypotheses for the role of reward circuitry and cognitive control in decision making.

### **Introduction**

Decision making can be defined as the selection of a course of action among options. Those options can range from selecting a marriage partner to selecting a political party affiliation. Scholars who study decision making come from many disciplines. For example, decision making has long been of interest as a topic in economics and psychology. Early models of the decision making process were mathematical. These mathematical models described the decision-making process as a matter of performing calculations, involving such concepts as probabilities of outcomes and the monetary values of outcomes, in order to select a best course of action. Many modern models of decision making are variations of these original mathematical formulations.

However, recent conceptions of decision making emphasize psychological factors. Among these factors are relatively stable characteristics of people, which are called individual differences. Numeracy, or the ability to understand and use numbers, is

a popular example of an individual difference that is thought to influence the quality of financial and health decision making. Intelligence, or cognitive ability, is another. In addition, emotion has received a great deal of attention recently, especially in dual-process theories that contrast emotional with deliberative decision making. Process models of memory are also increasingly influential in research on decision making. For example, how people remember features of options affects their preferences for the options. For these and other topics, neuroscience has become a useful tool for revealing the mental processes that underlie preferences and choices.

There are many societies and organizations dedicated to studying and improving decision making, such as the Society for Judgment and Decision Making ([www.sjdm.org](http://www.sjdm.org)) and the Decision Analysis Society (<http://www.informs.org/Community/DAS>).

Decision making is also sometimes studied within particular professional domains, such as business or medical decision making. For example, the Society for Medical Decision Making ([www.smdm.org](http://www.smdm.org)) is an interdisciplinary group of academicians (health economists, psychologists, and others) and health professionals. These societies hold annual meetings and publish journals.

### **History: Expected Value, Expected Utility, and Prospect Theory**

#### **Psychophysical approaches: Translating reality into perceptions**

**From mathematics to economics.** An early decision rule compared the expected values of options. The expected value is calculated as the outcome value multiplied by the probability of that outcome (e.g., a .5 probability of winning \$10 is equivalent to winning \$5 for sure, with 1.0 probability, because  $0.5 * \$10 = \$5$ ). In the 1700's, Daniel Bernoulli suggested that the utility or personal value of wealth is not simply its monetary

value. He suggested that the value of an additional quantity of money (say, \$100) decreases as one's wealth increases. An extra \$100 means more to a starving student making \$9,000 a year than it means to a successful executive making \$900,000 a year. This idea of declining marginal utility or diminishing returns was captured with a logarithmic function. In other words, utility does not increase linearly with increasing wealth, but falls short increasingly as the magnitude of wealth increases. Thus, expected utility, not expected value, was thought to govern decision making.

Expected utility was mainly used by economists to study the behaviors of buyers and sellers. As with expected value, if a decision maker makes choices consistently based on maximizing expected utility, his or her total wealth will be higher (compared to choosing inconsistently or not choosing so as to maximize utility). The idea that choices should be made consistently has been formalized in terms of certain axioms or rules of coherence. Debate continues to this day about which axioms are the most fundamental. For example, the axiom of transitivity holds that if someone preferred A to B and preferred B to C, then the person must prefer A to C. Another axiom called invariance means that if two options have the same consequences, then individuals should show equal preferences for those options.

For most people, the expected utility of a sure bet exceeds the expected utility of the gamble that offers the same expected payout; in other words, people are typically risk-averse. Given a sure option to win \$1,000 versus a gamble option that offers a .50 probability to win \$2,000, most people will prefer the sure option. (In the rare event that a person is risk-seeking, he or she should prefer the fair gamble of equal expected value to the sure bet.) The more common preference for \$1,000 can be explained by Bernoulli's

decreasing marginal utility of money. Alternatively, various other models attempt to explain it. In expected utility theory, a given utility is reference independent; that is, utility does not depend on the description of the options. Expected utility theorists assumed that people were rational, meaning that they maximized expected utility, obeying axioms of internal coherence, and that their preferences for risk should therefore be consistent. Subsequent research, however, suggests that decisions are based on the decision maker's initial frame of reference.

**Prospect theory.** In the late 1970s, Daniel Kahneman and Amos Tversky challenged the rational view of decision making. They introduced prospect theory, which was based on psychological research indicating that individuals are not consistently risk-seeking or risk-averse. Rather, individuals interpret gains and losses relative to a reference point, which is usually the status quo (e.g., the amount of money that they have initially). People tend to be risk-averse for gains relative to the status quo (money won) but risk-seeking for losses relative to the status quo (money lost). For example, imagine that you were given \$2,000, but you had to then choose between two options: losing \$1,000 for sure or gambling on a .50 probability of losing \$2,000 and a .50 probability of losing nothing. In response to this problem, which describes the options in terms of losses to an original sum, most people prefer to gamble (they are risk-seeking). Of course, once you subtract your losses from the \$2,000 you were initially given, you are facing exactly the same options as in the previous paragraph, where the options were described as gains to an original sum. However, whereas most people prefer the gamble in the loss problem, they tend to prefer the sure option in the gain problem. In light of this result, Kahneman and Tversky proposed an alternative theory of risk in which utility

is based on changes in wealth rather than absolute states of wealth. This new theory was called prospect theory.

The prospect theory model looked like an S curve; it was concave in the first quadrant (representing gain) and convex in the third quadrant (representing loss). Crucially, the slope of the loss function was steeper than the slope of the gain function, indicating that people place a higher value per unit on loss than they do on gain. That is, people are more upset about losing something than they are happy about gaining the identical amount. This asymmetry between losses and gains is called loss aversion.

Prospect theory fits some hard-to-explain data such as the endowment effect, in which people require more money to give up something they already have than they are willing to pay to get the identical object. This effect is also explained in terms of loss aversion. For example, in one study, subjects were randomly assigned to be buyers or sellers. Sellers were given a coffee mug valued at \$6 and were asked whether they were willing to sell their mugs at a range of prices between \$0.25 and \$9.25. Buyers were not given mugs and were asked whether they were willing to buy mugs from the sellers at the same range of prices. The results of the study demonstrated that sellers consistently valued the mugs higher (\$7.12 on average) than the value the buyers (\$2.87) were willing to pay for the mugs. In some cases, the sellers preferred to keep their coffee cups, rather than to sell them. People are often unwilling to give up what they have to get something else that they might otherwise prefer because a loss has a greater psychological impact than a gain.

**Framing.** Frames are ways of describing choices. In the example above in which \$2,000 is given initially and then dollar amounts are subtracted, the options are described

in terms of losses. In an earlier example, the same options were described in terms of gains. Despite being objectively identical, the two versions of the choices are not psychologically equivalent because they result in different preferences for risk (i.e., preferring risk in the gain frame but avoiding risk in the loss frame). Different decision making theories offer alternative reasons as to why frames result in inconsistent preferences, even in the same individual. According to prospect theory, the distortion in the psychological value of gains contributes to perceiving the larger gamble outcomes as more discounted relative to the smaller sure outcomes. The same types of distortions for losses make the losses seem smaller in the gamble than in the sure option. More recent findings have cast doubt on the generality of the prospect theory explanation, although the explanation holds in some circumstances.

There are individual differences in susceptibility to framing effects. For example, framing has been shown to interact with numeracy (the ability to understand and use numbers). The more people understand numbers and probabilities, the less likely they are to shift preferences when numerically identical options are presented. This interaction between framing and numeracy has been obtained with what is called attribute framing, in which the same attribute is described in different but objectively equivalent ways (e.g., test performance is described as 80% correct versus as 20% wrong) as opposed to risky choice framing as in the examples discussed earlier. It suggests that people high in numeracy might spontaneously convert positively framed attributes into negatively framed attributes, and vice versa, because they are good at such computations. People who score higher on the cognitive reflection test also show less of a framing

effect. The cognitive reflection test is a three-item math test in which intuitive answers are wrong and need to be overridden by correct analytical processes.

### **Contemporary Approaches**

#### **Global models**

Global models, in contrast to dual process models, assume that one or more set of processes (i.e., a single system) governs decision making. Many resemble the traditional psychophysical approaches already discussed (e.g., expected utility theory and prospect theory). Some recent global models, for example, add multiple reference points in addition to the status quo. New global models include memory theories, such as Query Theory, which predicts a wide range of effects based on the order in which memory is queried or interrogated. For example, asymmetries in buying and selling prices can be predicted by the order in which buyers and sellers think of reasons to have the good versus reasons to have the money. Whichever set of features is retrieved first tends to inhibit the set of features that is retrieved second, producing preference reversals when the order of retrieval is varied.

#### **Standard dual process theories**

Sigmund Freud proposed an early dual process theory on which some contemporary dual process theories are based (e.g., Seymour Epstein's cognitive experiential self theory). According to Freud, primary and secondary processes designated two opposed yet complementary models of psychic functioning. The primary process is driven directly by one's basic needs and serves the pleasure principle without inhibition. The secondary process, in contrast, is the intervening rational system of control and regulation that functions in service of the reality principle. Contemporary

dual process theories similarly posit two opposing processes, one more visceral and the other more reflective. These processes are often called System 1 and System 2, respectively.

**System 1 and System 2.** There are some judgments that are formulated upon reflection, based on systematic and calculative operations of decision making.

Alternatively, there are decisions that are made quickly and automatically. Dual-process theories suggest that at different times, responses can reflect the operations of either the fast, automatic, and intuitive System 1 or the slower, serial, and rule-governed System 2, as they were labeled by Keith Stanovich and Richard West. Because System 1 is faster than System 2, intuitive impressions can outrace rational deliberation, producing wrong or biased responses that would be censored on reflection.

In contrast to System 1, System 2 is conscious and effortful. For example, when cognitive load is high (e.g., people have a lot of information they have to keep in mind), people may revert to System 1 thinking because it is less effortful. System 1 is a source of errors, biases, and fallacies in decision making, although it does not necessarily result in poor performance.

Some standard dual-process theories make slightly different dual-process distinctions. For example, some dual-process theories contrast associative (mindless associations) versus rule-based (mindful rules, such as logic) thinking, others contrast concrete experiential thinking with rational analytical thinking (as in the Cognitive Experiential Self Theory of Seymour Epstein), and still others oppose affect (or emotion) and cognition (or rationality).

**Affect versus cognition.** In standard dual-process approaches, as in Freudian dualism, when people use affect or emotion to make decisions, their thinking is illogical, irrational, or quantitatively inaccurate. For example, relying on affect, people will donate more money to save one starving child than to save eight starving children. It is suggested that portraying a single child stirs stronger emotions than portraying a group; the former seems more personal, whereas the latter seems like a statistic. Thus, the single child elicits more donations. Paul Slovic has suggested that these processes are implicated in the insensitivity that people seem to have to genocide.

This approach has also been called the dual-process valuation model. This model posits that people assess the value of a target in different ways, namely by affect (i.e., valuation-by-feeling) or by analytic cognition (i.e., valuation-by-calculation). In one study, participants were asked how much they would be willing to pay for a bundle of either five or ten Madonna CDs. Subjects in the valuation-by-calculation conditions performed mathematical calculations prior to pricing the CDs. They were willing to pay more (on average) for ten CDs than for five CDs. Subjects in the valuation-by-feeling condition engaged in activities designed to generate emotions. The latter group reported no difference in the amount they were willing to pay for ten CDs versus five. In all of these approaches, emotion is expected to flatten the discrimination of quantity (e.g., perceptions of the numbers of CDs) so that it is more distorted away from linearity.

**Fuzzy-trace theory.** Approaches to rationality differ and include Piagetian logicism (thinking as logic), information-processing formalism (thinking as computation), and intuitionism (thinking as intuition, as exemplified in fuzzy-trace theory). The core assumptions of fuzzy-trace theory are rooted in research on memory,

judgment, and decision making, and they take into account the social, cognitive, affective, and developmental factors involved in decision making. According to fuzzy-trace theory, people encode multiple mental representations of their experience at the same time. These representations range in specificity from low (gist representations) to high (verbatim representations). A gist representation is a fuzzy impression of the general meaning of information or experience, supporting intuitive thinking. Verbatim representations are mental representations of exact details, supporting precise analysis. These assumptions are required in order to account for specific counterintuitive and seemingly contradictory results.

Intuition in fuzzy-trace theory is defined as fuzzy, impressionistic thinking using vague gist representations. Thus, mindless impulsive reaction (e.g., System 1 in standard dual-process models) is distinguished from insightful intuition that reflects understanding (e.g., gist in fuzzy-trace theory). In other words, there are two kinds of fast and simple ways of thinking: a stupid kind that represents the most primitive form of thinking (e.g., System 1) and a smart kind that represents the highest form of thinking, insightful intuition (i.e., gist). In the foundations of mathematics (i.e., the basic assumptions of the field), mathematical intuition is characterized as a similarly advanced form of thinking.

Fuzzy-trace theory draws on evidence for independent gist (basic meaning) and verbatim-memory (exact detail) representations of information, but it differs from other dual-process models in emphasizing that there are degrees of rationality and that intuition is an advanced form of reasoning. Such claims are based on empirical evidence about the development of reasoning (e.g., evidence comparing reasoning by children and adolescents to that of adults and reasoning of adult novices to that of experts). Research

has supported the theory that children's cognitive processes progress from detail-oriented computational reasoning to more intuitive processing in which people process less information more categorically and qualitatively with age. Similar predicted trends were found among experts versus non-experts. For example, Valerie Reyna and colleagues found that expert cardiologists processed fewer dimensions of information than less expert physicians when deciding whether to admit patients with chest pain to the hospital. Crucially, experts were able to identify the few most influential factors and focus on those in order to make faster and more accurate decisions.

The theory also predicts parallel development of verbatim-based analysis and gist-based intuition, which produces developmental reversals (e.g., children outperform adults) under specific circumstances. As an example, despite increasing competence in reasoning, some biases in decision making grow with age, producing more "irrational" violations of coherence among adults than among adolescents and younger children. The latter phenomena are linked to developmental increases in gist processing with age. The first framing study in children was conducted to test predictions of fuzzy-trace theory. As predicted, framing effects actually increased from childhood to adulthood, as do other biases that rely on semantic gist. With greater experience and knowledge, decision making is predicted to become more simple and straightforward, that is, based on gist.

These developments have implications for health and well-being, especially regarding adolescent risk taking. Fuzzy-trace theory has been applied to understanding how risk taking changes from childhood to adulthood. In particular, adolescence is a period of vulnerability to risk taking and poor decisions, vulnerabilities that only increase bad outcomes in young adulthood when parental supervision lessens. Surprisingly,

across many domains of problem behavior, adolescents who take risks engage in more verbatim-based analysis, but risk avoiders use gist-based intuition.

Fuzzy-trace theory, therefore, differs from other dual-process approaches in three respects. First, intuitions are considered an advanced form of reasoning. Developmental research on children's learning and on expert decision making supports this view. Second, in addition to inculcating the bottom line meaning of an experience, gist representations also incorporate emotion, including valence (positive/negative; good/bad), arousal (high/low), and feeling states. Emotion can color the interpretation of a stimulus (i.e., its gist), especially when the stimulus is ambiguous. In particular, emotion influences the encoding of stimuli (i.e., how the choice is represented), the retrieval of values and principles, and the implementation of values and principles (i.e., their application to option representations). Research supports the claim that decisions about risk made in the presence of emotion are made differently than those made in its absence. Third, fuzzy-trace theory provides specific predictions about rationality that contradict predictions made by standard dual-process and other theories. Most notably, fuzzy-trace theory predicts framing effects, but under a different theoretical justification than that provided by prospect theory. In addition, some effects predicted by fuzzy-trace theory cannot be predicted by prospect theory. According to fuzzy-trace theory, invariance is achieved through gist processing because decision making is based on the substance of information rather than on superficial details.

**Subjective understanding: Construal level theory.** Drawing on fuzzy-trace theory as well as other approaches, construal level theory posits that people can have two different subjective interpretations (construals) of the same event: abstract and concrete.

Moreover, each type of construal affects decisions differently. High-level construals, like gist representations, are broad, abstract generalizations that capture the central immutable features of an event and that help generate the event's general meaning. Low-level construals, in contrast, are like verbatim representations in that they consist of multiple, narrow, concrete categorizations that direct attention to the details of an event. The concept of psychological distance is measured by construal level, such that low-level construals are psychologically proximal (close) and high-level construals are psychologically distal (far).

Construal level theory predicts that, as psychological distance increases, detailed information from that event becomes less accessible, less accurate, and less reliable, whereas the overall understanding becomes more abstract. For example, in one study that tested high-level vs. low-level construals, individuals were asked to imagine a set of scenarios (e.g., a camping trip or a friend's visit to NY) that would occur in either the proximal or distant future. For each scenario, participants grouped a set of related objects (e.g., a snorkel or a tent) into however many conceptual piles they deemed appropriate. In line with the research hypotheses, people in the high-level construal group (i.e., those who received the distal cue) created fewer piles with broader, more abstract criteria than did the low-level group (i.e., those who received the proximal cue). Research based on construal level theory suggests that people are often overly optimistic about choice options in the future because such events are represented in an abstract (high-level) manner and are not readily accessible for cognitive processing at a concrete (low) level.

Construal level theory also makes predictions about temporal discounting, which is the phenomenon in which people devalue (i.e., discount) outcomes that will occur in

the future. For example, people are willing to pay the retail price for a computer they can take home immediately but they expect a discount if they have to wait for it. Research on temporal discounting reveals that, faced with the choice between receiving a small reward now and receiving a larger reward received two weeks from now, most people opt for the immediate reward. However, when both options involve a delay (e.g., receiving the reward two weeks from now versus four weeks from now), preferences reverse in favor of the larger reward. In both examples, the options differ by the same amount of time (two weeks), so the reversal of preferences suggests a categorical difference in the way people value (construe) rewards that are available immediately versus those they must wait for.

Research combining temporal discounting and construal level theory tested how high- versus low-level construals affect patience and self-control. Results over a series of experiments demonstrated that people who used high-level construals showed greater optimism about their future choices, greater physical endurance over time (indicated by their ability to squeeze a handgrip longer), and more self control (indicated by their preference for larger delayed rewards over smaller immediate rewards ) than did people who used low-level construals.

According to construal level theory, different aspects of a reward's desirability are more salient (i.e., cognitively accessible) at different delays. Specifically, for decisions about the present, low-level, specific, and concrete features such as practicality should be most influential. In contrast, for decisions about the distant future, high-level, abstract, and broad features, such as compatibility with one's ideal self, should be most influential. Accordingly, different decisions should be attractive at different delays. Decisions whose

low-level value outweighs their high-level value should be more attractive in the short-term. Decisions whose high-level value outweighs their low-level value should be more attractive in the long-term.

One experiment that tested how different construals affected self control asked participants, “Right now, if you had to choose between an apple and a candy bar, which would you choose?” Subjects who preferred apples were defined as having greater self-control in relation to dieting goals. After a pre-test activity that primed participants to either a high-level or a low-level construal condition, the study showed that people in the high-level construal condition chose apples over candy bars more often than did those in the low-level condition. This suggests that high-level construals support greater self-control. By changing the cognitive construals that research subjects used, researchers were able to alter the nature of temptation impulses. Construal level theory, therefore, has implications for reducing impulsive decision making.

### **Emotional Influences on Decision Making**

#### **Emotions as content in decision making**

Affective or emotional processes have received increasing emphasis in models of decision making. Affect cannot be reduced to only valence (good-bad) and intensity. The appraisal of affect, how it is interpreted, also depends on the situation and the specific emotion that is elicited. Specific emotions are associated with specific action tendencies (e.g., fear with the action of escaping). For example, risk taking has been shown to be influenced by affect; people experiencing anger or happiness tend to be risk taking, whereas people experiencing fear or sadness tend to be risk-averse. Positive emotions result in increases in the value of associated options, or approach, but negative

emotions result in decreases in the value of associated options or avoidance. General feelings of arousal can affect the choices being made even when the choices did not actually generate the feelings. For example, men who were aroused by pictures of attractive women were more likely to choose a sooner smaller amount of money relative to a later larger amount of money. Economists describe this as impatience and psychologists describe it as impulsivity.

**Emotion: Supporting or derailing adaptive decisions**

Emotions can impair judgments, preventing goal attainment by increasing susceptibility to environmental temptations. However, emotions also provide clear evolutionary advantages to decision making, despite their ability to interfere with higher-level thinking. For example, the intrusion of emotion on attention, which can interrupt goal-directed behavior, is important in supporting the ability to detect and attend to urgent threats. Emotional stimuli are detected more quickly than are neutral stimuli, and people can maintain their focus better on emotional relative to neutral stimuli in the presence of distracters.

**Affect as information.** Affective signals can, consciously or unconsciously, facilitate memory of past rewards and aversive experiences, compressing this knowledge into a quickly accessible format. This is advantageous to rational decision making because analytical attempts to reason through all relevant past experiences would require a prohibitive amount of time and working memory capacity. In this way, emotional or affective signals automate the application of knowledge from past situations to current situations without straining cognitive resources. Consistent with this helping role of

emotion is that, per fuzzy-trace theory, gist-based evaluation of risk leads to more adaptive decisions and increases with both age and expertise.

**Common currency.** Emotional and affective reactions to different types of stimuli, both primary (e.g., food, sex, or drugs) and secondary (e.g., money or gambling chips), provide a way to assess the relative value of disparate items on a single scale of subjective value. Affective reactions can be used to evaluate current options against counterfactual scenarios, past experiences, and imagined future rewards or punishments (although such imagined rewards are subject to temporal discounting).

**Affective priming, mood congruency, and misattribution.** In affective priming, an initial stimulus induces a mood which persists and affects the evaluation of the second stimulus in a valence-consistent manner. Subjects who experience a negative mood in response to an initial stimulus often misattribute the negative mood to the second stimulus. Even after the experimenter alerts subjects to the alternate explanation (i.e., that the first stimulus, not the second, induced the negative mood), subjects persist in their negative evaluations of the second stimulus. Mood congruency is similar to affective priming except that the subject's incidental emotions, rather than a reaction to a prior stimulus, are what color the evaluation of a novel stimulus in a manner consistent with the subject's pre-existing mood state.

### **Impulsivity and the somatic marker hypothesis**

**Physiological cues of emotional state.** One emotion-based model of decision making is the somatic marker hypothesis, according to which decision making in normal individuals is guided by emotional states produced by bioregulatory processes. For example, while playing a gambling card game, normal subjects develop a measurable

physiological (skin conductance) response in anticipation of risky outcomes. Drug addicts and people with damage to the frontal lobe of the brain fail to create an anticipatory skin conductance response before drawing a card from a risky deck, and some researchers take this to suggest that their impaired emotional function and suboptimal decision making are connected via an altered physiological response to risk.

### **The Neuroscience of Decision Making**

#### **Measurement techniques**

Neuroscientific models attempt to identify the brain mechanisms that are associated with reasoning. Recent technology has developed methods for correlating neural, i.e., brain, activity with different types of thinking. These techniques include functional magnetic resonance imaging (fMRI), positron emission tomography (PET), and electroencephalography (EEG). Additionally, diffusion tensor imaging (DTI) and magnetic resonance imaging (MRI) are used to infer structural differences or developmental changes in brain regions. Although decision making is one of the most extensively-investigated areas using these new techniques, it is important to understand the limitations of the inferences that may be drawn from such studies. Results associating brain activity with decision making are correlational; that is, although brain activation may co-occur with certain behaviors, there is insufficient evidence to infer a causal relationship. Nonetheless, techniques such as fMRI, PET, EEG and DTI have the potential to greatly inform models of decision making.

#### **Brain regions**

The integration and evaluation of information from memory, emotional cues, and sensorimotor stimuli is thought to occur in the lateral prefrontal cortex and parts of the

anterior cingulate cortex. These regions, dubbed areas of executive function, relate to critical decision making behaviors, such as inhibiting unnecessary or goal-defeating information, planning ahead, and contemplating risks and rewards.

Areas including the amygdala, nucleus accumbens, and medial prefrontal cortex are implicated in the processing of salient social information, such as faces, attractiveness and other social judgments. Whereas the orbitofrontal cortex is associated with simple emotional reactions such as fear, there is evidence of selective activation of the anterior cingulate cortex when considering the outcome of a decision requires assessment of another person's attitude or behavior. For example, the anterior cingulate cortex is active during cooperation and trust games and is associated with better memory for social versus nonsocial information. Since most real-life decisions occur in a social context, this is an important component of the decision-making network.

### **Reward and incentive**

Another component of social and emotional decision processing is how much the individual values the reward that is likely to result from a particular decision. Research suggests that activity in the nucleus accumbens is linked to reward sensitivity. Further, dopamine, a neurotransmitter implicated in learning and reward, is concentrated in the nucleus accumbens and has been strongly associated with reward-related behavior.

**Incentive salience.** Dopamine is not essential to the intrinsic evaluation of a reward. Rather, its function is thought to lie in the connection between that reward and the action (or series of actions) necessary to obtaining it. The association of motivational (reward) value with a behavior is called incentive salience, or value binding. The generation and execution of a reward-oriented action plan is associated with activity in

the dorsal striatum. The processing of the magnitude of the reward obtained from an action, particularly if it differed from the expected reward, is associated with activity in the anterior cingulate cortex and ventral tegmental area.

**Reward-prediction-error hypothesis.** Some researchers have found evidence that changes in the pattern of dopamine release in the ventral tegmental area of the brain reflect the difference between the expected and the actual reward obtained for a given behavior. These phasic surges form a record of reward prediction accuracy. Thus, if a reward is better than expected, there is a burst of dopamine, which indicates a positive reward-prediction error. If a reward is worse (i.e., either less valuable or more aversive) than expected, there is a pause in the pattern of dopamine release, indicating a negative reward-prediction error. Baseline-level dopamine activity indicates that the reward was as expected. Thus, the difference between what you got and what you thought you would get (i.e., the reward-prediction error) is thought to be recorded in the brain by corresponding increases or decreases in dopamine release. The reward-prediction-error hypothesis, supported by evidence from rodents and primates, is thought to describe the way people learn the association between a particular action and the magnitude and desirability of the consequence.

### **Risk taking in adolescence**

Adolescents are widely assumed to make riskier decisions than either children or adults. This phenomenon is not explained by theories of decision making that assume the capacity for rational decision making increases linearly with age, prompting attempts to explain this developmental incongruity. Two classes of explanation have emerged.

**Developmental asymmetry.** One hypothesis posits that two brain networks important in decision making develop at different rates and that, during the period when one is more mature than the other, adolescents are less able to make adaptive decisions. Some researchers attribute adolescents' proneness to risky decision making to a developmental asymmetry between the socio-emotional system, which matures earlier and determines reward sensitivity, and the cognitive control system, which matures later and governs planning and inhibition. According to this account, over the course of development, the functional connectivity of these two regions improves. As a result, it is thought to be the reliance on affect over cognition in adolescence, and a deficit in connectivity between areas of emotional processing and areas of cognitive control, that causes this group's proclivity for risky decision making. Naturally, brain anatomy and connectivity are thought to be important in risky decision making, but the details of this mechanism are far from established.

**Gist versus verbatim processing.** Adolescents do not, as many believe, underestimate risks or consider themselves to be invincible. Converging data show that they tend to overestimate risk and often overestimate their vulnerability to negative outcomes. Adolescents possess the basic cognitive capacities to distinguish risky from riskless decisions; their deficiency lies in overanalyzing the situation—that is, in tending to favor calculative over gist-based decision making when it comes to risk. In terms of fuzzy-trace theory, adolescents tend to use verbatim processes more often than do adults (who use gist processes) to make decisions involving risk.

As an example, consider the proposition to play Russian roulette with a six-chamber gun for a gamble of six million dollars. In Russian roulette, a gun is loaded with

only one bullet and fired to the player's head. If the chamber containing the bullet comes up when the trigger is pulled, the player dies. Otherwise, one of the empty chambers comes up, and the player wins the money. Gist and verbatim thinking result in drastically different approaches to the proposition to play Russian roulette.

A verbatim thinker will calculate the expected reward of the risk, i.e., the desired outcome weighted by the probability of attaining that outcome. In this example, this means that there is a five-sixths chance of winning times a six million dollar prize, which equals an expected reward of five million dollars. Given this high expected reward, a verbatim thinker may accept the risk and play the game. By choosing to play, the verbatim thinker elects to take a risk that has a potentially disastrous outcome (i.e., death) so long as there is also the chance for a very high reward. Verbatim thinkers do factor in the high negative value of death; however, there is a price that can be paid that will compensate for it.

To the contrary, a gist thinker will extract the bottom-line meaning from each option. Since the bottom line of Russian roulette is that you could die, gist-based thinkers will refuse to play, no matter the potential reward, because the negative outcome is catastrophic. Gist thinkers are able to tolerate a small chance of death for necessary risks (such as crossing the street) but not for unnecessary ones (like having unprotected sex).

According to multiple experiments, adolescents tend to approach risky decisions with verbatim-based analysis, whereas adults take a gist-based approach to the same risk. Studies of real-life risk taking also are consistent with this view; adolescents' perceived

risks and perceived benefits predict self-reported risk taking (e.g., substance use), in contrast to hypotheses that such behavior is mainly impulsive and unintentional.

The better decision outcomes associated with gist-based thinking suggest that intervention programs should foster this type of thinking. The idea that risk-taking tendencies cannot be altered, nor outcomes improved, because of the immaturity of brain development has been falsified by the effectiveness of gist-based and other educational programs. As a result, intervention programs might do best to shelter younger adolescents from opportunities to engage in risky behaviors, given that they are not fully equipped to make healthy decisions, but to instruct older adolescents in better decision making skills. Recent evidence supports the efficacy of this approach.

### **Summary**

Although scholars continue to debate key aspects of the decision making process, theories have historically shifted from single-process and psychophysical approaches to a variety of dual-process approaches. Current dual-process models such as fuzzy-trace and construal-level theories are based on evidence that people mentally encode multiple representations of the same event, and cuing different representations can result in different decisions. This observation is especially relevant in the area of risk taking among adolescents; in particular, adolescents who trade off risks for rewards seem to take more risks than do those who take a categorical stance of avoiding unnecessary risk. Current theories also account for the complex role of emotion in the decision process, acknowledging that this influence is sometimes beneficial and sometimes detrimental. Recent neuroscience research has produced neural hypotheses about several phenomena, including reward valuation and cognitive control. As future research explores synergies

between behavioral psychology and behavioral neuroscience, theories from both realms should be mutually constraining.

### Further Reading

- Kahneman, D. (2003). A perspective on judgment and choice: Mapping bounded rationality. *American Psychologist*, *58*(9), 697-720. doi: 10.1037/0003-066X.58.9.697
- Reyna, V. F. (2004). How people make decisions that involve risk: A dual-process approach. *Current Directions in Psychological Science*, *13*, 60-66. doi:10.1111/j.0963-7214.2004.00275.x
- Tversky, A. & Kahneman, D. (1981). The framing of decisions and the psychology of choice. *Science*, *211*, 453-458. doi: 10.1126/science.7455683

### Websites

- Decision Analysis Society <http://www.informs.org/Community/DAS>
- Society for Judgment and Decision Making [www.sjdm.org](http://www.sjdm.org)
- Society for Medical Decision Making [www.smdm.org](http://www.smdm.org)

### References

- Casey, B. J., Getz, S., & Galvan, A. (2008). The adolescent brain. *Developmental Review, 28*, 62–77. doi:10.1016/j.dr.2007.08.003
- DeMartino, B., Kumaran, D., Seymour, B., & Dolan, R. J. (2006). Frames, biases, and rational decision-making in the human brain. *Science, 313*, 684-687. doi: 10.1126/science.1128356
- Fujita, K., Trope, Y., Liberman, N., & Levin-Sagi, M. (2006). Construal levels and self-control. *Journal of Personality and Social Psychology, 90*, 351–367. doi: 10.1037/0022-3514.90.3.351
- Kuhberger, A. & Tanner, C. (2010). Risky choice framing: Task versions and a comparison of prospect theory and fuzzy-trace theory. *Journal of Behavioral Decision Making, 23*(2) 314-329. doi: 10.1002/bdm.656
- Reyna, V. F., & Brainerd, C. J. (1995). Fuzzy-trace theory: An interim synthesis [The first issue of 1995 was devoted to this invited target article on a theory developed by Valerie Reyna and colleagues]. *Learning and Individual Differences, 7*(1), 1-75. doi:10.1016/1041-6080(95)90031-4
- Reyna, V. F. & Ellis, S. C. (1994). Fuzzy-trace theory and framing effects: Children's risky decision making. *Psychological Science, 5*(5), 275-279. doi: 10.1111/j.1467-9280.1994.tb00625.x
- Reyna, V. F., Nelson, W., Han, P., & Dieckmann, N. F. (2009). How numeracy influences risk comprehension and medical decision making. *Psychological Bulletin, 135*, 943-973. doi: 10.1037/a0017327

- Reyna, V. F. & Rivers, S. E. (2008). Current theories of risk and rational decision making. *Developmental Review* 28(1), 1-11. doi: 10.1016/j.dr.2008.01.002
- Rivers, S., Reyna, V. F. & Mills, B. A. (2008). Risk taking under the influence: A fuzzy-trace theory of emotion in adolescence. *Developmental Review*, 28(1), 107-144, doi: 10.1016/j.dr.2007.11.002
- Steinberg, L. (2008). A social neuroscience perspective on adolescent risk-taking, *Developmental Review*, 28(1), 78-106. doi: 10.1016/j.dr.2007.08.002

II

NEURAL MECHANISMS OF FRAMING EFFECTS: A TEST OF PREDICTIONS BY  
PROSPECT THEORY VERSUS FUZZY-TRACE THEORY

Neural mechanisms of framing effects: A test of predictions by prospect theory versus fuzzy-  
trace theory

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Although prior studies have described brain activation during risky choice framing effects, no study to date has used neural data to test competing theoretical explanations of framing. Using a cognitive manipulation of framing effects, we tested competing hypotheses of prospect theory versus fuzzy-trace theory. In previous behavioral studies using this manipulation, fuzzy-trace theory has outpredicted prospect theory; here, we tested whether the same cognitive manipulation could also distinguish between these theories at the level of the brain. During framing effects, we observed increased activation in the amygdala, dorsal striatum, inferior parietal lobule, and ventral prefrontal cortex. In a subset of these regions, including the caudate, angular gyrus, and supramarginal gyrus, activation mirrored the behavioral effect of our cognitive manipulation—increasing in the condition that enhanced framing effects, and decreasing in the condition that decreased framing effects. Psychophysiological interaction analyses revealed increased connectivity among the caudate and inferior parietal lobule, as well as between the inferior parietal lobule and inferior frontal gyrus, during framing effects. Our results support the prediction by fuzzy-trace theory that framing effects are driven by simplified numerical comparisons, rather than by precise valuation, and that this categorical numerical processing is subserved by a network of frontal, parietal and subcortical regions.

*Keywords:* fMRI, framing effects, fuzzy trace theory, prospect theory, risky decision making

Risky choice framing effects describe a reversal of risk preferences depending on whether equivalent options are described as gains or losses (Kahneman & Tversky, 1979). In risky choice framing effects, individuals tend to be risk-averse for gains but risk-seeking for losses of equal magnitude (Kahneman, 2003). This violates the axiom of descriptive invariance, which holds that, for a decision maker to be rational, his or her preferences must be consistent across different descriptions of otherwise identical options (Kahneman & Tversky, 1984). Therefore, framing effects have challenged cognitive theories to account for this seemingly irrational behavior, and the behavioral literature has used this paradigm as a critical test of theoretical predictions (e.g., Chick, Reyna & Corbin, 2016; Kahneman, 2003; Kühberger & Tanner, 2010; see review by Reyna, 2012).

Despite the importance of this paradigm in shaping economic and cognitive theories, only three studies have examined the brain regions active during risky choice framing effects (De Martino, Kumaran, Seymour & Dolan, 2006; Gonzalez, Dana, Koshino & Just, 2005; Roiser, de Martino, Tan et al., 2009). De Martino, Roiser and colleagues attributed framing effects to prospect theory, in conjunction with an affect heuristic. However, they did not conduct critical tests of each of these theories at the level of the brain. Therefore, neuroimaging results were interpreted in the framework of prospect theory, without directly testing whether prospect theory best accounted for the results. Prospect theory predicts that framing effects are driven by precise numerical cognition, such that the values of options are determined by an underlying psychophysical value function. An alternative explanation for framing effects comes from fuzzy-trace theory, which predicts that framing effects are driven by the bottom-line meaning of the options. In particular, the zero complement of the risky option is hypothesized to drive the categorical contrast between the sure and risky options.

A critical test of prospect theory versus fuzzy-trace theory, based on a cognitive manipulation, has been replicated in behavioral studies by Reyna and Brainerd (1991), Kühberger and Tanner (2010), Reyna, Chick, Corbin & Hsia (2014), and Chick et al. (2016). All of these studies have reported results consistent with the fuzzy-trace theory hypothesis, but not with the prospect theory hypothesis. However, to date, no study has examined the effect of this cognitive manipulation on the neural activation associated with framing decisions. In this study, we conducted this critical test of prospect theory and fuzzy trace theory with regard to the neural mechanisms of framing effects.

### **Risky Choice Framing Effects**

In risky choice framing effects, people show opposite preferences for risk depending on whether objectively equal options are described as gains or losses. The prototypical risky choice framing problem is the Asian disease problem (Tversky & Kahneman, 1981), in which decision makers are told that an unusual Asian disease is expected to arrive in the United States, and it is expected to kill 600 people. Participants are told that there are two proposed treatment programs, and they must select one. The outcomes of the treatment options are described either in terms of lives saved (gain frame) or in terms of lives lost (loss frame). For each decision, participants see only one version of the options (either gain or loss frame). Examples of these versions are as follows.

Gain frame:

If Program A is adopted, 200 people will be saved.

If Program B is adopted, there is a one-third probability that 600 people will be saved and a two-thirds probability that no people will be saved.

Loss frame:

If Program C is adopted, 400 people will die.

If Program D is adopted, there is a one-third probability that nobody will die and a two-thirds probability that 600 people will die.

In terms of expected value, all of the options are equal, both within and between frames.

Therefore, a rational actor who prefers either the sure option or the risky option in one frame should have the same preference in the other frame. Instead, most people prefer the sure option in the gain frame but the risky option in the loss frame, a bias is widely documented both within and between subjects (Kühberger, 1998).

Two dominant theoretical approaches have been proposed to account for risky choice framing effects (Kühberger & Tanner, 2010). We now describe each of these theories and their predictions about the mechanisms of framing effects.

### **Theoretical Explanations of Risky Choice Framing Effects**

**Prospect Theory: Psychophysical discounting of gains relative to losses.** According to prospect theory, preference reversals are driven by asymmetrical perception of gains relative to losses (such that gains are discounted relative to losses of the same magnitude), as well as nonlinear perception of numerical quantities such as magnitudes and probabilities (reflecting diminishing marginal returns; Tversky & Kahneman, 1981). For example, 200 lives saved is perceived as larger than a 1/3 chance of 600 lives saved (gain frame); alternatively, 400 lives lost is perceived as smaller (i.e., a larger loss) than a 2/3 chance of 600 lives lost (loss frame). The resulting inequality between the perceived quantity (i.e., subjective utility) of the sure option and the perceived quantity (i.e., subjective utility) of the risky option would produce a pattern of choices consistent with the standard framing effect (Kahneman, 2003). Thus, according to prospect theory, framing effects are caused by precise numerical comparisons reflecting

underlying value functions. These value functions reflect diminishing marginal returns, with separate discount rates for gains and losses.

Prospect theory treats affective dimensions such as valence in terms of their effect on psychophysical value functions. For example, gains are discounted relative to losses, so the valence of the stimulus influences its valuation. Although prospect theory can be incorporated into dual-process theories (e.g., the discounting of gains relative to losses may be stronger if system 1 thinking is not overruled by system 2; Kahneman, 2003), the theory itself does not make predictions about the effect of other dimensions of affect, such as arousal (i.e., “hot” motivational drive states; see Casey, Somerville, Gotlib et al., 2011). Therefore, although valence-based distinctions are central to prospect theory, prospect theory is primarily a cognitive model and therefore does not make direct predictions about affective drive states.

**Fuzzy Trace Theory: Cognitive representation.** Fuzzy trace theory assumes that cognition operates via two parallel processes: verbatim representations, which constitute precise, literal representations of information, and gist representations, which capture the bottom-line meaning of information (see reviews by Reyna & Brainerd, 1995, 2011; Setton, Wilhelms, Weldon, Chick & Reyna, 2014). Fuzzy-trace theory is distinct from other dual process theories in assuming that gist-based representations support advanced cognition. For example, gist-based thinking is characteristic of developmentally advanced groups, such as adults compared to adolescents and experts compared to novices (Reyna et al., 2014; Reyna, Estrada, De Marinis et al., 2011; Reyna & Mills, 2014; Setton et al., 2014). Adults display a preference for gist-based over verbatim-based mental representations, although both forms of processing occur in parallel (Reyna, 2012). Specifically, fuzzy-trace theory predicts that individuals base their decision on the lowest level gist representation sufficient to produce a decision.

This assumption generates predictions about the mechanisms of framing effects. In the gain frame, the bottom-line gist is a categorical distinction between saving some lives for sure and possibly saving some lives or no lives. Since most subjects prefer saving some over saving none, they tend to choose the sure option in the gain frame (i.e., the traditional framing effect). Analogously, in the loss frame, the preference is for possibly losing no lives (or some lives) over losing some lives for sure, leading most subjects to choose the risky option. Thus, according to fuzzy-trace theory, focusing on different elements of the problem leads to alternative mental representations of the problem information, which can lead to different preferences.

**Value-first versus comparison-based theories of decision making.** Vlaev, Chater, Stewart and Brown (2011) distinguish between value-first and comparison-based theories of decision making. According to value-first theories, such as prospect theory, decision makers determine the subjective value of each option, and select the option that has the highest value. The value of each option may be relative with respect to an external reference point (for example, in prospect theory, the value of each option represents the value of the *change* from that reference point to a novel state), but each option is valued independently of the other options (such that a given option should always have the same subjective value so long as the reference point is held constant, even if the other available options change). In other words, according to value-first theories, utility scales are stable. Vlaev et al. describe prospect theory, cumulative prospect theory, expected utility theory, and rank-dependent utility theory as value-first theories.

In contrast, according to comparison-based theories of decision making, only a relative value is computed for each option, representing how much that option is favored in comparison to the other option(s) (Ariely, Loewenstein & Prelec, 2003). Thus, in comparison-based theories, the value of a given option can vary dramatically based on the context of other available options.

Although value-first theories also assume that a comparison is made, such theories emphasize that the value of each option is determined prior to comparison, and that value is not affected by the comparison. Vlaev et al. describe fuzzy-trace theory, query theory, and fast-and-frugal heuristics as comparison-based theories. (However, note that fuzzy-trace theory assumes parallel verbatim and gist processes.)

Psychophysical, physiological, and neuroimaging literature all provide tests of value-first versus comparison-based theories of decision making (for a review, see Platt & Padoa-Schioppa, 2009). On the one hand, there is evidence that subjective values are represented via activation in the striatum and orbitofrontal cortex that is proportional to the objective magnitude of a reward, or that predicts the selection of that reward (Bartra, McGuire & Kable, 2013; Kable & Glimcher, 2007; Levy & Glimcher, 2012; but see Tobler, Fiorillo & Schultz, 2005). On the other hand, evidence from the fields of sensory perception and financial decision making (including the pain of paying, Vlaev, Seymour, Dolan & Chater, 2009) suggests that subjective value is context-dependent (see also Zaki, Schirmer & Mitchell, 2011). As Vlaev et al. (2011) describe, “the perceptual system might be like a pan balance, which responds by tipping left or right, depending on which of two items is heavier, but provides no read-out of the absolute weight of either item” (p. 551). Studies in humans and monkeys suggest that context-dependent values are represented by comparative coding in dopaminergic neurons in the striatum and orbitofrontal cortex (the same regions that have been hypothesized to code subjective value; Nieuwenhuis, Heslenfeld, von Geusau et al., 2005; Tobler, Fiorillo & Schultz, 2005; Tremblay, Cocker, Hosking et al., 2009).

The distinction between value-first and comparison-based models is relevant to the cognitive manipulation used in this study, because the two types of models make different

predictions about whether removing the zero risky complement will affect framing behavior. If, as predicted by value-first models, options are valued independently of one another and prior to comparison, then removing the zero risky complement should have no effect on framing behavior. This is because the value of the zero risky complement is zero. Similarly, according to value-first models, removing the nonzero risky complement, and presenting the zero risky complement, should not change framing behavior, because the value of the option should not change based on emphasizing certain aspects over others (recall that Chick et al., 2016, showed that subjects do not perceive partially specified options to be ambiguous). Note that this is the same prediction as is made by prospect theory, which is consistent with the description by Vlaev et al. (2011) of prospect theory as a value-first theory. In contrast, comparison-based models allow for inconsistent subjective valuation of the identical option, that is, non-static utility. Therefore, emphasizing certain aspects of the risky option over others (e.g., by presenting only one of the risky complements) changes the mental representation of that option, and of the comparison between the sure and risky options. As a result, the subjective value of the sure option is different depending on the version of the risky option to which it is compared; in other words, the value of the sure option is context-dependent. Therefore, like fuzzy-trace theory, the broader category of comparison-based theories predicts that truncating the risky option should change framing decisions by changing the relative value of each option.

### **Cognitive manipulation of the risky option**

The zero complement in the risky option (i.e., the outcome in which nothing is gained or lost, e.g., 2/3 chance none are saved) is the focus of our cognitive manipulation of framing effects. As described by Kühberger and Tanner (2010), fuzzy-trace theory and prospect theory make different predictions about the result of removing the zero risky complement. According

to fuzzy-trace theory, the zero risky complement creates framing effects by emphasizing the categorical contrast between the sure and risky options (e.g., gain frame: some saved versus possibility of none saved; loss frame: some lost versus possibility none lost). In contrast, prospect theory predicts that the zero risky complement is irrelevant to framing effects, since preferences are based on the values of the sure and risky options, and the zero complement adds zero to the value of the risky option.

When one complement of the risky option has been removed, we refer to the remaining partially specified option as truncated. Scholars (e.g., Mandel, 2014) have previously argued that decision makers may assume different values for the unstated risky complement, and that these alternative values may drive framing effects. Crucially, recent work showed that this type of linguistic ambiguity is not necessary to risky choice framing effects (Chick et al., 2016). Chick et al. argued that truncating the risky option draws attention to some aspects of the option as opposed to others (e.g., the possibility that everyone will survive, versus the possibility that everyone will die), thereby changing the categorical contrast between the sure and risky options. However, they showed that truncating the risky option does not mislead subjects about the value of the risky option.

### **Theoretical Predictions**

**Prospect theory.** According to prospect theory, the value of decision options is evaluated according to two functions: a value function that differentiates gains from losses, and a weighting function that reflects diminishing returns for large magnitudes of gains and losses (Fox & Poldrack, 2009). The value function describes the change in subjective utility per unit of gain or loss relative to a reference point (which is usually the status quo). The slope of the curve for losses is steeper than the curve for gains; that is, a loss of a given magnitude is felt more

strongly than a gain of the same magnitude. Prospect theory therefore predicts loss aversion.

The value function is curved in order to reflect diminishing marginal utility; that is, the subjective value of an additional unit of gain or loss is largest close to the reference point, and it decreases with increasing distance from the reference point. The weighting function describes how probability is incorporated into the subjective value of an option. Like the value function, the weighting function is curved in order to reflect decreasing sensitivity to changes in probability as probabilities approach 0 (impossibility) or 1 (certainty).

According to prospect theory, framing effects result from precise numerical representations of the options that are based on these underlying value and weighting functions. Therefore, what matters is the precise subjective value of an option (which is not necessarily equivalent to the mathematical value of that option). This assumption generates a prediction about framing behavior in response to truncated risky options (Kühberger & Tanner, 2010). When only the nonzero risky complement is presented, prospect theory predicts a typical framing effect, since removing the zero complement (the value of which is zero) does not change the expected value of the option. This prediction is inconsistent with behavioral findings reported previously (Chick et al., 2016; Kühberger et al., 2010; Reyna et al., 2014). However, given the abundant evidence from other tasks in support of prospect theory (see reviews by Fox & Poldrack, 2009; Kahneman, 2003), it is possible that brain activation during the framing task will show patterns consistent with prospect theory, even though behavior did not. Specifically, when only the nonzero risky complement is presented, prospect theory predicts that patterns of brain activation should be qualitatively similar (i.e., increased activation in the same regions) to activation in the typical version of the problem (i.e., when both risky complements are presented). This corresponds to the prediction that framing behavior should not differ when only the nonzero

risky complement is presented, compared to when both risky complements are presented.

***Previous neuroimaging research relevant to prospect theory.*** Neuroimaging studies have examined multiple aspects of prospect theory, including the value function and the weighting function. Regarding the value function, Tom, Fox, Trepel and Poldrack (2007) report neural evidence for loss aversion (i.e., consistent with a value function that is steeper for losses than for gains). Activations in the dorsal and ventral striatum, as well as the ventromedial prefrontal cortex, increased for gains and decreased for losses. Consistent with the value function assumed by prospect theory, the slope of deactivation for losses was steeper than the slope of increasing activation for gains of the same magnitude. In other words, activations in these regions were consistent with the asymmetrical processing of gains and losses, as assumed by the prospect theory value function. Additionally, Tom et al. (2007) report that individual differences in behavioral loss aversion covaried with deactivation in the ventral striatum, ventral prefrontal cortex, and inferior parietal cortex. A meta-analysis of reward processing reported that the striatum and anterior insula showed positive effects for rewards and negative effects for punishments, although the meta-analysis did not report differences in the slope of activation for gains versus losses (Bartra et al., 2013). Nonlinearity in reward processing has also been reported in studies using nonfinancial rewards. Liang, Zebrowitz and Zhang (2010) observed nonlinear correspondence between ratings of perceived facial attractiveness and activation in the anterior cingulate cortex, lateral orbitofrontal cortex, dorsal and ventral striatum, and amygdala. These regions showed increased activation for both the least attractive and the most attractive faces, relative to faces that were moderately attractive.

Regarding the weighting function, studies have reported nonlinear probability weighting for both losses and gains. Berns, Capra, Chappelow, Moore and Noussair (2007) report

activation in the anterior cingulate cortex, parietal cortex, and temporal cortex that is consistent with nonlinear probability weighting for aversive outcomes. Similarly, Hsu, Krajbich, Zhao and Camerer (2009) report nonlinear probability weighting as reflected in striatal activation in anticipation of rewards. Paulus and Frank (2006) reported nonlinear probability weighting, as reflected by risk seeking for low-probability outcomes and risk aversion for medium- or high-probability outcomes, in the anterior cingulate cortex. To summarize, there is evidence for a neural counterpart to the behavioral observations that support the existence of a value function and a weighting function, consistent with the assumptions of prospect theory.

However, there is also behavioral and neuroimaging evidence that contradicts assumptions of prospect theory (for a review of behavioral evidence against prospect theory, see Birnbaum, 2008). As described above, Vlaev et al. (2011) describe a body of research in fields ranging from sensory perception to economic decision-making that is consistent with comparison-based decision making. Such findings are inconsistent with prospect theory, which assumes that valuation depends on comparison to a reference point, but not to the other available options. Similarly, Rao, Zhou, Xu et al. (2011) tested the assumption that the magnitude of a reward can be traded off against the probability of that reward. They found that this type of compensatory model, in which the attractiveness of one attribute (e.g., a high-magnitude reward) can compensate for the unattractiveness of another attribute (e.g., a low probability of obtaining that reward), was insufficient to explain both behavior and activation in the dorsomedial prefrontal cortex. Consistent with this finding, Venkatraman, Payne, Bettman, Luce and Huettel (2009) administered mixed gambles (described in greater detail below) and found that compensatory decision making could not account for the observed pattern of decisions. Instead, subjects employed strategies such as maximizing the probability of winning any amount, rather than

maximizing the value won. As discussed by Venkatraman et al. (2009), the observed pattern of decisions was different from the pattern predicted by prospect theory. Similarly, using an investment task, Mohr, Biele, Krugel, Li and Heekeren (2010) report behavior and neural representations of perceived risk (in the anterior insula) and risk attitudes (in the lateral orbitofrontal cortex) that are inconsistent with predictions by prospect theory. Also using an investment task, Levy and Levy (2002a, 2002b) report behavioral evidence from mixed gambles that violates the prospect theory value function. Therefore, although there is much empirical support for prospect theory in some contexts, there are also limitations to the ability of prospect theory to account for behavior and patterns of brain activation.

**Fuzzy-trace theory.** Fuzzy-trace theory predicts that framing effects are driven by the categorical (i.e., some-none) contrast between the zero risky complement and the sure option. According to fuzzy-trace theory, therefore, removing the non-zero risky complement should increase framing effects by directing participants' attention to this categorical contrast. Likewise, according to fuzzy-trace theory, presenting only the nonzero risky complement should reduce framing effects relative to the typical version of the problem, since this condition draws attention away from the categorical contrast between the sure and risky options, requiring participants to focus on more fine-grained distinctions. Since calculation yields equal expected value, according to fuzzy-trace theory, participants should be indifferent between the sure and the risky option in this condition. These predictions have been validated in previous behavioral studies (see Chick et al., 2016; Kühberger & Tanner, 2010; Reyna et al., 2014); therefore, the remaining question is whether neural activation reflects this categorical manipulation and, if so, in which regions.

Fuzzy-trace theory makes three predictions about the patterns of neural activation in each

of the three truncation conditions. First, patterns of brain activation should be qualitatively similar (i.e., increased activation in the same regions) when both risky complements are presented and when only the zero risky complement is presented (recall that fuzzy-trace theory predicts framing effects in both of these conditions). Second, this shared pattern of activation should be more pronounced (i.e., the same regions should show larger increases in activation) when only the zero risky complement is presented than when both risky complements are presented (recall that fuzzy-trace theory predicts increased framing effects in the latter condition compared to the former). Third, the pattern of activation in conditions that produce behavioral framing effects (i.e., when both risky complements are presented and when only the zero risky complement is presented) should be qualitatively dissimilar (i.e., produce activations in different regions) from the pattern of activation in the condition that does not produce behavioral framing effects (i.e., when only the nonzero risky complement is presented). We next describe brain regions that are predicted to show activation in the conditions that produce behavioral framing effects, based on previous neuroimaging research using paradigms relevant to fuzzy-trace theory (i.e., gist-based processing).

***Previous neuroimaging research relevant to fuzzy-trace theory.*** According to fuzzy-trace theory, framing effects are caused by gist-based processing, which compares the bottom-line meaning of the options, as opposed to their exact numerical value. Four task paradigms that cue gist processing have been used in neuroimaging studies: false memory, strategic decision-making, gestalt perception, and numerosity judgments.

*False memory.* The constructs of gist and verbatim processing were developed in order to explain the results of research on false memory; verbatim memory traces were less likely to result in false memory, whereas gist memory traces were more likely to result in false memory.

Dennis, Bowman and Vandekar (2012) report increased activation in the superior parietal lobe, parahippocampal gyrus, and anterior cingulate cortex during retrieval of both true and false memories, which suggests that activation in these regions may be associated with gist processing.

*Strategic decision making.* Venkatraman et al. (2009) presented subjects with packages of mixed gambles (i.e., gambles that included a probability of winning some amount as well as a probability of losing some amount). Some gambles were neutral, meaning that no money would be won or lost if that outcome were selected. Before each trial, subjects could choose to either add some amount of money to the neutral option (thereby maximizing the probability of winning, or to add the same amount of money to the option with the largest loss (thereby minimizing the amount loss if that trial were selected) or to the option with the largest gain (thereby maximizing the amount won if that trial were selected). These options align approximately with gist and verbatim processing, respectively. That is, when subjects chose to maximize the probability of winning something (regardless of the amount), they were operating on the gist-based principle that it is better to win something than to win nothing (or to lose something). This principle is gist-based because it reflects sensitivity to categorical outcomes, winning something versus winning nothing, rather than to the exact values won or lost. In other words, the gist-based strategy is non-compensatory, because increasing the magnitude of the potential reward cannot compensate for decreasing the probability of winning. In contrast, the strategies that maximize the amount won or minimize the amount loss are consistent with verbatim-based processing, because they are sensitive to magnitudes rather than categorical outcomes. Subjects who chose these strategies were less concerned with ensuring a win outcome than with maximizing the numerical value of that win. In other words, subjects who preferred

this strategy were using a compensatory strategy of trading off risks against rewards (i.e., a larger reward could compensate for a smaller probability of obtaining that reward).

Each of these strategies was associated with distinct neural correlates. Activation in the lateral prefrontal and posterior parietal cortices predicted choices that maximized the chance of winning on a given trial (i.e., the gist-based, non-compensatory strategy). In contrast, activation in the right anterior insula was associated with choices that minimized the amount of a potential loss, and activation in the ventromedial prefrontal cortex was associated with choices that maximized the amount of a potential win. This is consistent with other research implicating the insula in loss aversion and the ventromedial prefrontal cortex in integrating the value of rewarding options (e.g., Tom et al., 2007). To summarize, Venkatraman et al. (2009) found that the strategy most closely aligned with gist processing was associated with increased activation in the lateral prefrontal and posterior parietal cortices, whereas the strategy most closely aligned with verbatim processing was associated with insula activation for losses and ventromedial prefrontal cortex activation for gains. We selected several of these regions, including the insular, parietal, and ventrolateral prefrontal cortices, as regions of interest in the current study, based on previous research described below.

*Gestalt perception and perceptual categorization.* The construct of gist-based processing is drawn in part from research on Gestalt perception, in which the perceived whole is greater than the sum of its parts (Reyna & Brainerd, 1995). In a recent study, Zaretskaya and Bartels (2015) studied the difference between local perception (i.e., a collection of dots) and Gestalt perception (i.e., the perception of two illusory squares arising from that the same set of dots). They found that beta band power in the posterior parietal cortex when perceptions were about to switch from local to global (i.e., Gestalt), and this change was maintained for the duration of the

Gestalt perception. This result replicates an earlier report from the same group, in which activation in the parietal cortex was also associated with conscious Gestalt perception (Zaretskaya, Anstis & Bartels, 2013; see also Britz, Landis & Michael, 2011). These results are also consistent with the finding reported by Venkatraman et al. (2009) that activation in the posterior parietal cortex is associated with gist-based processing. It is also consistent with research in nonhuman primates suggesting that individual parietal neurons fire in proportion to category membership of a stimulus (e.g., Freedman & Assad, 2006; see discussion by Ferrera & Grinband, 2006).

*Numerosity.* Numerosity describes the ability to make comparative judgments of relative magnitude (e.g., are there more blue squares or red squares?). In contrast to precise representations, judgments of numerosity only require categorical or cardinal ordering of relative magnitudes. This is relevant to the fuzzy-trace theory account of framing effects, because according to fuzzy-trace theory's fuzzy processing preference, decision makers will represent options in the least specific way possible that will still distinguish the options. Therefore, fuzzy-trace theory would predict some overlap between the neural substrates of numerosity judgments and the neural substrates of choosing between categorical contrasted options. There is considerable overlap in areas such as the intraparietal sulcus and the posterior parietal cortex between basic numerosity and economic decision making (Chick, 2014).

### **Other Regions hypothesized to be involved in framing effects**

Research on valence and risk processing, as well as previous studies of framing effects, have implicated the amygdala, insula, parietal lobe, ventrolateral prefrontal cortex, and ventromedial prefrontal cortex. We now briefly review this evidence in order to motivate the selection of these regions for region-of-interest analyses in this study.

### **Amygdala**

**Valence.** There is evidence of valence-specific amygdala activation in humans. In the gain domain, humans with amygdala damage (i.e., Urbach-Wiethe disease, a congenital progressive disease that results in complete amygdala degeneration) showed an impaired ability to reject disadvantageous risks for gains but not losses (Weller, Levin, Shiv & Bechara, 2007). In the loss domain, humans with amygdala damage showed reduced loss aversion, as evidenced by increased willingness to accept a gamble with the possibility of a high loss. De Martino et al. (2010) replicated this finding, reporting that two individuals with Urbach-Wiethe disease displayed reduced loss aversion in economic decision making tasks, despite intact sensitivity to risk and expected value. Evidence from lesion studies in rodents also implicates the amygdala in valence-dependent risk behavior. In a rodent version of the framing task, rats showed increased risk seeking for losses (defined as the omission of an expected gain) relative to gains. However, rats with lesions to the basolateral amygdala showed reduced risk seeking for losses; risk aversion for gains remained intact (Tremblay et al., 2014).

**Framing.** Consistent with the role of amygdala activation in valence-dependent risk processing, multiple studies have reported amygdala activation during risky choice framing effects. For example, De Martino et al. (2006) found increased group-level amygdala activation for framing-consistent decisions in both the gain frame and the loss frame. Roiser et al. (2009) replicated this finding and found that individuals homozygous for the long allele of a serotonin transporter polymorphism, which has previously been implicated in emotional reactivity, was associated with both increased susceptibility to framing effects and increased amygdala activation during framing-consistent decisions.

Despite the evidence implicating amygdala activation in framing effects, other studies on

risky choice framing effects have not observed amygdala activation. Gonzalez et al. (2005) reported no amygdala activation in a study of risky choice framing effects. Similarly, two individuals with Urbach-Wiethe disease showed intact framing effects (Talmi, Hurlmann, Patin & Dolan, 2010), suggesting that amygdala activation is not necessary to framing effects. However, given the progressive course of Urbach-Wiethe disease, this might reflect developmental compensation, as opposed to indicating that the amygdala is not necessary to framing effects.

***Saliency.*** Despite evidence implicating amygdala activation in valence-specific risk information, it is unclear whether the role of the amygdala is primarily to signal valence. Recent studies have challenged the assumption that amygdala activation signals threat processing, in favor of a more nuanced view of amygdala processing that involves detecting motivational salience (including, but not limited to, threat; see discussion by Cunningham & Brosch, 2012). For example, Balderston, Schultz and Helmstetter (2011) found amygdala activation in response to novel but not to familiar faces, even when these novel faces did not signal emotional content. Similarly, Ousdal, Reckless, Server, Andreassen and Jensen (2012) observed amygdala activation during trials on which performance was relevant to reward, suggesting a role for the amygdala in signaling motivational salience (see also Ousdal, Specht, Server et al., 2014, for evidence of amygdala integration of stimulus value and spatial location).

***Insula.*** Evidence implicates the insula in both risk aversion and loss aversion, particularly when both risks and losses are part of a decision. Activation in the anterior insula was shown to be associated with risky decision making in a meta-analysis (Mohr, Biele & Heekeren, 2010). The same meta-analysis found that the anterior insula was also one of few regions that was consistently active when only losses were possible, suggesting sensitivity to risky losses.

Similarly, Mohr, Biele, Krugel et al. (2010) found that perceived risk correlated with signal in the anterior insula. This is consistent with the finding by Venkatraman et al. (2009) that activation in the anterior insula predicted choices that minimized the magnitude of losses in a gambling task (i.e., aversion to risky losses). Weller, Levin, Shiv and Bechara (2009) found that patients with insula lesions were more risk-averse for gains, compared to healthy adults; therefore, insula activation is not limited to the loss frame.

**Parietal lobe.** In both primate and human studies, the parietal lobe has been implicated in an accumulator model of perceptual decision making, such that competing perceptual inputs accumulate until one reaches a perceptual decision threshold (Shadlen & Newsome, 2001; Usher & McClelland, 2001). The parietal cortex has also been implicated in perceptions of time, space, and numbers, leading Buetti and Walsh (2009) to propose that the parietal cortex represents generalized magnitudes that are relevant to action selection. Recent studies of economic decision making have suggested that the parietal lobe may play a similar role in comparing the value of decision options (e.g., Venkatraman et al., 2009; see discussion by Chick, 2014). As discussed above in the context of predictions by fuzzy-trace theory, activation in the intraparietal sulcus and posterior parietal lobe has been shown to support numerical approximation (e.g., numerosity judgments and ordinal comparisons of decision options), which is consistent with a gist-based cognitive representation of decision options. As a result, we predicted that activation in the parietal lobe would be sensitive to our cognitive manipulation.

**Inferior frontal gyrus.** Clarke, Horst and Roberts (2015) conducted a study in nonhuman primates using a task that approximates framing stimuli. They found that marmosets with lesions to the ventrolateral prefrontal cortex (VLPFC) avoided choosing rewards in locations that provided occasional punishments; in other words, VLPFC lesions increased loss aversion (an

alternative interpretation is that lesions increased risk aversion, since the occasional punishments could be interpreted as adding risk to the gains, as well as adding potential losses). Clarke et al. (2015) interpret this in terms of the effect on attention disengagement: “A failure to shift attention by either inadequate VLPFC recruitment or VLPFC inactivation disrupts the cost-benefit analysis by allowing the subject’s choice to be unduly influenced by the negative outcome.” Given evidence that the VLPFC is functionally connected to the amygdala (Cha, DeDora, Nedic et al., 2016; White, Britton, Sequeira et al., 2016), and that the amygdala has been associated with framing effects (De Martino et al., 2006; Roiser et al., 2009), we also hypothesized that activation in the inferior frontal gyrus (VLPFC) might be associated with framing effects.

## Methods

### Participants

Ninety-nine participants (69 female) completed the behavioral framing. They ranged in age from 18 to 41 years ( $M = 22.03$ ,  $SD=4.44$ ). Participants were 38.4% Caucasian, 34.2% Asian American (including 12.1% Chinese, 12.1% Korean, 4.0% Japanese, 1% Filipino, 1% Vietnamese, and 1% “other Asian”), 17.2% African-American, 4.0% Asian Indian, 1% Native American/American Indian, and 4% mixed ethnicity. 4% of participants identified as “other race/ethnicity.” 15.2% of participants identified as Hispanic, Latino, or Spanish (including 8.1% Mexican, Mexican American, or Chicano; 3% Puerto Rican; 3% Central or South American; and 1% Spanish). Ninety-seven of these 99 participants completed the individual difference scales.

Thirty-nine of these participants were recruited to complete the framing task inside the functional magnetic resonance imaging (fMRI) scanner. Seven were excluded from fMRI analyses for the following reasons: two were pilot subjects for whom we used a four-channel

head coil instead of the eight-channel head coil; one completed only half of the first set of framing problems and did not attempt the second set; and four were excluded on the basis of head motion greater than 3mm in any direction. Therefore, 32 participants (18 female) completed the framing task in the fMRI scanner and were included in the final fMRI analyses. They ranged in age from 18 to 35 years ( $M = 22.88$ ,  $SD=4.74$ ). Participants were 46.9% Caucasian, 40.7% Asian-American (including 21.9% Korean, 9.4% Filipino, and 9.4% Japanese), and 12.5% African-American. 12.5% identified as Hispanic, Latino, or Spanish (all of these were Mexican, Mexican-American, or Chicano).

Age was restricted to between 18 and 45 years; the upper age limit guarded against potential age-related differences in cognitive processing (Brainerd, Reyna, & Howe, 2009). fMRI participants were recruited from the Columbia University campus and surrounding region (New York, NY). Behavioral participants were recruited from the Cornell University campus and surrounding region (Ithaca, NY). The study was conducted with the approval of the Institutional Review Boards at both Cornell and Columbia Universities. All participants provided informed consent. Participants were compensated with a fixed monetary sum that did not depend on performance.

fMRI participants were screened to exclude left-handedness, psychiatric disorder, current use of psychoactive medications, prior head trauma with loss of consciousness, learning disability, current serious medical problems, premature birth, current pregnancy, or serious physical handicap preventing completion of study tasks. Safety exclusions included history of surgery involving metal implants, possible metal fragments in the eyes, braces, pacemaker, pregnancy, a history of claustrophobia, or weight over 220 lbs.

## **Procedure**

After providing informed consent, all participants received disambiguation instructions to ensure that they did not make assumptions that might alter the numerical value of truncated risky options (see Chick et al., 2016, for instructions and questionnaires; results reported by Chick et al. showed that framing and truncation effects remained significant following disambiguation). After completing a questionnaire to ensure comprehension of these disambiguation instructions, participants completed a set of risky choice framing problems either on a computer screen or in an fMRI scanner. Participants completed demographic and individual difference scales that were presented on computers in the laboratory or via secure internet. fMRI participants completed a subset of the individual differences scales (specified below). Participants also completed an emotional go/no-go task. Due to time constraints, fMRI participants completed the emotional go/no-go task on their home computers or in the laboratory; behavioral participants completed the task in the laboratory.

## **Materials**

**Framing problems.** The framing paradigm was a 2 X 2 X 3 X 5 within-subjects design with frame (gain, loss), content (lives, money), truncation (zero complement, both complements, non-zero complement), and replication (1-5) as factors. Accordingly, in each problem, either lives or money were at stake, the sure and risky options were described as either gains or losses, and the risky option was truncated in one of three ways (described below). Using different preambles, each type of problem from this factorial design was presented five times, for a total of 60 problems per subject. In all problems, the expected values of the sure and risky options were equal.

*Truncation.* Keeping the sure option constant, the risky option was manipulated to present only the zero-complement, only the non-zero complement, or both complements (Chick et al.,

2016; Reyna et al., 2014). In the typical version of a framing problem, such as the Asian disease problem, participants choose between saving 200 people versus a 1/3 chance of saving 600 and a 2/3 chance of saving no one; that is, both complements of the risky option are presented (e.g., 1/3 chance of saving 600, 2/3 chance of saving no one). The zero complement is the outcome in which no one is saved (gain frame) or dies (loss frame) when lives are at stake. Similarly, when money is at stake, the zero complement is the one in which no money is won (gain frame) or no money is lost (loss frame). In the above example, the zero complement is the 2/3 chance of saving no one. The non-zero complement is the one in which some number of lives are saved (gain frame) or die (loss frame) when lives are at stake. Similarly, when money is at stake, the non-zero complement is the one in which some amount of money is won (gain frame) or lost (loss frame). In the above example, the non-zero complement is the 1/3 chance of saving 600. See Table 1 and Table 2 for examples of each truncation in the gain and loss frames, respectively.

*Problem sets.* Twenty problems, modeled after the Asian Disease Problem (Tversky & Kahneman, 1981; see also Chick et al., 2016, and Reyna et al., 2014), were used. In half of the problems, lives or other valued outcomes were at stake, and in the other half, money was at stake. For each problem, six versions of the sure and risky options were created, reflecting a factorial crossing of frame (gain, loss) with truncation (zero complement presented, both complements presented, non-zero complement presented). For a given problem, the expected outcomes of sure and gamble options were mathematically equivalent across frames and truncations. The resulting 120 framing problems were divided into two sets of 60 problems each, so that the gain and loss versions of the options for each problem appeared in different stimulus sets. Each subject received problems from only one of the two stimulus sets, so that

none received both the gain and loss versions of the same problem. Stimuli from each set were presented in a fixed pseudorandom order, such that the same problem could not appear twice in a row.

Thus, each subject completed a total of 60 problems: 30 problems in the loss frame and 30 problems in the gain frame. Subjects completed 20 of the 60 problems in each of three truncations of the risky option (*i.e.*, zero complement presented, non-zero complement presented, or both complements presented). These 60 problems were divided into two pseudorandomized and counterbalanced runs of 11 minutes and 20 seconds each. See *Figure 1* for a schematic of the repeated measures factorial design.

*Trial sequence.* We selected the timing of scenarios and decision screens based on repeated piloting. We also obtained feedback from participants. During piloting, we ensured that participants were able to read the scenarios and respond within the allotted time.

Each trial included presentation of a fixation cross (4.5 s), followed by the problem (7 s), presentation of the sure and risky options (up to 8 s, during which participants entered their selection via button press), and a confidence rating for their choice (“How confident are you in your decision?” with response from 1 [not at all] to 5 [completely], up to 3 s). The decision phase (sure vs. risky option) lasted only until a response was entered, at which point the next screen (confidence rating) appeared. Similarly, the confidence phase lasted only until the participant entered a rating, at which point the next screen appeared. The other phases (fixation cross and problem) did not vary in duration. See *Figure 2* for a schematic of the trial sequence.

For behavioral participants, framing stimuli were presented on a computer screen using PsychoPy (Peirce, 2007), and participants responded using a mouse click. Timing parameters were identical in the behavioral version and the fMRI version of the task. For fMRI participants,

stimuli were delivered using the Presentation software (Neurobehavioral Systems Inc., Albany, CA, 2010; www.neurobs.com). fMRI participants viewed the stimuli via a projector and a mirror attached to their head coil, and they indicated their responses using a five-button MRI-compatible keypad operated with their right hand.

### **Image Acquisition**

Imaging was conducted using a 1.5 Tesla General Electric Signa MRI scanner (GE Healthcare, Waukesha, Wisconsin) equipped with an 8-channel head coil (High-Resolution Head Coil, Rev. 4; Invivo, Gainesville, FL). Whole-brain blood oxygen-dependent (BOLD) functional images were acquired using a T2\*-weighted, bottom-up, interleaved sequence. The parameters were as follows: repetition time (TR) = 2000 ms; echo time (TE) = 35 ms; flip angle = 84 degrees; field of view (FOV) = 22.4 cm; matrix size = 64 x 64. There were 340 volumes acquired during each of the two runs. Each volume contained 27 slices and had a slice thickness of 4 mm (gap = 0 mm) and an in-plane resolution of  $3.5 \times 3.5$  mm. Structural images were acquired with a T1-weighted spoiled gradient recalled (SPGR) sequence (TR = 19 ms, TE = 5 ms, flip angle = 20, FOV = 25.6 cm) recording 180 slices with a slice thickness of 1 mm and an in-plane resolution of 1x1 mm.

### **Behavioral Data Analysis**

**Framing index.** A measure of each individual's propensity to show standard framing (framing index, FI) was calculated as the mean number of risky choices in the loss frame minus the mean number of risky choices in the gain frame. The higher the framing index, the larger the proportion of choices that were consistent with the standard framing effect, which is to choose the gamble option in the loss frame but to choose the sure option in the gain frame.

A separate framing index was calculated for each truncation condition. For example, each subject answered 20 questions in the zero-complement-presented condition: ten in the gain frame and ten in the loss frame. The number of risky choices in the loss frame was summed and then divided by 10. Then, the number of risky choices in the gain frame was summed and divided by 10. The average number from the gain frame was subtracted from the average in the loss frame. This yielded a possible range of -1 (reverse framing for all 20 questions: 0 risky choices in loss frame and 10 risky choices in gain frame) to +1 (standard framing for all 20 questions: 10 risky choices in loss frame and 0 risky choices in gain frame). In addition, a total framing index was calculated as the average of the three truncation-specific framing indexes. The possible range for total framing index was -1 (reverse framing for all 60 questions) to +1 (standard framing for all 60 questions).

**Signed confidence.** In the signed confidence measure, each decision is weighted according to the confidence rating for that decision (Reyna et al., 2014). Signed confidence was calculated by multiplying the confidence rating (1-5) for each decision by -1 if the sure option was selected or by +1 if the risky option was selected. Compared to decision, signed confidence is a more sensitive measure of framing behavior because it allows participants to indicate how strongly they endorse the option they chose, given that each problem requires a forced binary choice (Chick et al., in press; Mandel, 2014; Reyna et al., 2014).

**Signed confidence framing index.** Signed confidence framing index (SCFI) is a composite measure of framing behavior over all trials, taking into account both choice and confidence rating. The higher the signed confidence framing index, the larger the proportion of choices that were consistent with the standard framing effect—and the higher the confidence in

those choices. Large positive values indicate highly confident standard framing, whereas large negative values indicate highly confident reverse framing.

To compute SCFI, signed confidence scores were averaged within each frame, and the average in the gain frame was subtracted from the average in the loss frame. Within each truncation, this yielded a score ranging from -10 (strongest preference for reverse framing for all 20 problems, i.e., 0 risky choices in loss frame, 10 risky choices in gain frame, and confidence = 5 for all problems) to +10 (strongest preference for standard framing for all 20 problems, i.e., 10 risky choices in loss frame, 0 risky choices in gain frame, and confidence = 5 for all problems). In addition, a total SCFI was calculated as the average of the three truncation-specific SCFIs. The possible range for total SCFI was -10 (maximum confidence in reverse framing for all 60 questions) to +10 (maximum confidence in standard framing for all 60 questions).

### **fMRI Data Analysis**

**Preprocessing.** Images were analyzed using SPM8 (Wellcome Department of Imaging Neuroscience, London, UK, 2009; [www.fil.ion.ucl.ac.uk/spm](http://www.fil.ion.ucl.ac.uk/spm)) implemented in MATLAB R2012b (MathWorks, Natick, Massachusetts, USA; Ged Ridgway, [http://www.cs.ucl.ac.uk/staff/g.ridgway/vbm/get\\_totals.m](http://www.cs.ucl.ac.uk/staff/g.ridgway/vbm/get_totals.m)). The first four acquisitions were discarded to allow for T1-equilibration effects. Preprocessing in SPM8 began with slice-timing correction to adjust for differences in timing of the interleaved slice acquisition. Images were then realigned to correct for head movement. The SPGR image from each subject was coregistered to the group mean functional image output from spatial realignment. Realigned images were then normalized to the EPI Montreal Neurological Institute (MNI) template. Smoothing was applied to the normalized images with an 8mm full-width half-maximum (FWHM) Gaussian kernel. Images were also individually screened for scan stability (< 3mm

head movement) and imaging artifacts. In order to increase the accuracy of spatial normalization and reduce multiple comparisons from voxels outside of gray matter, skull stripping was performed in AFNI (Cox, 1996, 2011).

**Whole-brain contrasts.** BOLD signal during the framing task was analyzed as an event-related design. At the individual level, statistical regressors were constructed for each decision in each frame: *Gain(gamble)*, *Gain(sure)*, *Loss(gamble)*, *Loss(sure)*. This was done separately within each truncation condition (zero complement presented, non-zero complement presented, both complements presented), for a total of 12 statistical regressors of interest per participant. (fMRI analyses collapsed across the lives/money factor, since this factor showed no effect in behavioral analyses). See *Figure 3* for a schematic of regressors in the first-level analysis. Six motion correction regressors were added to the model as regressors of noninterest. For each regressor of interest, events were modeled using a canonical hemodynamic response function convolved with a stick function at the presentation of each decision. For each trial, only the decision phase was modeled for this report. The decision phase began with the onset of the options screen and ended when the subject entered a response via button press (lasting up to 8 s). Trials in which participants entered no response were excluded. The last 500 ms of each response phase were excluded from analysis to reduce motion artifacts. Thus, the modeled portion of each decision phase lasted up to 7.5 s. Scanner drift and other low-frequency noise were removed from the image time series using a 128 s high-pass filter. Parameter estimates from each regressor were used to calculate individual-level contrasts.

Contrast images from each participant were used for the group-level random-effects analysis, with statistical maps calculated for each contrast using a one-sample *t*-test or an *F*-test when appropriate. Standard framing was defined as  $(Gain_{\text{sure}} + Loss_{\text{gamble}}) - (Loss_{\text{sure}} +$

$Gain_{\text{gamble}}$ ) and was examined within each truncation condition (zero complement presented, non-zero complement presented, both complements presented), as well as across truncations. We also examined the reverse interaction, which reflected resistance to framing bias, or reverse framing (De Martino et al., 2006). Statistical significance was initially established at a threshold of  $p < .001$ , uncorrected, with a minimum cluster size ( $k$ ) of five contiguous voxels. Region-of-interest analyses were then thresholded at  $p < .05$ , correcting for familywise error rate at the cluster level. All coordinates are reported in MNI space.

The primary analysis identified activation in conditions that produced significant behavioral framing effects at the group level. Therefore, only the eight frame\*decision conditions in two truncation conditions (zero complement presented, both complements presented) were included in this analysis. All four conditions in which the non-zero complement was presented were excluded (i.e., assigned a contrast weight of 0) because they produced no significant behavioral framing effects at the group level. However, follow-up analyses included these other conditions in order to fully characterize framing-related activation.

**Region-of-interest (ROI) analyses.** Regions of interest were defined *a priori* based on published literature, and analyses were constrained to these regions. There is a strong precedent among recent cognitive fMRI studies for constraining analyses to pre-defined regions of interest (Batterink, Yokum & Stice, 2010; Brahmabatt, McAuley & Barch, 2008; Chung, Paulsen, Geier, Luna & Clark, 2015; Frank, Gagne, Nyhus, Masters, Wiecki et al., 2015; Locke & Braver, 2008; Paulsen, Hallquist, Geier & Luna, 2014; Padmanabhan, Geier, Ordaz, Teslovich & Luna, 2011; Strang & Pollack, 2014). Poldrack (2007) discusses three reasons to use region-of-interest analyses: exploration, statistical control, and functional specification. We conducted ROI analyses for the latter two reasons.

Regarding statistical control, testing for activation in a smaller number of voxels reduces the number of statistical tests, thereby reducing the need to correct for multiple comparisons. Such corrections are often overly conservative, increasing the risk of Type I error (Woo, Krishnan & Wager, 2014). Poldrack notes that small volume correction as implemented in SPM helps to avoid problems with signal specification (i.e., focused versus diffuse) that are present with other methods of ROI analysis. Therefore, we conducted ROI analyses using small volume correction in SPM.

Poldrack (2007) also notes that ROIs based on probabilistic atlases or meta-analyses are less sensitive to noise than are ROIs based on single-subject anatomical atlases (such as AAL or Talairach) or ROIs based on the result of a single previous study. We therefore used probabilistic atlases to define our ROIs. Anatomical regions of interest were defined using the Harvard-Oxford Anatomical Atlas (Harvard Center for Morphometric Analysis) in FSL (<http://www.fmrib.ox.ac.uk/fsl/fslview/atlas-descriptions.html>). Regions not present in the Harvard-Oxford Atlas were defined by the Julich histological atlas in the Anatomy Toolbox, version 1.5, in SPM (Eickhoff, Paus, Caspers et al., 2007). Table 3 indicates the source of each ROI. Activations that survived a FWE-corrected threshold of  $p < .05$  at the cluster level are reported.

**Multilevel mixed models.** After identifying regions that were active during framing behavior, we performed planned comparisons in order to identify the effect of truncation manipulation on framing-related activation. For each cluster surviving FWE correction in ROI analyses, a first-level contrast estimate (beta weight) for the peak voxel (radius=1mm) was calculated for each participant in each of the twelve conditions (e.g., zero complement-loss-risky > baseline). The twelve conditions represent all possible combinations of frame (gain, loss),

truncation (zero complement presented, non-zero complement presented, both complements presented), and decision (sure, risky). Contrast estimates were extracted using the rfxplot toolbox for SPM (Glascher, 2009; <http://rfxplot.sourceforge.net>).

For each peak, the twelve first-level contrast estimates from each subject were used as the dependent variable in a multilevel mixed model. In order to account for repeated measurements within subject, we implemented the mixed model using a generalized linear mixed model (Baayen, Davidson, & Bates, 2008) in SPSS 22. Fixed variables in each model were frame, truncation, and decision; subject was included as a random variable.

It was not possible to define a first-level contrast estimate for every participant in each of the 12 conditions; this is because some conditions heavily biased responses, as predicted by fuzzy trace theory. For example, when only the zero complement was presented in the gain frame, some participants chose the sure option in all 10 replications; as a result, it was not possible to estimate a contrast weight for those participants in the equivalent condition defined by risky decisions. Therefore, in each condition, only subjects who contributed at least one observation were included. Table 4 indicates the cell size for each of the twelve conditions (i.e., the number of participants for whom contrast estimates were included). The mixed effects regression allowed us to exclude missing contrast estimates for some participants in some conditions, without excluding entire participants on the basis of incomplete data (see also Chick et al., 2016).

To identify brain regions in which the truncation manipulation modulated framing-consistent activation, we focused on the peaks that showed a significant three-way interaction among frame, decision, and truncation. Since the peaks were identified in a framing-consistent contrast, this guaranteed that the Frame x Decision interaction would be significant in each of

these analyses. However, the result of interest was the three-way interaction, for two reasons. First, we wanted to test whether the framing-consistent activation was driven by one of the two truncation conditions in which participants showed behavioral framing effects. Second, we wanted to test whether activation in these regions also showed a framing-consistent pattern in the condition (non-zero complement presented) that did not produce behavioral framing effects.

Regarding the first reason, note that fuzzy-trace theory predicts that framing effects are driven by the zero risky complement. Therefore, this comparison is a test of fuzzy-trace theory, which predicts that activation to framing-consistent decisions should be stronger when only the zero risky complement is presented than when both risky complements are presented.

Regarding the second reason, note that this comparison is a test of prospect theory, which predicts that framing behavior (and, thus, framing-related brain activation) should not change when the zero risky complement is removed (i.e., framing effects should be the same when only the nonzero risky complement is presented as when both risky complements are presented). Thus, planned comparisons identified brain regions in which the magnitude of activation mirrored the modulation of behavioral framing effects by truncation.

**Psychophysiological interaction (PPI) analyses.** In order to ascertain whether each region identified in the whole-brain contrasts belonged to an independent network, or whether there was overlap among these networks, we conducted a psychophysiological interaction (PPI) analysis. PPI measures a hybrid of functional and effective connectivity between brain regions (Friston, 1995; Friston et al., 1997). The results of a PPI analysis indicate voxels whose statistical dependence on a seed region, measured as the regression strength of a Condition x BOLD interaction term, increases in one psychological condition compared to another (O'Reilly, Woolrich, Behrens, Smith & Johansen-Berg, 2012). It can be inferred from the results of this

analysis that more information is exchanged between these regions in the first condition as opposed to the second.

Regions demonstrating three-way interactions between frame, decision, and truncation were selected as seeds for the PPI analysis. In SPM, a voxel of interest (VOI) sphere of radius 1 mm, centered at the seed voxel, was defined for each subject. The physiological variable was defined for each subject by extracting the time course of activation from each sphere. (The time course is a vector consisting of a single value—the mean activity in the sphere—for each time point.) The psychological variable was defined by specifying a contrast weight (1, -1, or 0) for each time point, based on which of the 12 conditions was presented at each time point. Conditions corresponding to standard framing effects were weighted 1, conditions representing reverse framing effects were weighted -1, and conditions irrelevant to the contrast were weighted as zero. All four conditions in which the non-zero complement was presented were excluded from the PPI analysis (i.e., assigned a contrast weight of 0) because they produced no significant behavioral framing effects at the group level. Therefore, only the eight frame\*decision conditions in the remaining truncation conditions (zero complement presented, and both complements presented) were included in the PPI analysis. For each participant, conditions for which no responses were given were excluded from the analysis. For example, some participants never chose the risky option in gain problems when only the zero complement was presented; therefore, for those participants' psychological vector, zero complement-gain-risky was assigned a contrast weight of 0 instead of 1.

As is standard in SPM, the neural signal was deconvolved prior to forming the interaction term as the product of the physiological and psychological vectors. The signal for the interaction term was then reconvolved prior to running the regression model (Gitelman, Penny, Ashburner

& Friston, 2003; O'Reilly et al., 2012). The general linear model consisted of three regressors: the physiological variable (the time course of activation in the VOI), the psychological variable (the contrast between the two conditions of interest, e.g., framing - no framing), and the interaction term (the psychophysiological interaction, i.e., the product of the time course of activation in the VOI and the time course of the contrast weights). This regression was estimated at the first level for each subject and then at the second level for the group data. Only the interaction term was of interest, as this identified voxels for which the relationship with the seed voxel changed in framing as compared to no framing. Results are reported at  $p < .05$ , corrected for FWE at the cluster level.

Regions with a significant PPI interaction term demonstrate context-dependent coupling with the seed region (O'Reilly et al., 2012); however, this does not indicate whether the coupling results from co-activation (a positive correlation) or activation-deactivation (a negative correlation) in each context (Chen, Walsh, Liberzon & Taylor, 2010; Etkin, Egner, Peraza, Kandel & Hirsch, 2006). In other words, a significant result indicates that the correlation between each region's time course and that of the seed changes in one condition (i.e., framing) compared to another (i.e., no framing), but the direction of the correlation remains unspecified. In order to identify the direction of the correlation between each result and the seed, we performed additional PPI analyses in each condition separately (i.e., Framing  $> 0$  and No Framing  $> 0$ ; Chen et al., 2010; Etkin et al., 2006). This step is analogous to a planned comparison test. Each seed, and each result from the initial PPI analysis, served as the seed of two new PPI analyses (Framing  $> 0$  and No Framing  $> 0$ ). Contrast estimates (beta weights) from these single-condition analyses were plotted, pairing seed with result, in order to assess

whether the correlation between the seed and each result was positive or negative in each condition (Chen et al., 2010).

**Thresholding.** As recommended by Woo et al. (2014), we set a primary threshold of  $p < .001$  (with a cluster-level extent threshold,  $k$ , of five contiguous voxels), followed by correction for multiple comparisons using a familywise error rate (FWE) of  $p < .05$ . As defined by Nichols and Hayasaka (2003), under a null hypothesis of no activation in any voxels, the familywise error rate is the probability of incorrectly rejecting the null hypothesis for at least one voxel; in other words, the probability of a Type 1 error (i.e., false positive) for one or more voxels. For general linear model analyses, we report two corrected p-values, corresponding to FWE corrections at the peak level and the cluster level, respectively. These reflect different correction methods. At the peak level, FWE correction is performed by comparing the magnitude of activation in the peak voxel within a cluster (i.e., the voxel with the largest t-value, or maximum statistic) against the distribution of that maximum statistic under the null hypothesis of no activation (Nichols & Hayasaka, 2003). Corrections at the peak level are thereby made on a single voxel, accounting for the number of voxels searched in the entire brain. As a result, they do not account for cluster size.

In contrast, FWE correction at the cluster level is achieved by comparing the size of the observed cluster (i.e., the number of contiguous voxels that survived a primary uncorrected threshold) to the probability that, among voxels that passed the primary threshold, a cluster of the same size would pass that primary significance threshold by chance alone. In other words, “The cluster-level p-value does not determine the statistical significance of activation at a specific location or voxel(s) within the cluster. Rather, it describes the probability of obtaining a cluster of a given size or greater under the null hypothesis,” where the null hypothesis is that no voxel in

the cluster is active (Woo et al., 2014, p. 413). Therefore, significance following correction at the cluster level does not guarantee that every voxel within the cluster survives peak-level correction. Due to the different methods of correcting for FWE at the peak versus the cluster level, it is not assumed that activations surviving correction at the peak level will necessarily also survive correction at the cluster level, or vice-versa. Furthermore, whether one form of correction is more conservative than the other depends on both the size of the cluster and the magnitude of activation in the peak voxel (i.e., the maximum statistic). For completeness, we report both peak-level and cluster-level corrected  $p$ -values for general linear model results.

## Results

### Summary Statistics

For the full behavioral sample ( $N = 99$ ), summary statistics for framing variables are presented in Table 5. For the subsample of participants who completed a framing task inside an fMRI scanner ( $N = 32$ ), summary statistics for framing variables are presented in Table 6.

### Framing Task

In order to account for repeated measurements within subject, we used a generalized estimating equation for decision and a mixed model for signed confidence (Baayen, Davidson & Bates, 2008). These mixed effects regressions allowed us to exclude individual missing responses without excluding entire subjects on the basis of incomplete data. Each model had two levels: Participant and Order (i.e., sequence of repeated decisions, 1-60, which provided the residuals). Fixed effects tested in each model were Frame, Truncation, Lives versus Money, Order (i.e., sequential decision, 1-60), Age, and Gender; Participant was included as a random variable. The following fixed effect interaction terms were tested in each initial model: Order x Frame, Age Group x Frame, Gender x Frame, and Order x Frame x Truncation. Nonsignificant

terms were removed, with the exception that we controlled for Age, Gender, and Order in all analyses.

**Decision.** Recall that decision was scored as 0 (sure option) or 1 (risky option). The *N*s reported for chi-square analyses refer to the number of observations (60 decisions per subject, with occasional missing responses).

**Full behavioral sample.** In the full sample ( $N = 99$ ), we observed a significant main effect of frame, chi square ( $N = 99$ ) = 53.934,  $p < .001$ . The direction of the effect was consistent with standard framing: Participants took more risks in the loss frame ( $M = .570$ ,  $SE = .68$ ) than in the gain frame ( $M = .33$ ,  $SE = .599$ ). However, this main effect was modified by a significant interaction with truncation, chi square ( $N = 99$ ) = 44.858,  $p < .001$ , indicating that the size of the framing effect depended on which risky complement was presented. The framing effect (i.e., gain-loss difference in risk taking) was largest when only the zero risky complement was presented (loss,  $M = .670$ ,  $SE = .600$ ; gain,  $M = .240$ ,  $SE = .489$ ; mean difference = .440,  $SE = .115$ ,  $p < .001$ ). The framing effect was significant but moderate when both risky complements were presented (i.e., in the typical version of the task; loss,  $M = .570$ ,  $SE = .669$ ; gain,  $M = .570$ ,  $SE = .669$ ; mean difference = .23,  $SE = .061$ ,  $p < .001$ ). No significant framing effect was observed when only the non-zero risky complement was presented (loss,  $M = .470$ ,  $SE = .683$ ; gain, .420,  $SE = .662$ ; mean difference = .050,  $SE = .039$ ,  $p = .165$ ). We also observed a significant main effect of lives versus money, chi square ( $N = 99$ ) = 4.010,  $p = .045$ . Participants took more risks with money ( $M = 0.480$ ,  $SE = 0.679$ ) than with lives ( $M = 0.420$ ,  $SE = 0.664$ ). Main effects of participant age, participant gender, and order were not significant, nor was the interaction between lives and money (all  $p > .1$ ). All effects remained significant when age and gender were removed from the model.

**fMRI subsample.** In the subsample who completed the framing task inside the fMRI scanner, we observed the same effects as in the full sample. A significant main effect of Frame, chi square ( $N = 32$ ) = 20.001,  $p < .001$ , revealed that participants took more risks in the loss frame ( $M = .610$ ,  $SE = .932$ ) than in the gain frame ( $M = .300$ ,  $SE = .831$ ). The effect of frame depended on the truncation of the risky option, chi square ( $N = 32$ ) = 17.383,  $p < .001$ . The framing effect was largest when only the zero risky complement was presented (loss,  $M = .740$ ,  $SE = .745$ ; gain,  $M = .200$ ,  $SE = .623$ ; mean difference = .550,  $SE = .130$ ,  $p < .001$ ), moderate when both risky complements were presented (loss,  $M = .590$ ,  $SE = .949$ ; gain,  $M = .310$ ,  $SE = .844$ ; mean difference = .270,  $SE = .116$ ,  $p = .018$ ), and smallest (as well as non significant) when only the non-zero risky complement was presented (loss,  $M = .470$ ,  $SE = .980$ ; gain,  $M = .430$ ,  $SE = .955$ ; mean difference = .05,  $SE = .069$ ;  $p = .510$ ). Main effects of Truncation, Lives versus Money, Order, Age, and Gender were not significant (all  $p > .1$ ).

**Signed confidence.** Recall that larger negative numbers indicate more confidence in sure decisions, whereas larger positive numbers indicate more confidence in risky decisions. Degrees of freedom in the mixed model reflect the number of observations (60 problems for each participant, with occasional missing responses).

**Full behavioral sample.** In the full behavioral sample ( $N = 99$ ), we observed a significant main effect of frame,  $F(1, 5208.221) = 157.464$ ,  $p < .001$ . The direction of the effect was consistent with standard framing: Participants took more risks, with higher confidence, in the loss frame ( $M = .660$ ,  $SE = .219$ ) than in the gain frame ( $M = -1.204$ ,  $SE = .218$ ). This main effect was modified by a significant interaction with truncation,  $F(2, 5249.596) = 79.109$ ,  $p < .001$ , indicating that the size of the signed confidence framing effect depended on which risky complement was presented. Gain-loss differences in confident risk taking were largest when

only the zero risky complement was presented (loss,  $M = 1.431$ ,  $SE = .239$ ; gain,  $M = -1.950$ ,  $SE = .237$ ; mean difference = 3.381,  $SE = .166$ ,  $p < .001$ ), moderate when both risky complements were presented (i.e., in the typical version of the task; loss,  $M = 0.706$ ,  $SE = 0.239$ ; gain,  $M = -1.072$ ,  $SE = 0.239$ ; mean difference = 1.778,  $SE = 0.170$ ,  $p < .001$ ), and smallest when only the non-zero risky complement was presented (loss,  $M = -0.159$ ,  $SE = .245$ ; gain,  $M = -0.590$ ,  $SE = 0.237$ ; mean difference = 0.432,  $SE = 0.176$ ,  $p = .014$ ).

A significant main effect of lives versus money,  $F(1, 5224.954) = 29.536$ ,  $p < .001$ , as well as significant interactions between frame and gender,  $F(1, 5132.675) = 4.419$ ,  $p = .036$ , and frame and order,  $F(1, 5247.492) = 15.559$ ,  $p < .001$ , were modified by a significant three-way interaction between frame, gender, and lives versus money,  $F(2, 5125.816) = 3.061$ ,  $p = .027$ . Both men and women took more risks for money than for lives in both the gain and the loss frame (all  $p \leq .037$ ), except that women's level of risk taking in the gain frame did not increase for money compared to lives ( $p = .276$ ). Main effects of truncation, order, and participant gender were not significant (all  $p > .2$ ).

*fMRI subsample.* In the sample of participants who completed the framing task inside the fMRI scanner ( $n = 32$ ), we observed all of the same significant effects as in the full sample, with the exception that the interaction between frame and lives versus money was not significant in the smaller sample ( $p = .759$ ). Additionally, in the smaller sample ( $n = 32$ ), we observed a significant main effect of age,  $F(1, 29.016) = 4.245$ ,  $p = .048$ . Risk taking, and confidence in those risks, increased slightly with increasing age,  $B = 0.121$ ,  $SE = 0.059$ ,  $t(1, 29.016) = 2.060$ ,  $p = .048$ .

We observed a significant main effect of frame,  $F(1, 1792.825) = 238.365$ ,  $p < .001$ . The direction of the effect was consistent with standard framing: Participants took more risks, with

higher confidence, in the loss frame ( $M = 0.824$ ,  $SE = 0.282$ ) than in the gain frame ( $M = -1.540$ ,  $SE = 0.282$ ). This main effect was modified by a significant interaction with truncation,  $F(2, 1815.640) = 56.253$ ,  $p < .001$ , indicating that the size of the signed confidence framing effect depended on which risky complement was presented. Gain-loss differences in risk taking, and in confidence in those risky decisions, were largest when only the zero risky complement was presented (loss,  $M = 1.894$ ,  $SE = 0.320$ ; gain,  $M = -2.545$ ,  $SE = 0.319$ ; mean difference = 4.439,  $SE = 0.262$ ,  $p < .001$ ), moderate when both risky complements were presented (i.e., in the typical version of the task; loss,  $M = 0.676$ ,  $SE = 0.322$ ; gain,  $M = -1.460$ ,  $SE = 0.321$ ; mean difference = 2.136,  $SE = 0.267$ ,  $p < .001$ ), and smallest (as well as only marginally significant) when only the non-zero risky complement was presented (loss,  $M = -0.100$ ,  $SE = 0.321$ ; gain,  $M = -0.617$ ,  $SE = 0.321$ ; mean difference = 0.517,  $SE = 0.266$ ,  $p = .052$ ).

A significant interaction between frame and gender,  $F(1, 1792.574) = 5.371$ ,  $p = .021$ , was modified by a three-way interaction between frame, gender, and lives versus money,  $F(2, 1772.698) = 4.174$ ,  $p = .016$ . Men took more risks, and were more confident in those risks, for money than for lives in both the gain frame and the loss frame. This increased risk taking for money compared to lives was more pronounced in the loss frame (mean difference = 1.217,  $SE = 0.323$ ,  $p < .001$ ) than the gain frame (mean difference = 0.971,  $SE = 0.323$ ,  $p = .003$ ). The difference in confident risk taking for lives versus money was not significant for women in either frame ( $p > .3$ ). Main effects of truncation, order, and participant gender were not significant (all  $p > .3$ ).

## **fMRI Results**

### **ROI analyses.**

***Framing-consistent activation.*** We first identified results in the omnibus contrast Framing > No Framing, including all three truncation conditions. Results are presented in Table 7. Clusters in the bilateral superior parietal lobule (including precuneus), bilateral inferior parietal lobule (supramarginal gyrus), bilateral caudate, and right posterior insula showed increased activation for framing-consistent decisions relative to framing-inconsistent decisions when trials from all three truncations of the risky option were included in the analyses.

Next, we constrained this analysis to the two truncation conditions in which participants showed group-level behavioral framing effects (i.e., zero risky complement presented, and both risky complements presented) in order to characterize the neural activation that supports framing behavior. Results for the contrast Framing > No Framing, for the two truncation conditions (zero complement presented, both complements presented), are reported in Table 8. Clusters in the parietal lobe and the dorsal striatum were more active when participants made framing-consistent decisions than when they made framing-inconsistent decisions. Compared to the omnibus Framing > No Framing contrast (i.e., including all three truncation conditions), the analysis that included only the two truncation conditions that produced significant behavioral framing effects yielded additional peaks in the parietal lobe, including the angular gyrus, supramarginal gyrus, inferior parietal lobule, and intraparietal sulcus. Clusters in the dorsal striatum (i.e., caudate and putamen), which were significant in only one hemisphere for the omnibus contrast, showed bilateral activation in this two-truncation version of the analysis. Finally, the two-truncation analysis also produced significant results in the left frontal pole and right inferior frontal gyrus.

We also tested for Framing > No Framing activation in the truncation condition that did not produce group-level behavioral framing effects (i.e., when only the nonzero risky complement was presented). No clusters survived correction in this contrast. However, this

could be explained by the smaller number of observations per participant in this analysis (20 observations) relative to the other analyses, which included two truncation conditions (zero risky complement presented and both risky complements presented; 40 observations) or three truncation conditions (60 observations). In order to rule out the possibility that the lack of significant results in this truncation condition was due to insufficient power, we also tested for activation when combining the nonzero-complement-presented and both-complements-presented conditions. Since the both-complements-presented condition is the typical version of the problem, and framing in this condition might be driven by either the zero or the nonzero risky complement, adding observations from this condition provided aggregation (i.e., additional power to detect activation) without biasing our tests of prospect theory and fuzzy trace theory predictions. Nonetheless, no clusters survived correction in this analysis.

***Framing-inconsistent activation.*** We ran the omnibus contrast No Framing > Framing, collapsing across truncations. No peaks survived correction at the cluster level; however, three peaks (right orbital frontal cortex, right insular cortex, and left hippocampus) survived correction at the peak level (Table 9). In order to identify framing-inconsistent activation that was driven by presenting either the zero or the nonzero risky complement, we ran follow-up analyses of No Framing > Framing in two pairs of truncation conditions: (a) zero-complement-presented and both-complements presented, and (b) nonzero-complement-presented and both-complements-presented. No peaks survived correction in either analysis.

***Modulation of framing effect by truncation of the risky option.*** Having identified regions that were associated with framing behavior, we performed planned comparisons in order to identify the effect of truncation manipulation on framing-related activation. For each peak that was significant in one of the contrasts reported above, the twelve first-level contrast estimates

from each subject were used as the dependent variable in a multilevel mixed model. Fixed variables in each model were frame, truncation, and decision; subject was included as a random variable.

To identify brain regions in which the truncation manipulation modulated framing-consistent activation, we focused on the peaks that showed a significant three-way interaction between frame, decision, and truncation. Since the peaks were identified in a framing-consistent contrast, this guaranteed that the Frame x Decision interaction would be significant in each of these analyses. However, the result of interest was the three-way interaction, which represented a planned comparison between framing effect and truncation. This was of interest for two reasons. First, we wanted to test whether the framing-consistent (or -inconsistent) activation was driven by the truncation conditions in which participants showed the largest behavioral framing effects (i.e., zero risky complement presented). Second, we wanted to test whether activation in these regions also showed a framing-consistent pattern in the condition (non-zero complement presented) that did not produce behavioral framing effects. Graphs of activation these peaks, in each of the 12 conditions, are displayed in *Figure 4* through *Figure 20*. Only activations in peaks that showed significant three-way interactions ( $p < .05$ ) are presented.

*Analyses of framing-consistent activation.* We ran this mixed effects analysis both on peaks from the omnibus Framing > No Framing contrast and on peaks from the contrast that was limited to truncation conditions that produced significant behavioral effects (i.e., zero complement presented and both complements presented). Recall that fuzzy-trace theory predicts that presenting only the zero risky complement should increase framing effects relative to the typical version of the problem, in which both complements are presented. Therefore, according to fuzzy-trace theory, framing-consistent activation patterns should be observed with the highest

resolution (i.e., the higher number of significant pairwise comparisons) of all truncation conditions. Also recall that prospect theory predicts a typical framing effect when only the non-zero risky complement is presented; in contrast, fuzzy-trace theory predicts a reduced framing effect in this condition. Therefore, prospect theory predicts framing-consistent activation patterns in this condition, whereas fuzzy-trace theory predicts an absence of framing-consistent activation patterns.

First, we present results of the mixed model analysis for peaks generated in the contrast Framing > No Framing, which included observations from all three truncation conditions. None of the peaks showed a significant three-way interaction at  $p < .05$ . However, we observed a marginally significant three-way interaction in the left caudate (-18, 0, 28). Pairwise comparisons indicated that, when only the zero risky complement was presented, mean activation was higher for sure decisions than for risky decisions in the gain frame, but mean activation was higher for risky decisions than for sure decisions in the loss frame, consistent with the standard framing effect. There was also one significant pairwise comparison in this peak in the condition when only the nonzero risky complement was presented. In this condition, activation in the gain frame was higher during sure decisions than during risky decisions. Thus, all significant pairwise comparisons were in the direction of standard framing effects, indicating that neural activation in these regions increased during decisions consistent with framing effects.

**Conditions that produced behavioral framing effects.** Next, we present pairwise comparisons for peaks that survived correction in the contrast Framing > No Framing, when that contrast included only observations from the two truncation conditions that showed significant behavioral framing effects (i.e., zero risky complement presented and both risky complements presented). We conducted two versions of the Frame x Truncation x Decision mixed model for

these peaks. The first version included only the zero-complement-presented and both-complement-presented conditions as levels of the factor Truncation, whereas the second version included all three versions of the risky option as levels of the factor Truncation. In the first version of this analysis, Frame x Truncation x Decision analyses were orthogonal to the main contrast (i.e., Framing > No Framing, when observations were limited to the zero-complement-presented and both-complements-presented conditions) with respect to the factor Truncation. Note that, although these peaks were selected on the basis of showing framing-consistent activation when observations from both truncation conditions (zero-complement-presented and both-complements-presented) were combined, pairwise comparisons would indicate whether the zero-complement-presented condition was driving this effect (i.e., whether the modulation of neural responses by our truncation manipulation was larger when only the zero risky complement was presented than when both risky complements were presented).

In the second version of these analyses, the nonzero-complement-presented condition was included as a third level of the factor Truncation in order to test for framing-consistent activation patterns in this third condition. Pairwise comparisons would indicate whether the pattern of neural activations in this third condition, which did not produce behavioral framing effects, was qualitatively similar to activation patterns in the two conditions that did produce behavioral framing effects, within regions that showed the strongest framing-related activation patterns in the latter two conditions. Although the inclusion of this third truncation condition would increase the ability to detect significant pairwise effects within the other two conditions by providing aggregation, it would not alter qualitative patterns within those conditions.

First, we report results from the first version of the analysis, which included only two levels of the factor Truncation. For each peak showing a significant three-way interaction, a

graphs of activation in each of the 8 conditions is presented (see *Figure 4* through *Figure 7*). For all peaks, when only the zero risky complement was presented, mean activation in the gain frame was higher for sure decisions than for risky decisions, consistent with the behavioral framing effect ( $p < .05$ ). In the loss frame, when only the zero risky complement was presented, the right angular gyrus (60, -34, 28), left caudate (-18, 0, 28) and right caudate (20, 0, 26) also showed higher activation for risky decisions than for sure decisions. Additionally, when both risky complements were presented (i.e., the typical version of the problem), the right caudate (20, 0, 26) showed higher activation for risky decisions in the loss frame than for sure decisions in the loss frame. Thus, all significant pairwise comparisons were in the direction of standard framing effects, indicating that neural activation in these regions increased during decisions consistent with framing effects. Pairwise comparisons indicate that the effects observed in the contrast Framing > No Framing, when either the zero risky complement or both risky complements were presented, were driven by framing-consistent activations in the zero-complement-presented condition. In this condition, activations were consistent with framing effects in both frames (i.e., higher activation for decisions corresponding to risk aversion in the gain frame, and higher activation for decisions corresponding to risk seeking in the loss frame).

Next, we report the second version of these analyses, which included three levels of the factor Truncation. For each peak showing a significant three-way interaction, a graphs of activation in each of the 8 conditions is presented (see *Figure 8* through *Figure 20*). For all peaks, when only the zero risky complement was presented, mean activation in the gain frame was higher for sure decisions than for risky decisions, consistent with the behavioral framing effect ( $p < .05$ ). In the loss frame, when only the zero risky complement was presented, the right angular gyrus (60, -34, 28), left supramarginal gyrus (-32, -42, 58), a third region in the right

inferior parietal lobule (50, -34, 50), and the right caudate (20, 0, 26) also showed higher activation for risky decisions than for sure decisions. Additionally, when both risky complements were presented (i.e., the typical version of the problem), the right supramarginal gyrus (60, -26, 22), left supramarginal gyrus (-32, -42, 58), right putamen (34, -2, 6), and right caudate (20, 0, 26) showed higher activation for sure decisions in the gain frame than for risky decisions in the gain frame. No pairwise comparisons were significant when only the nonzero risky complement was presented (i.e., the condition in which we did not observe significant group-level framing effects).

Thus, in this second version of the analyses, all significant pairwise comparisons were in the direction of standard framing effects, indicating that neural activation in these regions increased during decisions consistent with framing effects. However, these framing-consistent neural activation patterns were only observed in the two truncation conditions that produced behavioral framing effects (i.e., zero risky complement presented and both complements presented). Pairwise comparisons indicate that framing-consistent neural activations were more robust when only the zero risky complement was presented than when both complements of the gamble (the risky option) were presented, although trends in the latter condition were consistent with framing effects. This is consistent with behavioral results in suggesting that it is the zero risky complement that drives framing effects, and these effects are supported by activation in the parietal lobe and dorsal striatum. Additionally, framing-consistent activation patterns were more robust in the gain frame than in the loss frame, although activation trends in the loss frame generally reflected either risk seeking (i.e., framing-consistent) or no difference between sure and risky decisions.

*Analyses of framing-inconsistent activation.* We also extracted beta values in each of the

12 conditions for each of the three peaks that survived peak-level correction in the omnibus contrast No Framing > Framing. The three-way interaction term of the mixed model was not significant for any of these peaks.

***PPI analyses.*** Each peak from the analysis of activation during framing-consistent decisions was entered as a seed in a PPI analysis in order to identify regions that were functionally coupled during the contrast Framing > No Framing (again, in the two conditions in which either the zero risky complement or both risky complements were presented). We also included the marginally significant amygdala peak, given the strong *a priori* hypotheses about the role of amygdala activation in framing behavior. The results are presented in Table 10 through Table 26, with each table indicating regions that are functionally coupled with one of the seeds during this contrast. All results were thresholded at  $p < .05$ , correcting for family-wise error rate at the cluster level.

## Discussion

### Framing Effects

**Predictions of prospect theory versus fuzzy-trace theory.** We observed effects of Frame and Frame x Truncation not only on behavior, but also on brain activation. Activation in the inferior parietal lobule, including the angular and supramarginal gyri, and activation in the dorsal striatum, including the caudate and putamen, showed parametric effects of risky option truncation on the framing effect (i.e., on the interaction between frame and decision). The framing effect was strongest—in both behavior and the brain—when only the zero risky complement was presented, confirming the prediction by fuzzy-trace theory that the zero risky complement drives framing effects by emphasizing the categorical contrast between the sure and risky options.

In contrast, with one exception (which was marginally significant), we did not observe framing-consistent behavior or brain activation when only the nonzero risky complement was presented. At the level of the brain, this was observed in two sets of analyses. First, we did not find significant peaks for the contrast Framing > No Framing when limiting analyses to the conditions when both risky complements were presented and only the nonzero risky complement was presented. Second, in the mixed models that were run on peaks that were significantly active during behavioral framing effects (i.e., when only the zero risky complement or both risky complements were presented), we observed no significant framing-consistent patterns in the nonzero-complement-presented condition.

The lack of framing-consistent behavior or brain activation in this condition (i.e., when only the nonzero risky complement was presented) violates the prediction by prospect theory that framing effects should be equally strong when the zero complement is removed. Recall that prospect theory attributes framing effects to discounting of gains relative to losses according to a valuation function. Therefore, the value of each option is determined mathematically. Since the expected value of the zero risky complement is zero, removing this complement should have no effect on decisions, according to prospect theory. Our results disconfirm this prediction by prospect theory. On the other hand, they are consistent with the prediction by fuzzy-trace theory that framing effects should not be observed in this condition due to the absence of the zero risky complement, which drives framing by creating a categorical contrast between the sure and risky options.

**Role of the parietal lobe in decision making.** However, such a generalized model is only beginning to emerge for decisions involving risk and reward, despite increasing evidence implicating the posterior parietal cortex in these processes. Recent work indicates that the

parietal cortex supports value-based decision making, using some of the same mechanisms as in perceptual decisions. Here, I review this evidence and argue that, as in perceptual decision making, the posterior parietal lobe stochastically accumulates comparative value information about different options. It also integrates this quantitative information into simplified, categorical representations suitable for action selection.

**Role of amygdala in decision making.** Although we observed a marginally significant peak in the amygdala, this peak did not show a significant parametric modulation by truncation of the risky option. However, the amygdala was functionally coupled with regions that did show parametric modulations according to truncation condition, including subcortical regions such as the putamen and insula, parietal regions such as the precuneus and postcentral gyrus, and the middle cingulum, when participants made framing-consistent decisions. This result partially replicates the report by De Martino et al. (2006), which implicated the amygdala in framing effects. However, we only observed amygdala activation in the two truncation conditions that produced behavioral framing effects (i.e., zero risky complement presented and both risky complements presented). Thus, the involvement of the amygdala in framing effects appears to show indirect effects of our cognitive manipulation, reflecting functional coupling with both cortical and subcortical regions that were more sensitive to the cognitive manipulation.

***Valence versus salience.***

*Valence.* We observed more robust BOLD activation in gain frame contrasts than in loss frame contrasts, including increased amygdala sensitivity to sure versus risky options in the gain frame compared to the loss frame. One interpretation of this result is that amygdala activation was sensitive to valence. Alternatively, the attenuated activation in the loss frame relative to the gain frame may reflect a conflict between risk aversion and loss aversion in the loss frame.

Similarly, consistent with previous studies, we observed increased reaction time in the loss frame relative to the gain frame, which may reflect the increased cognitive effort required to process losses relative to gains (Gonzalez et al., 2005), as well as processing interference between risk aversion and loss aversion, which advocate for opposite decisions (sure and risky options, respectively; see discussion by Chick et al., 2016).

**Relation between cognitive and affective processing.** Similar to the coupling of amygdala with regions more sensitive to the cognitive manipulation, we observed functional connectivity between seeds in the angular and supramarginal gyri (which showed a parametric modulation by frame, truncation and decision) and striatal regions such as the pallidum and putamen, as well as other subcortical regions such as the insula, during framing-consistent decisions. This suggests that cognitive representation may have modulated subcortical affective responses, consistent with the interpretation that cognitive representation can dial up or dial down the affective response, as is appropriate to the task context. Activation in the dorsal striatum (caudate and putamen) was also modulated by cognitive manipulation. Although the dorsal striatum is associated with appetitive processing, it is typically involved in cognitive aspects of processing, such as learning, as opposed to the kind of “hot” appetitive processing that is described by the affect heuristic and other dual process models that assume emotion and cognition to be countervailing forces (Evans, 2010; Kahneman, 2003; Slovic, Finucane, Peters & MacGregor, 2007).

### References

- Ariely, D., Loewenstein, G., & Prelec, D. (2003). "Coherent arbitrariness:" Stable demand curves without stable preferences. *Quarterly Journal of Economics*, *118*(1), 73-105.
- Baayen, R. H., Davidson, D. J., & Bates, D. M. (2008). Mixed-effects modeling with crossed random effects for subjects and items. *Journal of Memory and Language*, *59*(4), 390-412. doi: 10.1016/j.jml.2007.12.005
- Balderston, N. L., Schultz, D. H., & Helmstetter, F. J. (2011). The human amygdala plays a stimulus specific role in the detection of novelty. *NeuroImage*, *55*(4), 1889-1898. doi:10.1016/j.neuroimage.2011.01.034
- Bartra, O., McGuire, J. T., & Kable, J. W. (2013). The valuation system: a coordinate-based meta-analysis of BOLD fMRI experiments examining neural correlates of subjective value. *NeuroImage*, *76*, 412-427. doi:10.1016/j.neuroimage.2013.02.063
- Batterink, L., Yokum, S., & Stice, E. (2010). Body mass correlates inversely with inhibitory control in response to food among adolescent girls: an fMRI study. *NeuroImage* *52*(4), 1696-1703. doi:10.1016/j.neuroimage.2010.05.059
- Berns, G. S., Capra, C. M., Chappelow, J., Moore, S., & Noussair, C. (2008). Nonlinear neurobiological probability weighting functions for aversive outcomes. *NeuroImage*, *39*(4), 2047-2057. doi:10.1016/j.neuroimage.2007.10.028
- Birnbaum, M. H. (2008). New paradoxes of risky decision making. *Psychological Review* *115*(2), 463. doi: 10.1037/0033-295X.115.2.463
- Boorman, E. D., Behrens, T. E. J., Woolrich, M. W., & Rushworth, M. F. S. (2009). How green is the grass on the other side? Frontopolar cortex and the evidence in favor of

alternative courses of action. *Neuron*, 62(5), 733-743. doi:  
10.1016/j.neuron.2009.05.014

Brahmbhatt, S. B., McAuley, T., & Barch, D. M. (2008). Functional developmental similarities and differences in the neural correlates of verbal and nonverbal working memory tasks. *Neuropsychologia* 46(4), 1020-1031.  
doi:10.1016/j.neuropsychologia.2007.11.010

Brainerd, C. J., Reyna, V. F., & Howe, M. L. (2009). Trichotomous processes in early memory development, aging, and neurocognitive impairment: a unified theory. *Psychological Review*, 116(4), 783.

Britz, J., Pitts, M. A., & Michel, C. M. (2011). Right parietal brain activity precedes perceptual alternation during binocular rivalry. *Human Brain Mapping*, 32(9), 1432-1442. doi: 10.1002/hbm.21117

Bueti, D., & Walsh, V. (2009). The parietal cortex and the representation of time, space, number and other magnitudes. *Philosophical Transactions of the Royal Society of London B: Biological Sciences*, 364(1525), 1831-1840. doi: 10.1098/rstb.2009.0028

Casey, B. J., Somerville, L. H., Gotlib, I. H., Ayduk, O., Franklin, N. T., Askren, M. K., ... & Shoda, Y. (2011). Behavioral and neural correlates of delay of gratification 40 years later. *Proceedings of the National Academy of Sciences*, 108(36), 14998-15003.

Cha, J., DeDora, D., Nedic, S., Ide, J., Greenberg, T., Hajcac, G., & Mujica-Parodi, L. R. (2016). Clinically anxious individuals show disrupted feedback between inferior frontal gyrus and prefrontal-limbic control circuit. *Journal of Neuroscience* 36(17): 4708-4718. doi: 10.1523/JNEUROSCI.1092-15.2016

- Chen, A. C., Welsh, R. C., Liberzon, I., & Taylor, S. F. (2010). 'Do I like this person?' A network analysis of midline cortex during a social preference task. *NeuroImage*, *51*(2), 930-939. doi:10.1016/j.neuroimage.2010.02.044
- Chick, C. F. (2014). Basic mechanisms of numerical processing: Cross-modal number comparisons and symbolic versus nonsymbolic numerosity in the intraparietal sulcus. *Journal of Neuroscience*, *34*(5), 1567-1569. doi: 10.1523/JNEUROSCI.4771-13.2014
- Chick, C. F., Pardo, S. T., Reyna, V.F. & Goldman, D. A. (2012). Decision making (Individuals). In *Encyclopedia of Human Behavior*, 6th Ed. San Diego, CA: Elsevier Academic Press. doi: 10.1016/B978-0-12-375000-6.00122-1
- Chick, C. F., & Reyna, V. F. (2012). A fuzzy trace theory of adolescent risk taking: Beyond self-control and sensation seeking. In V. F. Reyna, S. B. Chapman, M. R. Dougherty & J. Confrey (Eds.), *The adolescent brain: Learning, reasoning, and decision making*. (pp. 379-428). Washington, DC US: American Psychological Association. doi:10.1037/13493-013
- Chick, C. F., Reyna, V. F., & Corbin, J. C. (2016). Framing effects are robust to linguistic disambiguation: A critical test of contemporary theory. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *42*(2), 238-256. doi: 10.1037/xlm0000158
- Chung, T., Paulsen, D. J., Geier, C. F., Luna, B., & Clark, D. B. (2015). Regional brain activation supporting cognitive control in the context of reward is associated with treated adolescents' marijuana problem severity at follow-up: A preliminary study. *Developmental Cognitive Neuroscience* *16*, 93-100. doi:10.1016/j.dcn.2015.05.004

- Clarke, H. F., Horst, N. K., & Roberts, A. C. (2015). Regional inactivations of primate ventral prefrontal cortex reveal two distinct mechanisms underlying negative bias in decision making. *Proceedings of the National Academy of Sciences*, *112*(13), 4176-4181. [10.1073/pnas.1422440112](https://doi.org/10.1073/pnas.1422440112)
- Cox, R. W. (1996). AFNI: software for analysis and visualization of functional magnetic resonance neuroimages. *Computers and Biomedical research*, *29*(3), 162-173.
- Cox, R. W. (2012). AFNI: what a long strange trip it's been. *Neuroimage*, *62*(2), 743-747.
- Cunningham, W. A., & Brosch, T. (2012). Motivational salience amygdala tuning from traits, needs, values, and goals. *Current Directions in Psychological Science*, *21*(1), 54-59. doi: [10.1177/09637214111430832](https://doi.org/10.1177/09637214111430832)
- D'Argembeau, A., Stawarczyk, D., Majerus, S., Collette, F., Van der Linden, M., & Salmon, E. (2010). Modulation of medial prefrontal and inferior parietal cortices when thinking about past, present, and future selves. *Social Neuroscience*, *5*(2), 187-200. doi: [10.1080/17470910903233562](https://doi.org/10.1080/17470910903233562)
- De Martino, B., Kumaran, D., Seymour, B., & Dolan, R. J. (2006). Frames, biases, and rational decision-making in the human brain. *Science*, *313*(5787), 684-687.
- Dennis, N. A., Bowman, C. R., & Vandekar, S. N. (2012). True and phantom recollection: an fMRI investigation of similar and distinct neural correlates and connectivity. *NeuroImage*, *59*(3), 2982-2993. doi:[10.1016/j.neuroimage.2011.09.079](https://doi.org/10.1016/j.neuroimage.2011.09.079)
- Eickhoff, S. B., Paus, T., Caspers, S., Grosbras, M. H., Evans, A. C., Zilles, K., & Amunts, K. (2007). Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. *Neuroimage*, *36*(3), 511-521.

- Etkin, A., Egner, T., Peraza, D. M., Kandel, E. R., & Hirsch, J. (2006). Resolving emotional conflict: a role for the rostral anterior cingulate cortex in modulating activity in the amygdala. *Neuron*, *51*(6), 871-882.
- Evans, J. S. B. (2010). Intuition and reasoning: A dual-process perspective. *Psychological Inquiry*, *21*(4), 313-326.
- Evans, J. S. B., & Stanovich, K. E. (2013). Dual-process theories of higher cognition advancing the debate. *Perspectives on Psychological Science*, *8*(3), 223-241.
- Ferrera, V. P., & Grinband, J. (2006). Walk the line: parietal neurons respect category boundaries. *Nature Neuroscience* *9*(10), 1207-1208. doi:10.1038/nn1006-1207
- Fox, C. R. & Poldrack, R. A. (2009). Prospect theory and the brain. In P. W. Glimcher, C. F. Camerer, E. Fehr, & R. Poldrack (Eds.), *Neuroeconomics: Decision Making and the Brain* (pp. 145-173). London: Elsevier.
- Frank, M. J., Gagne, C., Nyhus, E., Masters, S., Wiecki, T. V., Cavanagh, J. F., & Badre, D. (2015). fMRI and EEG Predictors of dynamic decision parameters during human reinforcement learning. *Journal of Neuroscience*, *35*(2), 485-494.
- Freedman, D. J., & Assad, J. A. (2006). Experience-dependent representation of visual categories in parietal cortex. *Nature*, *443*(7107), 85-88. doi:10.1038/nature05078
- Friston, K. J., Buechel, C., Fink, G. R., Morris, J., Rolls, E., & Dolan, R. J. (1997). Psychophysiological and modulatory interactions in neuroimaging. *Neuroimage*, *6*(3), 218-229.
- Gitelman, D. R., Penny, W. D., Ashburner, J., & Friston, K. J. (2003). Modeling regional and psychophysiological interactions in fMRI: the importance of hemodynamic deconvolution. *Neuroimage*, *19*(1), 200-207.

- Gläscher, J. (2009). Visualization of group inference data in functional neuroimaging. *Neuroinformatics*, 7(1), 73-82.
- Gonzalez, C., Dana, J., Koshino, H., & Just, M. (2005). The framing effect and risky decisions: Examining cognitive functions with fMRI. *Journal of Economic Psychology*, 26(1), 1-20. doi: 10.1016/j.joep.2004.08.004
- Hsu, M., Krajbich, I., Zhao, C., & Camerer, C. F. (2009). Neural response to reward anticipation under risk is nonlinear in probabilities. *Journal of Neuroscience*, 29(7), 2231-2237. doi: 10.1523/JNEUROSCI.5296-08.2009
- Kable, J. W., & Glimcher, P. W. (2007). The neural correlates of subjective value during intertemporal choice. *Nature Neuroscience*, 10(12), 1625-1633. doi:10.1038/nn2007
- Kahneman, D. (2003). A perspective on judgment and choice: Mapping bounded rationality. *American Psychologist*, 58(9), 697-720. doi: 10.1037/0003-066X.58.9.697
- Kahneman, D., & Klein, G. (2009). Conditions for intuitive expertise: a failure to disagree. *American Psychologist*, 64(6), 515-26. doi:10.1037/a0016755
- Kahneman, D., & Tversky, A. (1979). Prospect theory: Analysis of decision under risk. *Econometrica*, 47(2), 263-291. doi: 10.2307/1914185
- Kahneman, D., & Tversky, A. (1984). Choices, values, and frames. *American Psychologist*, 39(4), 341.
- Kühberger, A. (1995). The framing of decisions: A new look at old problems. *Organizational Behavior and Human Decision Processes*, 62(2), 230-240. doi: 10.1006/obhd.1995.1046

- Kühberger, A. (1998). The influence of framing on risky decisions: A meta-analysis. *Organizational Behavior and Human Decision Processes*, 75(1), 23-55. doi: 10.1006/obhd.1998.2781
- Kühberger, A., & Gradl, P. (2013). Choice, rating, and ranking: Framing effects with different response modes. *Journal of Behavioral Decision Making*, 26, 109-117. doi: 10.1002/bdm.764
- Kühberger, A., & Tanner, C. (2010). Risky choice framing: Task versions and a comparison of prospect theory and fuzzy-trace theory. *Journal of Behavioral Decision Making*, 23(3), 314-329. doi: 10.1002/bdm.656
- Kühberger, A., & Wiener, C. (2012). Explaining risk attitude in framing tasks by regulatory focus: A verbal protocol analysis and a simulation using fuzzy logic. *Decision Analysis*, 9(4), 359-372. doi: 10.1287/deca.1120.0254
- Levin, I. P., Hart, S. S., Weller, J. A., & Harshman, L. A. (2007). Stability of choices in a risky decision-making task: A 3-year longitudinal study with children and adults. *Journal of Behavioral Decision Making*, 20, 241-252. doi:10.1002/bdm
- Levy, D. J., & Glimcher, P. W. (2012). The root of all value: a neural common currency for choice. *Current Opinion in Neurobiology*, 22(6), 1027-1038. doi:10.1016/j.conb.2012.06.001
- Levy, H., & Levy, M. (2002a). Experimental test of the prospect theory value function: A stochastic dominance approach. *Organizational Behavior and Human Decision Processes* 89(2), 1058-1081. doi:10.1016/S0749-5978(02)00011-0
- Levy, M., & Levy, H. (2002b). Prospect theory: much ado about nothing?. *Management Science* 48(10), 1334-1349. doi: 10.1287/mnsc.48.10.1334.276

- Liang, X., Zebrowitz, L. A., & Zhang, Y. (2010). Neural activation in the “reward circuit” shows a nonlinear response to facial attractiveness. *Social Neuroscience*, 5(3), 320-334. Doi :10.1080/17470911003619916
- Lloyd, F. J. & Reyna, V. F. (2009). Clinical gist and medical education: Connecting the dots. *Journal of the American Medical Association*, 302(12), 1332-1333. doi: 10.1001/jama.2009.1383.
- Locke, H. S., & Braver, T. S. (2008). Motivational influences on cognitive control: behavior, brain activation, and individual differences. *Cognitive, Affective, & Behavioral Neuroscience*, 8(1), 99-112.
- Mandel, D. R. (2014). Do framing effects reveal irrational choice? *Journal of Experimental Psychology: General*, 143(3), 1185-1198. doi: 10.1037/a0034207
- Mohr, P. N., Biele, G., & Heekeren, H. R. (2010). Neural processing of risk. *Journal of Neuroscience* 30(19), 6613-6619. doi: 10.1523/JNEUROSCI.0003-10.2010
- Mohr, P. N., Biele, G., Krugel, L. K., Li, S. C., & Heekeren, H. R. (2010). Neural foundations of risk–return trade-off in investment decisions. *NeuroImage* 49(3), 2556-2563. doi:10.1016/j.neuroimage.2009.10.060
- Nichols, T., & Hayasaka, S. (2003). Controlling the familywise error rate in functional neuroimaging: a comparative review. *Statistical Methods in Medical Research* 12(5), 419-446. doi: 10.1191/0962280203sm341ra
- Nieuwenhuis, S., Heslenfeld, D. J., von Geusau, N. J. A., Mars, R. B., Holroyd, C. B., & Yeung, N. (2005). Activity in human reward-sensitive brain areas is strongly context dependent. *NeuroImage*, 25(4), 1302-1309. doi:10.1016/j.neuroimage.2004.12.043

- O'Reilly, J. X., Woolrich, M. W., Behrens, T. E., Smith, S. M., & Johansen-Berg, H. (2012). Tools of the trade: psychophysiological interactions and functional connectivity. *Social Cognitive and Affective Neuroscience*, 7(5), 604-609.
- Ousdal, O. T., Reckless, G. E., Server, A., Andreassen, O. A., & Jensen, J. (2012). Effect of relevance on amygdala activation and association with the ventral striatum. *NeuroImage*, 62(1), 95-101. doi:10.1016/j.neuroimage.2012.04.035
- Ousdal, O. T., Specht, K., Server, A., Andreassen, O. A., Dolan, R. J., & Jensen, J. (2014). The human amygdala encodes value and space during decision making. *NeuroImage* 101, 712-719. doi:10.1016/j.neuroimage.2014.07.055
- Padmanabhan, A., Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B. (2011). Developmental changes in brain function underlying the influence of reward processing on inhibitory control. *Developmental Cognitive Neuroscience* 1(4), 517-529. doi:10.1016/j.dcn.2011.06.004
- Paulus, M. P., & Frank, L. R. (2006). Anterior cingulate activity modulates nonlinear decision weight function of uncertain prospects. *NeuroImage*, 30(2), 668-677.
- Peirce, J. W. (2007). PsychoPy—psychophysics software in Python. *Journal of Neuroscience Methods*, 162(1), 8-13.
- Platt, M., & Padoa-Schioppa, C. (2009). Neuronal representations of value. In P. W. Glimcher, C. F. Camerer, E. Fehr, & R. Poldrack (Eds.), *Neuroeconomics: Decision Making and the Brain* (pp. 441-462). London: Elsevier.
- Poldrack, R. A. (2007). Region of interest analysis for fMRI. *Social Cognitive and Affective Neuroscience*, 2(1), 67-70.

- Rao, L. L., Zhou, Y., Xu, L., Liang, Z. Y., Jiang, T., & Li, S. (2011). Are risky choices actually guided by a compensatory process? New insights from fMRI. *PloS one*, *6*(3), e14756. doi:10.1371/journal.pone.0014756
- Reyna, V. F. (2012). A new intuitionism: Meaning, memory, and development in fuzzy-trace theory. *Judgment and Decision Making*, *7*(3), 332-359.
- Reyna, V. F., & Brainerd, C. J. (1991). Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. *Journal of Behavioral Decision Making*, *4*(4), 249-262. doi:10.1002/bdm.3960040403
- Reyna, V. F., & Brainerd, C. J. (2011). Dual processes in decision making and developmental neuroscience: A fuzzy-trace model. *Developmental Review*, *31*(2-3), 180-206. doi: 10.1016/j.dr.2011.07.004
- Reyna, V. F., Chick, C. F., Corbin, J. C., & Hsia, A. N. (2014). Developmental reversals in risky decision making: Intelligence agents show larger decision biases than college students. *Psychological Science*, *25*(1), 76-84. doi: 10.1177/0956797613497022
- Reyna, V. F., Estrada, S. M., DeMarinis, J. A., Myers, R. M., Stanisiz, J. M., & Mills, B. A. (2011). Neurobiological and memory models of risky decision making in adolescents versus young adults. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*(5), 1125–1142. doi:10.1037/a0023943
- Reyna, V. F. & Huettel, S. A. (2014). Reward, representation, and impulsivity: A theoretical framework for the neuroscience of risky decision making. In Reyna, V. F. & Zayas, V. (Eds.), *The neuroscience of risky decision making* (pp.11–42). Washington, D. C.: American Psychological Association.

- Roiser, J. P., de Martino, B., Tan, G. C., Kumaran, D., Seymour, B., Wood, N. W., & Dolan, R. J. (2009). A genetically mediated bias in decision making driven by failure of amygdala control. *Journal of Neuroscience*, *29*(18), 5985-5991. doi: 10.1523/JNEUROSCI.0407-09.2009
- Setton, R. A., Wilhelms, E. A., Weldon, R. B., Chick, C. F., & Reyna, V. F. (2014). An overview of judgment and decision making research through the lens of fuzzy trace theory. *Advances in Psychological Science* *22*(12), 1837-1854. doi: 10.3724.SP.J.1042.2014.01837
- Shadlen, M. N., & Newsome, W. T. (2001). Neural basis of a perceptual decision in the parietal cortex (area LIP) of the rhesus monkey. *Journal of Neurophysiology*, *86*(4), 1916-1936.
- Slovic, P., Finucane, M. L., Peters, E., & MacGregor, D. G. (2007). The affect heuristic. *European Journal of Operational Research*, *177*(3), 1333-1352.
- Strang, N. M., & Pollak, S. D. (2014). Developmental continuity in reward-related enhancement of cognitive control. *Developmental Cognitive Neuroscience*, *10*, 34-43.
- Talmi, D., Hurlmann, R., Patin, A., & Dolan, R. J. (2010). Framing effect following bilateral amygdala lesion. *Neuropsychologia*, *48*(6), 1823-1827.  
doi:10.1016/j.neuropsychologia.2010.03.005
- Tobler, P. N., Fiorillo, C. D., & Schultz, W. (2005). Adaptive coding of reward value by dopamine neurons. *Science*, *307*(5715), 1642-1645. doi: 10.1126/science.1105370
- Tom, S. M., Fox, C. R., Trepel, C., & Poldrack, R. A. (2007). The neural basis of loss aversion in decision-making under risk. *Science*, *315*(5811), 515-518.

Tottenham, N., Hare, T. A., Millner, A., Gilhooly, T., Zevin, J. D., & Casey, B. J. (2011).

Elevated amygdala response to faces following early deprivation. *Developmental Science*, *14*(2), 190-204. doi: 10.1111/j.1467-7687.2010.00971.x

Tremblay, M., Cocker, P. J., Hosking, J. G., Zeeb, F. D., Rogers, R. D., & Winstanley, C. A.

(2014). Dissociable effects of basolateral amygdala lesions on decision making biases in rats when loss or gain is emphasized. *Cognitive, Affective, & Behavioral Neuroscience*, *14*(4), 1184-1195. DOI 10.3758/s13415-014-0271-1

Tversky, A. & Kahneman, D. (1981). The framing of decisions and the psychology of choice.

*Science*, *211*(4481), 453-458. doi: 10.1126/science.7455683

Tversky, A., Sattath, S., & Slovic, P. (1988). Contingent weighting in judgment and

choice. *Psychological Review*, *95*(3), 371.

Usher, M., & McClelland, J. L. (2001). The time course of perceptual choice: the leaky,

competing accumulator model. *Psychological Review*, *108*(3), 550. doi:

10.1037/0033-295X.108.3.550

Venkatraman, V., Payne, J. W., Bettman, J. R., Luce, M. F., & Huettel, S. A. (2009).

Separate neural mechanisms underlie choices and strategic preferences in risky decision making. *Neuron*, *62*(4), 593-602. doi:10.1016/j.neuron.2009.04.007

Vlaev, I., Chater, N., Stewart, N., & Brown, G. D. (2011). Does the brain calculate value?

*Trends in Cognitive Sciences*, *15*(11), 546-554. doi:10.1016/j.tics.2011.09.008

Vlaev, I., Seymour, B., Dolan, R. J., & Chater, N. (2009). The price of pain and the value of

suffering. *Psychological Science*, *20*(3), 309-317. doi: 10.1111/j.1467-

9280.2009.02304.x

- Weller, J. A., Levin, I. P., Shiv, B., & Bechara, A. (2007). Neural correlates of adaptive decision making for risky gains and losses. *Psychological Science* 18(11), 958-964. doi: 10.1111/j.1467-9280.2007.02009.x
- Weller, J. A., Levin, I. P., Shiv, B., & Bechara, A. (2009). The effects of insula damage on decision-making for risky gains and losses. *Social Neuroscience* 4(4), 347-358. doi: 10.1080/17470910902934400
- White, L. K., Britton, J. C., Sequeira, S., Ronkin, E. G., Chen, G., Bar-Haim, Y., Shechner, T., Ernst, M., Fox, N. A., Leibenluft, E., & Pine, D. S. (2016). Behavioral and neural stability of attention bias to threat in healthy adolescents. *NeuroImage* (advanced online publication). doi:10.1016/j.neuroimage.2016.04.058
- Woo, C. W., Krishnan, A., & Wager, T. D. (2014). Cluster-extent based thresholding in fMRI analyses: pitfalls and recommendations. *NeuroImage* 91, 412-419. doi:10.1016/j.neuroimage.2013.12.058
- Zaki, J., Schirmer, J., & Mitchell, J. P. (2011). Social influence modulates the neural computation of value. *Psychological Science*, 22(7), 894-900. doi: 10.1177/0956797611411057
- Zaretskaya, N., Anstis, S., & Bartels, A. (2013). Parietal cortex mediates conscious perception of illusory gestalt. *Journal of Neuroscience*, 33(2), 523-531. doi: 10.1523/JNEUROSCI.2905-12.2013
- Zaretskaya, N., & Bartels, A. (2015). Gestalt perception is associated with reduced parietal beta oscillations. *NeuroImage* 112, 61-69. doi:10.1016/j.neuroimage.2015.02.049

Table 1

*Example of Each Truncation of the Risky Option in the Gain Frame*

Condition	Sure option	Risky option	Prediction (FTT)
Zero complement presented			
Text	200 saved for sure	2/3 probability no one saved	Increased framing
Categorical gist	SOME	NONE	
Both complements presented			
Text	200 saved for sure	1/3 probability 600 saved; 2/3 probability no one saved	Standard framing
Categorical gist	SOME	SOME or NONE	
Nonzero complement presented			
Text	200 saved for sure	1/3 probability 600 saved	No framing
Categorical gist	SOME	SOME	

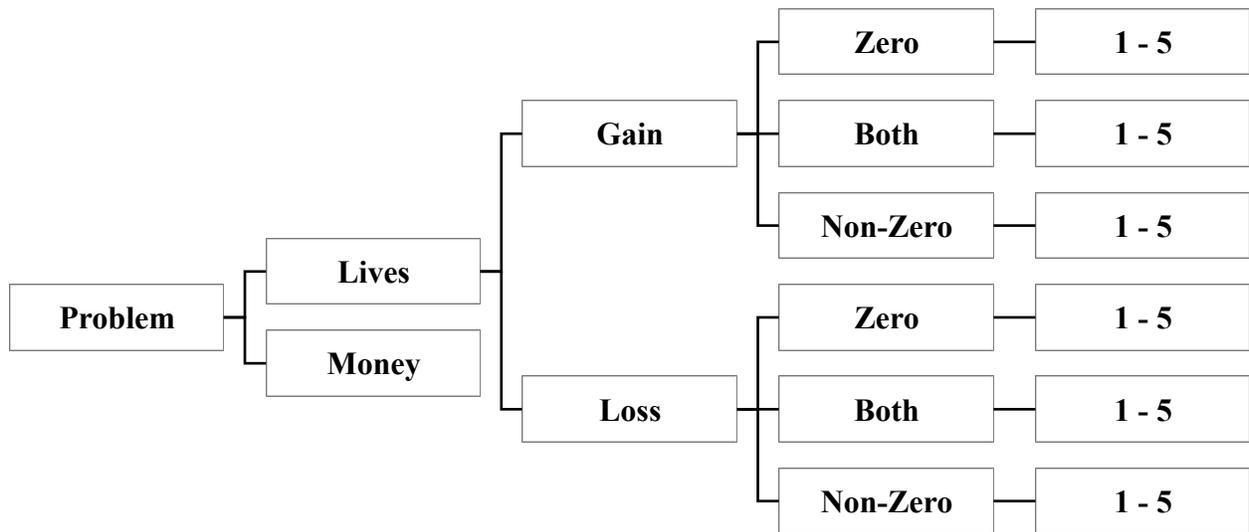
*Note.* The sure option was held constant. The traditional version presents both risky complements. For each problem, only one sure and one risky option were presented (i.e., only one truncation condition per problem). The options in this example are framed as gains; analogous manipulations were created for the loss frame (Table 2). FTT, fuzzy-trace theory.

Table 2

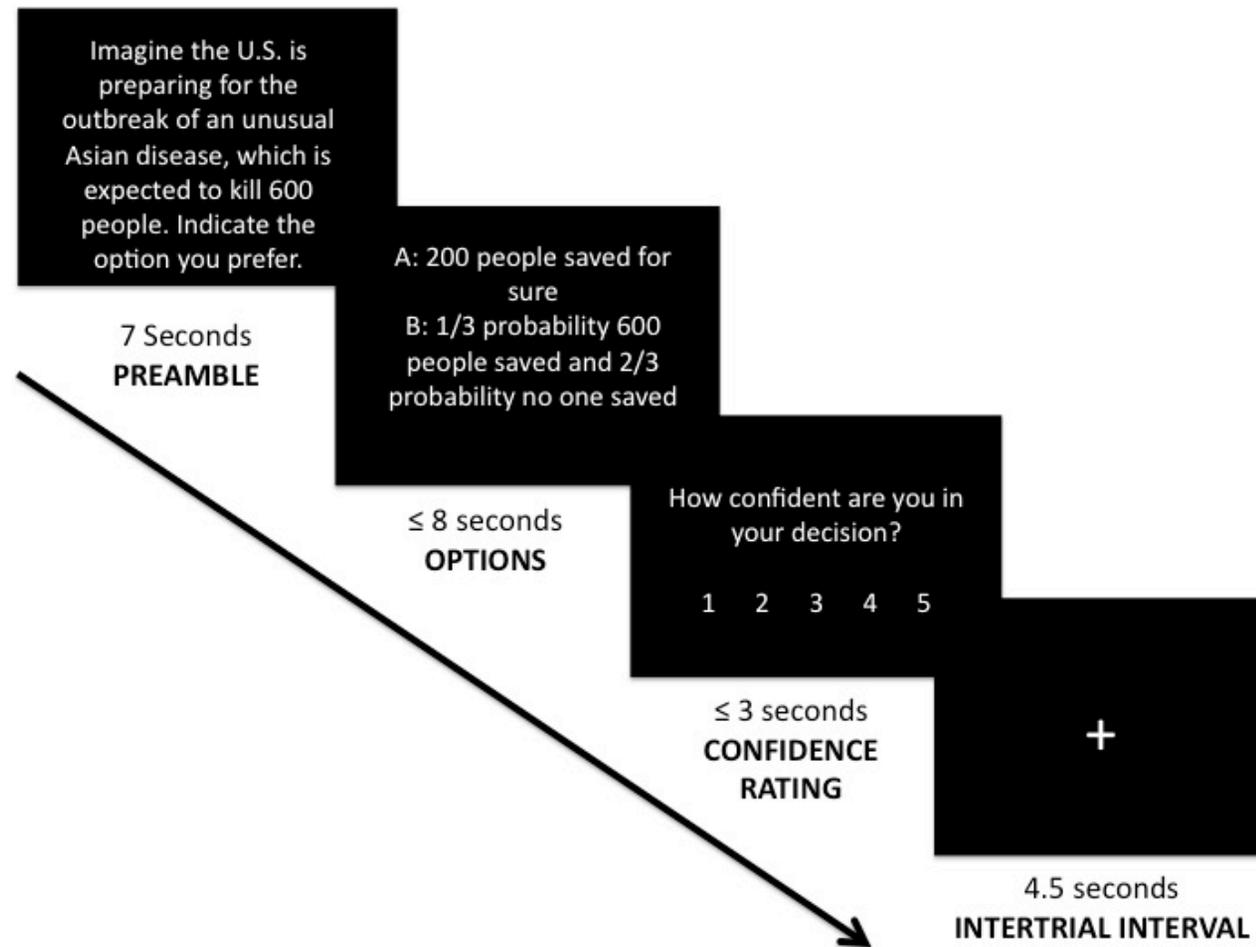
*Example of Each Truncation of the Risky Option in the Loss Frame*

Condition	Sure option	Risky option	Prediction (FTT)
Zero complement presented			
Text	400 die for sure	1/3 probability none die	Increased framing
Categorical gist	SOME	NONE	
Both complements presented			
Text	400 die for sure	1/3 probability none die; 2/3 probability 600 die	Standard framing
Categorical gist	SOME	SOME or NONE	
Nonzero complement presented			
Text	400 die for sure	2/3 probability 600 die	No framing
Categorical gist	SOME	SOME	

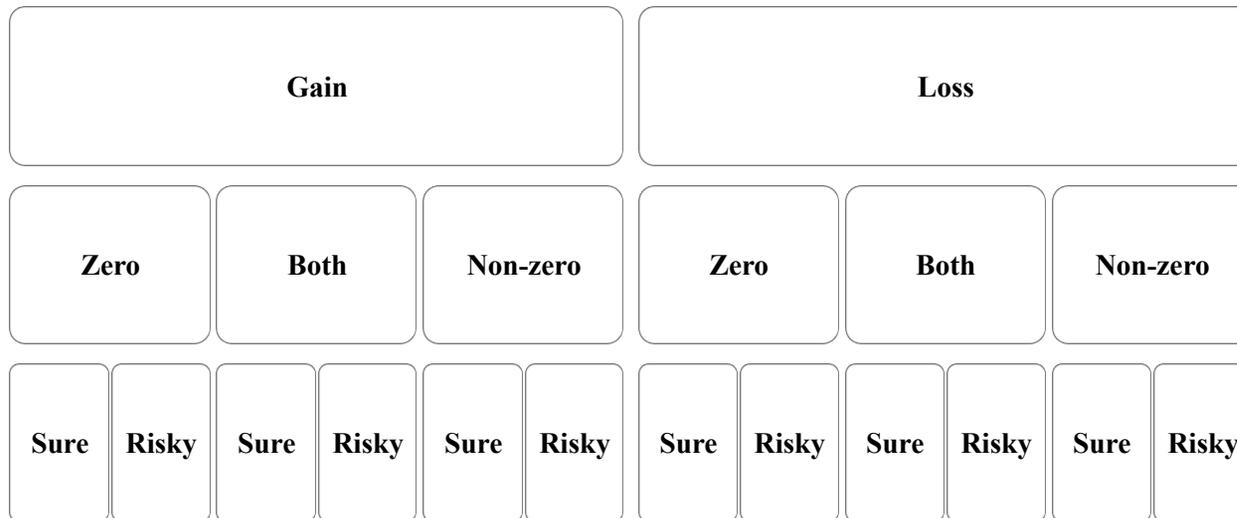
*Note.* The sure option was held constant. The traditional version presents both risky complements. For each problem, only one sure and one risky option were presented (i.e., only one truncation condition per problem). The options in this example are framed as losses; analogous manipulations were created for the gain frame (Table 1). FTT, fuzzy-trace theory.



*Figure 1.* Repeated measures factorial design. 20 problems were created; in each, either lives or money were at stake. Options were presented as gains or losses, and the risky option was truncated such that either the zero complement, the non-zero complement, or both complements were presented. Each participant completed five replications of each condition (with a different problem stem).



*Figure 2.* Timing and sequence of stimuli within each trial. Each participant completed 60 framing problems, divided into two pseudorandomized and counterbalanced runs. For options and confidence rating, the screen advanced as soon as the participant entered the response via button press.



*Figure 3.* Regressors in first-level fMRI analyses. As modeled in the first-level fMRI analyses, each participant received 10 replications of each of the six Frame\*Truncation conditions, for a total of 60 problems. (The fMRI analyses collapsed across lives and money, which showed no behavioral difference in framing effects). Decision (sure, risky) was also modeled in fMRI analyses. Thus, three factors (Frame, Truncation, and Decision) were modeled as individual regressors in the first-level fMRI analysis.

# NEURAL MECHANISMS OF FRAMING EFFECTS

Table 3

## *Region-of-Interest Analyses*

### **Frontal Lobe**

#### Harvard-Oxford:

Frontal pole

Inferior frontal gyrus, pars triangularis

Inferior frontal gyrus, pars opercularis

Inferior frontal gyrus, pars orbitalis

Cingulate gyrus, anterior

Cingulate gyrus, posterior

#### Julich:

Broca's Area (BA 44, 45)

### **Parietal Lobe**

#### Harvard-Oxford:

Superior parietal lobule

Supramarginal gyrus, anterior division

Supramarginal gyrus, posterior division

Angular gyrus

#### Julich:

Intraparietal sulcus

### **Sub-Cortical Regions**

#### Harvard-Oxford:

Amygdala (L, R)

Caudate (L, R)

Putamen (L, R)

Pallidum (L, R)

Accumbens (L, R)

Parahippocampal gyrus, anterior

Parahippocampal gyrus, posterior

Insular cortex

#### Julich:

Hippocampus

Entorhinal cortex

Table 4

*Cell Size by Condition*

Contrast	Number of participants contributing responses
Nonzero risky complement presented	
Gain Sure > 0	32
Gain Risk > 0	32
Loss Sure > 0	27
Loss Risk > 0	30
Both risky complements presented	
Gain Sure > 0	32
Gain Risk > 0	28
Loss Sure > 0	29
Loss Risk > 0	30
Zero risky complement presented	
Gain Sure > 0	32
Gain Risk > 0	23
Loss Sure > 0	24
Loss Risk > 0	30

*Note.*  $N = 32$  fMRI participants. Condition > 0 contrasts represent activation in each of the 12 Frame x Truncation x Decision conditions, contrasted with implicit baseline.

Table 5

*Summary Statistics for Framing Variables in the Full Behavioral Sample (N = 99)*

	N	Min.	Max.	<i>M</i>	<i>SD</i>
Risky Choices	99	0.000	1.000	0.466	0.239
Signed Confidence	99	-4.500	5.517	-0.296	1.986
Risky Choices Lives	99	0.000	1.000	0.443	0.278
Signed Confidence Lives	99	-5.000	5.567	-0.483	2.177
Risky Choices Money	99	0.000	1.000	0.489	0.267
Signed Confidence Money	99	-4.575	5.467	-0.110	2.343
Risky Choices Gain	99	0.000	1.000	0.347	0.237
Signed Confidence Gain	99	-4.600	5.467	-1.279	2.073
Risky Choices Gist Gain	99	0.000	1.000	0.250	0.256
Signed Confidence Gist Gain	99	-4.900	5.000	-2.038	2.131
Risky Choices Mixed Gain	99	0.000	1.000	0.363	0.280
Signed Confidence Mixed Gain	99	-4.800	5.000	-1.128	2.286
Risky Choices Verbatim Gain	99	0.000	1.000	0.427	0.278
Signed Confidence Verbatim Gain	99	-6.400	6.400	-0.672	2.645
Risky Choices Gain lives	99	0.000	1.000	0.318	0.281
Signed Confidence Gain Lives	99	-5.000	5.000	-1.466	2.230
Risky Choices Gist Gain Lives	99	0.000	1.000	0.209	0.299
Signed Confidence Gist Gain Lives	99	-5.000	5.000	-2.320	2.344
Risky Choices Mixed Gain Lives	99	0.000	1.000	0.333	0.352
Signed Confidence Mixed Gain Lives	99	-5.000	5.000	-1.327	2.726
Risky Choices Verbatim Gain Lives	99	0.000	1.000	0.412	0.338
Signed Confidence Verbatim Gain Lives	99	-5.000	5.000	-0.751	2.627
Risky Choices Gain Money	99	0.000	1.000	0.376	0.282
Signed Confidence Gain Money	99	-5.933	5.933	-1.093	2.685
Risky Choices Gist Gain Money	99	0.000	1.000	0.290	0.305
Signed Confidence Gist Gain Money	99	-5.000	5.000	-1.756	2.603
Risky Choices Mixed Gain Money	99	0.000	1.000	0.394	0.324
Signed Confidence Mixed Gain Money	99	-5.000	5.000	-0.929	2.718
Risky Choices Verbatim Gain Money	99	0.000	1.000	0.443	0.338
Signed Confidence Verbatim Gain Money	99	-7.800	7.800	-0.594	3.826
Risky Choices Loss	99	0.000	1.000	0.585	0.284

Signed Confidence Loss	99	-5.000	5.567	0.687	2.276
Risky Choices Gist Loss	99	0.000	1.000	0.681	0.277
Signed Confidence Gist Loss	99	-5.000	5.000	1.424	2.194
Risky Choices Mixed Loss	99	0.000	1.000	0.570	0.320
Signed Confidence Mixed Loss	99	-5.000	6.700	0.578	2.587
Risky Choices Verbatim Loss	99	0.000	1.000	0.503	0.344
Signed Confidence Verbatim Loss	99	-5.000	5.000	0.059	2.635
Risky Choices Loss Lives	99	0.000	1.000	0.568	0.329
Signed Confidence Loss Lives	99	-5.000	6.417	0.500	2.537
Risky Choices Gist Loss Lives	99	0.000	1.000	0.656	0.333
Signed Confidence Gist Loss Lives	99	-5.000	5.000	1.156	2.459
Risky Choices Mixed Loss Lives	99	0.000	1.000	0.558	0.369
Signed Confidence Mixed Loss Lives	99	-6.200	9.250	0.464	3.005
Risky Choices Verbatim Loss Lives	97	0.000	1.000	0.491	0.424
Signed Confidence Verbatim Loss Lives	97	-5.000	5.000	-0.120	3.089
Risky Choices Loss Money	99	0.000	1.000	0.603	0.307
Signed Confidence Loss Money	99	-5.000	5.000	0.874	2.508
Risky Choices Gist Loss Money	99	0.000	1.000	0.706	0.296
Signed Confidence Gist Loss Money	99	-5.000	5.000	1.692	2.481
Risky Choices Mixed Loss Money	98	0.000	1.000	0.589	0.367
Signed Confidence Mixed Loss Money	98	-5.000	5.000	0.720	2.902
Risky Choices Verbatim Loss Money	99	0.000	1.000	0.510	0.363
Signed Confidence Verbatim Loss Money	99	-5.000	5.000	0.184	2.907
Framing Index	99	-0.242	0.925	0.231	0.221
Signed Confidence Framing Index	99	-1.133	7.631	1.966	1.782
Framing Index Gist	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist	99	-3.000	9.600	3.448	2.837
Framing Index Mixed	99	-0.625	0.875	0.209	0.268
Signed Confidence Framing Index Mixed	99	-4.500	7.442	1.727	2.070
Framing Index Verbatim	99	-0.800	0.900	0.069	0.308
Signed Confidence Framing Index Verbatim	99	-6.100	8.900	0.646	2.717
Framing Index Lives	99	-0.200	1.000	0.250	0.255
Signed Confidence Framing Index Lives	99	-1.933	9.867	1.966	1.967
Framing Index Gist Lives	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist Lives	99	-3.000	9.600	3.448	2.837
Framing Index Mixed Lives	99	-0.750	1.000	0.225	0.323

Signed Confidence Framing Index Mixed Lives	99	-5.250	9.600	1.790	2.540
Framing Index Verbatim Lives	97	-0.800	1.000	0.071	0.409
Signed Confidence Framing Index Verbatim Lives	97	-6.200	10.000	0.561	3.053
Framing Index Money	99	-0.317	0.917	0.227	0.249
Signed Confidence Framing Index Money	99	-2.617	7.983	1.967	2.245
Framing Index Gist Money	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist Money	99	-3.000	9.600	3.448	2.837
Framing Index Mixed Money	98	-0.750	0.800	0.201	0.328
Signed Confidence Mixed Money	98	-5.550	8.400	1.706	2.583
Framing Index Verbatim Money	99	-1.000	1.000	0.067	0.346
Signed Confidence Framing Index Verbatim Money	99	-7.800	9.000	0.778	3.562

---

Table 6

*Summary Statistics for Framing Variables in the MRI Subsample (N = 32)*

	N	Min.	Max.	<i>M</i>	<i>SD</i>
Risky Choices	32	0.017	0.817	0.464	0.186
Signed Confidence	32	-4.383	3.083	-0.357	1.571
Risky Choices Lives	32	0.000	0.933	0.430	0.252
Signed Confidence Lives	32	-4.600	3.300	-0.645	2.036
Risky Choices Money	32	0.033	0.800	0.499	0.202
Signed Confidence Money	32	-4.167	3.000	-0.070	1.757
Risky Choices Gain	32	0.033	0.700	0.323	0.176
Signed Confidence Gain	32	-4.300	1.633	-1.513	1.514
Risky Choices Gist Gain	32	0.000	0.700	0.206	0.203
Signed Confidence Gist Gain	32	-4.700	1.800	-2.526	1.693
Risky Choices Mixed Gain	32	0.000	0.800	0.329	0.235
Signed Confidence Mixed Gain	32	-4.800	2.600	-1.398	2.022
Risky Choices Verbatim Gain	32	0.100	0.800	0.434	0.216
Signed Confidence Verbatim Gain	32	-3.800	2.500	-0.616	1.783
Risky Choices Gain lives	32	0.000	0.933	0.280	0.265
Signed Confidence Gain Lives	32	-5.000	3.333	-1.789	2.211
Risky Choices Gist Gain Lives	32	0.000	0.800	0.185	0.267
Signed Confidence Gist Gain Lives	32	-5.000	2.600	-2.651	2.245
Risky Choices Mixed Gain Lives	32	0.000	1.000	0.270	0.323
Signed Confidence Mixed Gain Lives	32	-5.000	4.400	-1.756	2.643
Risky Choices Verbatim Gain Lives	32	0.000	1.000	0.386	0.299
Signed Confidence Verbatim Gain Lives	32	-5.000	4.400	-0.961	2.367
Risky Choices Gain Money	32	0.000	0.733	0.365	0.203
Signed Confidence Gain Money	32	-4.800	1.933	-1.238	1.813
Risky Choices Gist Gain Money	32	0.000	0.600	0.227	0.214
Signed Confidence Gist Gain Money	32	-5.000	1.200	-2.402	1.852
Risky Choices Mixed Gain Money	32	0.000	1.000	0.388	0.276
Signed Confidence Mixed Gain Money	32	-5.000	3.800	-1.041	2.428
Risky Choices Verbatim Gain Money	32	0.000	1.000	0.481	0.304
Signed Confidence Verbatim Gain Money	32	-5.000	4.200	-0.271	2.655
Risky Choices Loss	32	0.000	1.000	0.606	0.250
Signed Confidence Loss	32	-4.467	4.933	0.799	2.037
Risky Choices Gist Loss	32	0.000	1.000	0.744	0.264
Signed Confidence Gist Loss	32	-4.300	5.000	1.866	2.080
Risky Choices Mixed Loss	32	0.000	1.000	0.588	0.284
Signed Confidence Mixed Loss	32	-4.700	4.800	0.632	2.267

Risky Choices Verbatim Loss	32	0.000	1.000	0.485	0.314
Signed Confidence Verbatim Loss	32	-4.400	5.000	-0.100	2.469
Risky Choices Loss Lives	32	0.000	1.000	0.579	0.310
Signed Confidence Loss Lives	32	-4.467	4.867	0.500	2.400
Risky Choices Gist Loss Lives	32	0.000	1.000	0.702	0.332
Signed Confidence Gist Loss Lives	32	-4.400	5.000	1.403	2.561
Risky Choices Mixed Loss Lives	32	0.000	1.000	0.547	0.358
Signed Confidence Mixed Loss Lives	32	-4.600	4.600	0.292	2.608
Risky Choices Verbatim Loss Lives	32	0.000	1.000	0.488	0.372
Signed Confidence Verbatim Loss Lives	32	-4.800	5.000	-0.195	2.786
Risky Choices Loss Money	32	0.000	1.000	0.633	0.266
Signed Confidence Loss Money	32	-4.467	5.000	1.099	2.223
Risky Choices Gist Loss Money	32	0.000	1.000	0.786	0.273
Signed Confidence Gist Loss Money	32	-4.200	5.000	2.330	2.228
Risky Choices Mixed Loss Money	32	0.000	1.000	0.630	0.333
Signed Confidence Mixed Loss Money	32	-4.800	5.000	0.971	2.705
Risky Choices Verbatim Loss Money	32	0.000	1.000	0.483	0.352
Signed Confidence Verbatim Loss Money	32	-4.400	5.000	-0.005	2.870
Framing Index	32	-0.850	0.208	-0.290	0.217
Signed Confidence Framing Index	32	-1.133	6.933	2.313	1.738
Framing Index Gist	32	-1.000	0.000	-0.559	0.301
Signed Confidence Framing Index Gist	32	0.000	8.000	4.392	2.198
Framing Index Mixed	32	-0.875	0.625	-0.260	0.277
Signed Confidence Framing Index Mixed	32	-4.500	6.175	2.030	2.094
Framing Index Verbatim	32	-0.700	0.800	-0.052	0.350
Signed Confidence Framing Index Verbatim	32	-6.100	7.000	0.516	2.734
Framing Index Lives	32	-1.000	0.200	-0.299	0.281
Signed Confidence Framing Index Lives	32	-9.867	0.867	-2.289	2.173
Framing Index Gist Lives	32	-1.000	0.000	-0.559	0.301
Signed Confidence Framing Index Gist Lives	32	-0.600	10.000	4.053	2.617
Framing Index Mixed Lives	32	-1.000	0.750	-0.277	0.362
Signed Confidence Framing Index Mixed Lives	32	-5.250	9.600	2.048	2.717
Framing Index Verbatim Lives	32	-1.000	0.600	-0.102	0.396
Signed Confidence Framing Index Verbatim Lives	32	-4.400	10.000	0.766	2.969
Framing Index Money	32	-0.833	0.233	-0.268	0.246
Signed Confidence Framing Index Money	32	-6.850	1.650	-2.337	2.029
Framing Index Gist Money	32	-1.000	0.000	-0.559	0.301
Signed Confidence Framing Index Gist Money	32	-0.400	9.400	4.731	2.556

Framing Index Mixed Money	32	-0.800	0.500	-0.242	0.341
Signed Confidence Mixed Money	32	-3.750	5.800	2.012	2.643
Framing Index Verbatim Money	32	-0.800	1.000	-0.002	0.400
Signed Confidence Framing Index Verbatim Money	32	-7.800	7.150	0.267	3.322

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Table 7

*fMRI Results for Framing > No Framing (All Truncation Conditions)*

Atlas	Lobe	H	Region	Voxels	Peak <i>t</i>	<i>p</i> (FWE, cluster)	<i>p</i> (FWE, peak)	Peak MNI Coordinates		
								X	Y	Z
Harvard-Oxford	Parietal	R	Precuneous Cortex	166	4.26	.011*	.172	6	-46	62
Harvard-Oxford	Parietal	L	Superior Parietal Lobule	99	3.99	.034*	.232	-24	-38	48
Harvard-Oxford	Parietal	R	Superior Parietal Lobule	125	4.33	.020*	.117	40	-38	54
Harvard-Oxford	Parietal	L	Supramarginal Gyrus (Anterior)	80	4.05	.046*	.180	-24	-36	36
Harvard-Oxford	Parietal	R	Supramarginal Gyrus (Posterior)	125	4.33	.022*	.133	40	-38	54
Harvard-Oxford	Sub-Cortical	L	Left Caudate	396	5.68	.000*	.001*	-18	0	28
Harvard-Oxford	Sub-Cortical	R	Right Caudate	98	4.74	.006*	.001*	18	0	28
SPM Anatomy	Sub-Cortical	R	Posterior Insula	22	4.16	.038*	.022*	40	-8	-12

*Note.* Observations from all three truncation conditions (i.e., 60 observations per participant) were included in this analysis. Only regions surviving FWE correction at the cluster level are reported. In each of the 12 conditions > 0, beta values were extracted from a 1mm-radius sphere centered on each peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. \*  $p < .05$  (FWE-corrected).

Table 8

*fMRI Results for Framing > No Framing (Truncation Conditions: Zero Risky Complement Presented and Both Risky Complements Presented)*

Atlas	H	Region	Voxels	Peak <i>t</i>	<i>p</i> (FWE, cluster)	<i>p</i> (FWE, peak)	Peak MNI coordinates		
							X	Y	Z
<u>Frontal</u>									
Harvard-Oxford	L	Frontal Pole	91	5.3	.123	.023*	-18	56	-4
PickAtlas (AAL)	R	Inferior Frontal Gyrus (Opercular)	16	4.21	.091	.032*	50	10	6
<u>Parietal</u>									
Harvard-Oxford	L	Angular Gyrus	116	4.52	.039*	.063	-32	-46	58
Harvard-Oxford	R	Angular Gyrus	158	4.7	.020*	.042*	60	-34	28
Harvard-Oxford	R	Angular Gyrus	91	5.6	0.06*	.005*	40	-38	52
Harvard-Oxford	L	Superior Parietal Lobule (Precuneus)	850	4.89	.000*	.026*	-18	-46	60
Harvard-Oxford	R	Superior Parietal Lobule	298	5.71	.003*	.004*	42	-36	50
Harvard-Oxford	L	Supramarginal Gyrus (Anterior)	678	4.77	.000*	.029*	-22	-42	52
Harvard-Oxford	R	Supramarginal Gyrus (Anterior)	509	4.89	.000*	.022*	60	-26	22
Harvard-Oxford	R	Supramarginal Gyrus (Anterior)	186	5.71	.011*	.003*	42	-36	50
Harvard-Oxford	R	Supramarginal Gyrus (Posterior)	385	4.74	.001*	.041*	58	-28	22
Harvard-Oxford	L	Supramarginal Gyrus (Posterior)	286	4.76	.004*	.040*	-32	-42	58
Harvard-Oxford	R	Supramarginal Gyrus (Posterior)	287	5.71	.004*	.004*	42	-36	50
PickAtlas (AAL)	L	Postcentral Gyrus	250	4.81	.004*	.021*	-26	-44	56
PickAtlas (AAL)	R	Postcentral Gyrus	171	5.31	.012*	.006*	48	-32	50
SPM Anatomy	L	Inferior Parietal Lobule	236	4.43	.006*	.064	-62	-26	30

SPM Anatomy	R	Inferior Parietal Lobule	32	4.77	.174	.029*	50	-34	50
SPM Anatomy	R	Inferior Parietal Lobule	418	4.88	.001	.022*	60	-24	24
SPM Anatomy	R	Intraparietal Sulcus	55	5.43	.042*	.002*	44	-38	52
<u>Sub-Cortical</u>									
Harvard-Oxford	L	Amygdala	5	3.86	.057	.030*	-34	0	-22
Harvard-Oxford	L	Left Caudate	110	4.7	.007*	.006*	-18	0	28
Harvard-Oxford	L	Left Putamen	59	4.17	.022*	.026*	-34	-6	4
Harvard-Oxford	R	Right Caudate	95	5.36	.010*	.001*	20	0	26
Harvard-Oxford	R	Right Putamen	29	3.96	.044*	.041*	34	-2	6

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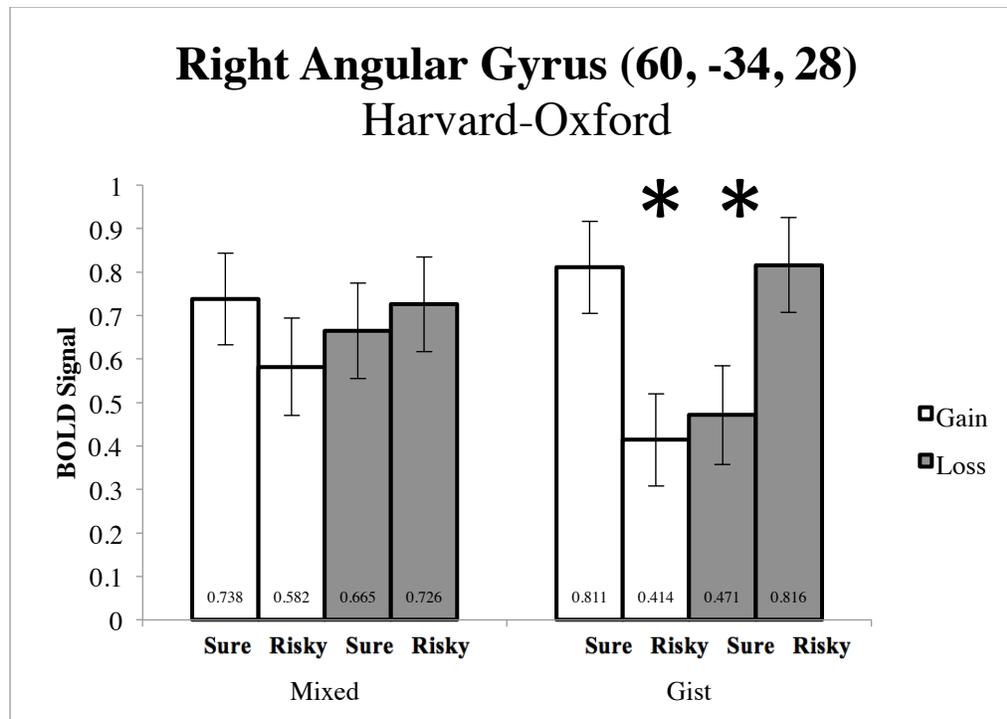
*Note.* Observations from two truncation conditions (i.e., zero risky complement presented and both risky complements presented; 40 observations per participant) were included in this analysis. These conditions were selected because they produced significant behavioral framing effects at the group level. Only regions surviving FWE correction at the cluster level are reported. In each of the 12 conditions > 0, beta values were extracted from a 1mm-radius sphere centered on each peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. H, hemisphere. N = 32. \*  $p < .05$  (FWE-corrected).

Table 9

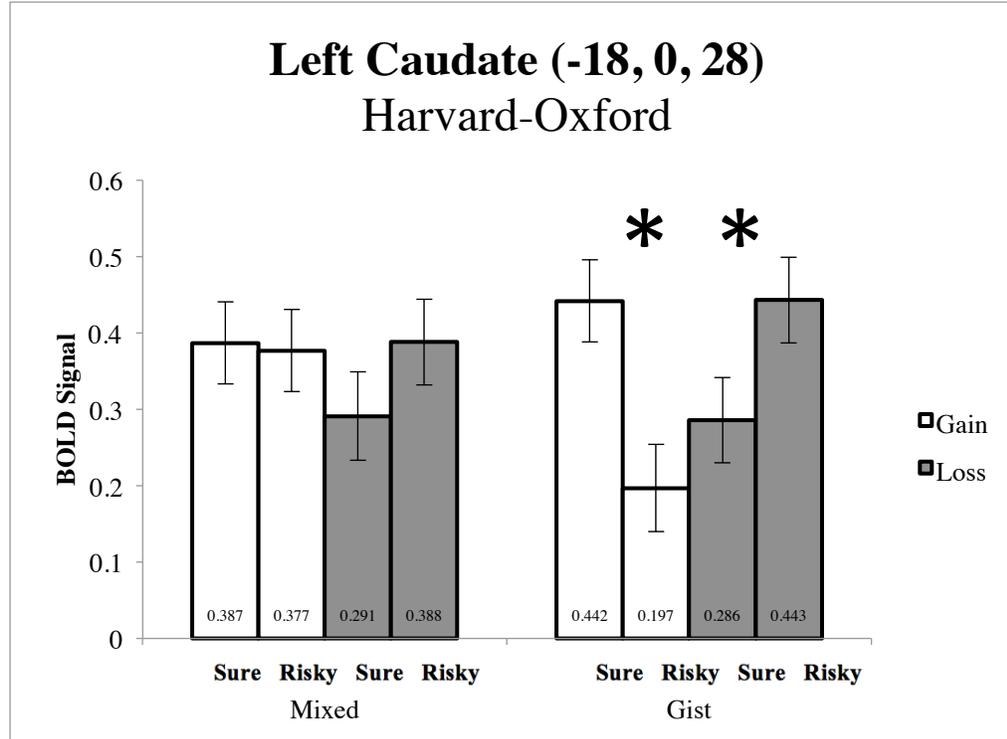
*fMRI Results for No Framing > Framing (All Truncation Conditions)*

Atlas	H	Region	Voxels	Peak <i>t</i>	<i>p</i> (FWE, cluster)	<i>p</i> (FWE, peak)	Peak MNI coordinates		
							X	Y	Z
<u>Frontal</u>									
Harvard-Oxford	R	Frontal Orbital Cortex	37	4.81	.137	.035*	34	24	0
<u>Sub-Cortical</u>									
Harvard-Oxford	R	Insular Cortex	37	4.81	.096	.023*	34	24	0
SPM Anatomy	L	Hippocampus	8	4.02	.097	.043*	-22	-36	-4

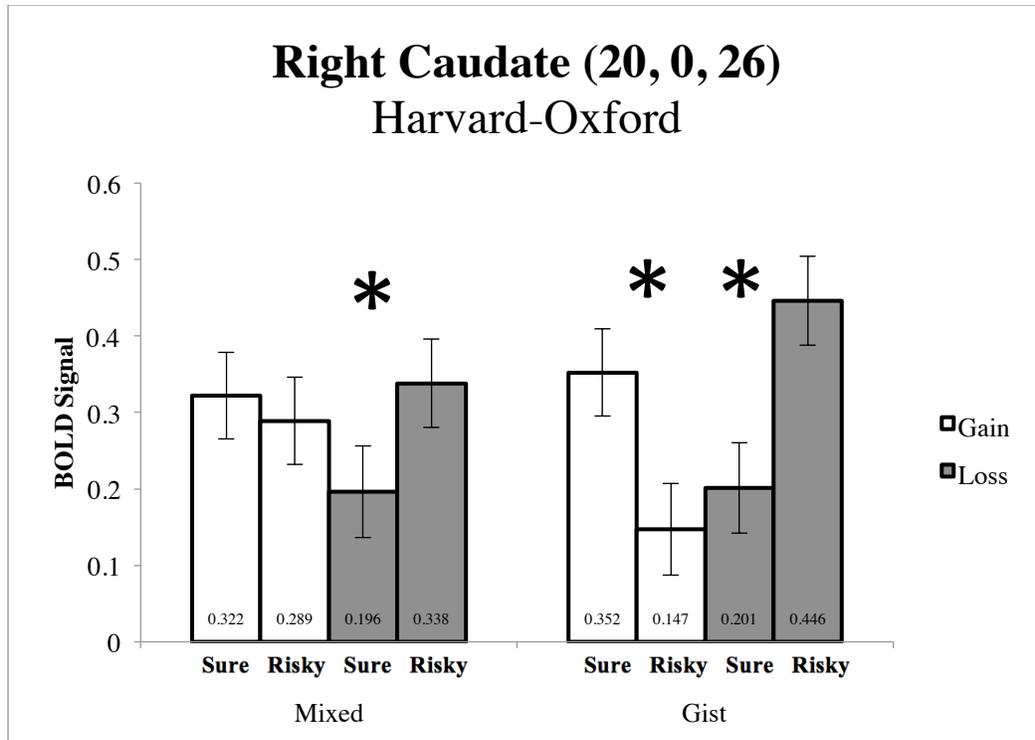
*Note.* Observations from all three truncation conditions (i.e., 60 observations per participant) were included in this analysis. Only regions surviving FWE correction at the peak level are reported. In each of the 12 conditions > 0, beta values were extracted from a 1mm-radius sphere centered on each peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. H, hemisphere. \*  $p < .05$  (FWE-corrected).



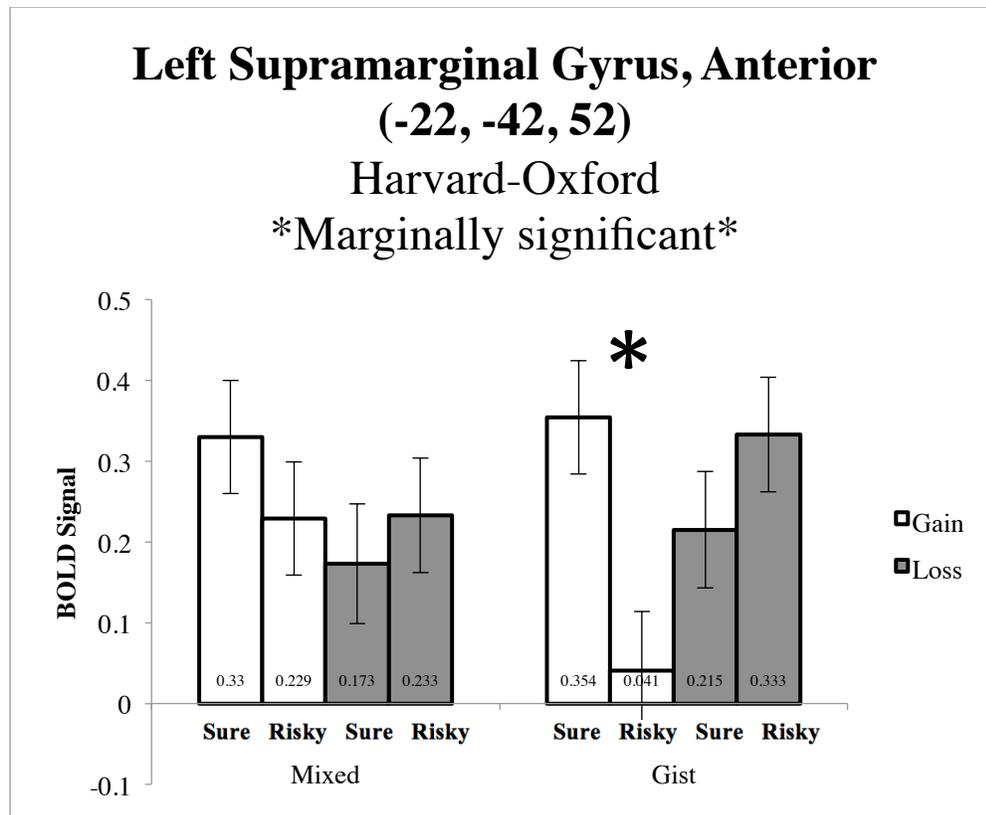
*Figure 4.* Three-way interaction between Frame, Truncation and Decision in the Right Angular Gyrus 60, -34, 28). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In the 8 Frame x Truncation x Decision conditions > 0 that produced significant behavioral framing effects (i.e., zero risky complement presented and both risky complements presented), beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero complement presented, both complements presented), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



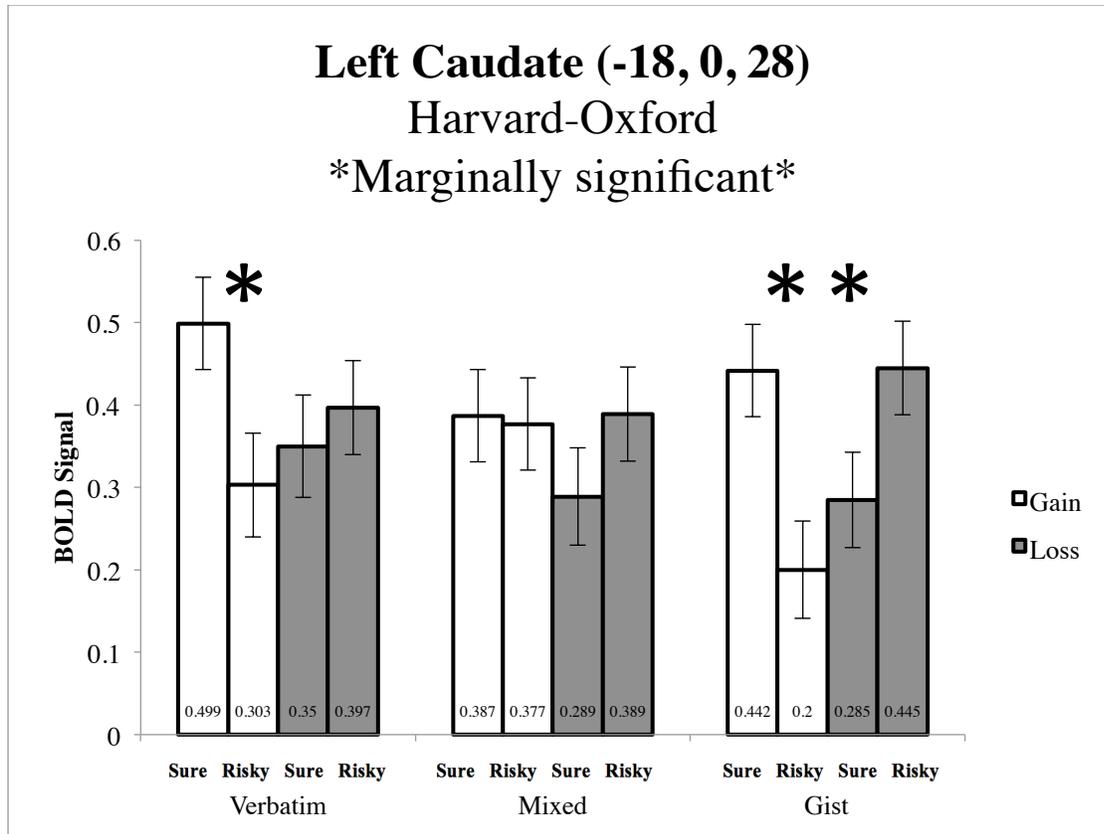
*Figure 5.* Three-way interaction between Frame, Truncation and Decision in the Left Caudate (-18, 0, 28). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In the 8 Frame x Truncation x Decision conditions > 0 that produced significant behavioral framing effects (i.e., zero risky complement presented and both risky complements presented), beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero complement presented, both complements presented), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



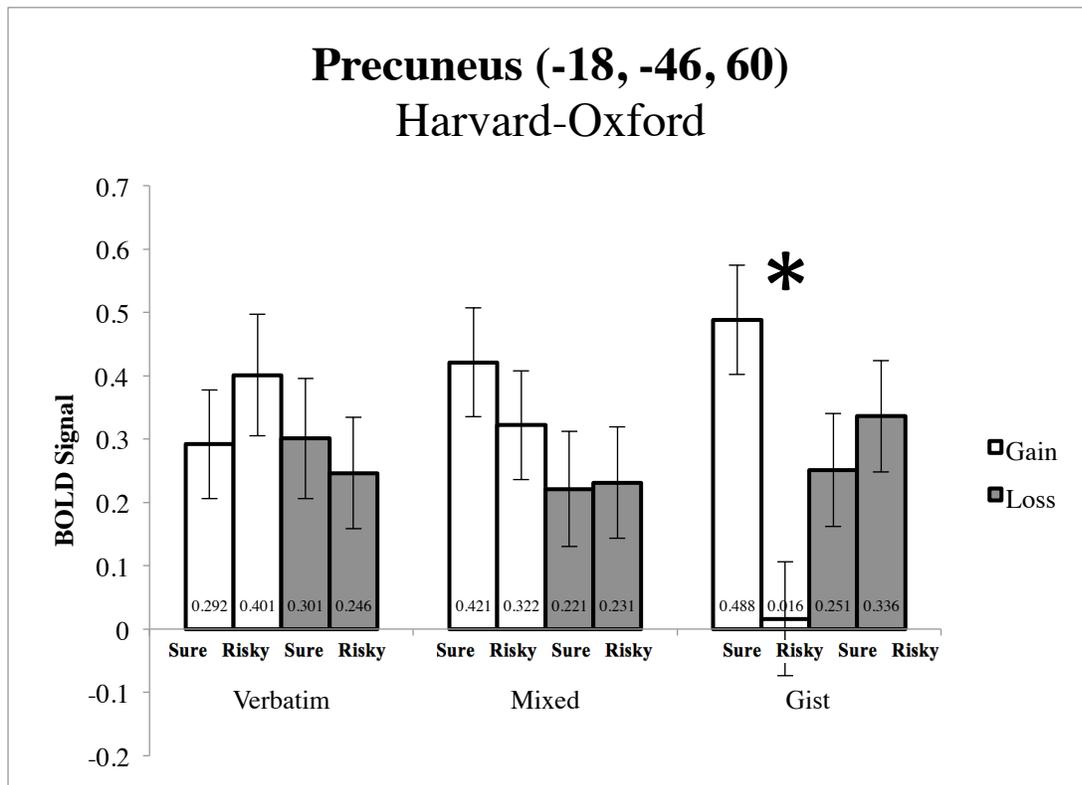
*Figure 6.* Three-way interaction between Frame, Truncation and Decision in the Right Caudate (20, 0, 26). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In the 8 Frame x Truncation x Decision conditions > 0 that produced significant behavioral framing effects (i.e., zero risky complement presented and both risky complements presented), beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero complement presented, both complements presented), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



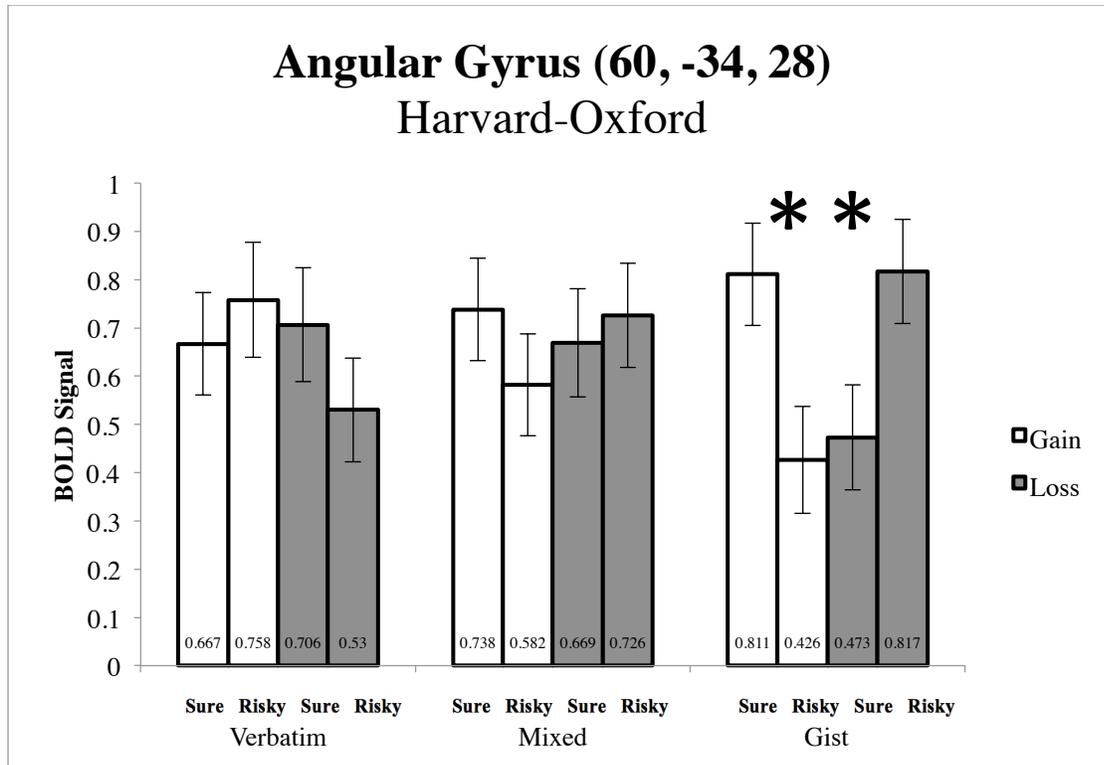
*Figure 7.* Three-way interaction between Frame, Truncation and Decision in the Left Anterior Supramarginal Gyrus (-22, -42, 52). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In the 8 Frame x Truncation x Decision conditions > 0 that produced significant behavioral framing effects (i.e., zero risky complement presented and both risky complements presented), beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero complement presented, both complements presented), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



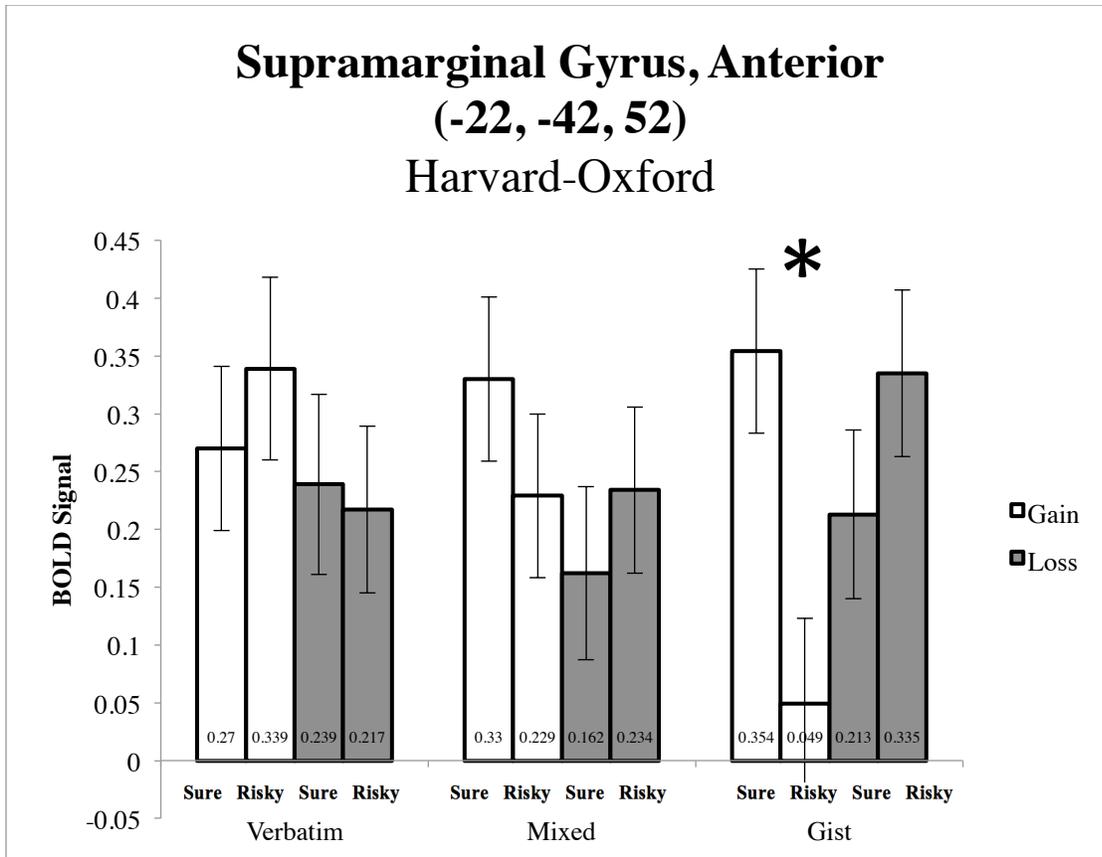
*Figure 8.* Three-way interaction between Frame, Truncation and Decision in the Left Caudate (-18, 0, 28). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing both when all truncation conditions were included in the analysis (i.e., 60 observations per participant), and when analyses were limited to the conditions when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a marginally significant three-way interaction between Frame, Truncation and Decision ( $p < .1$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



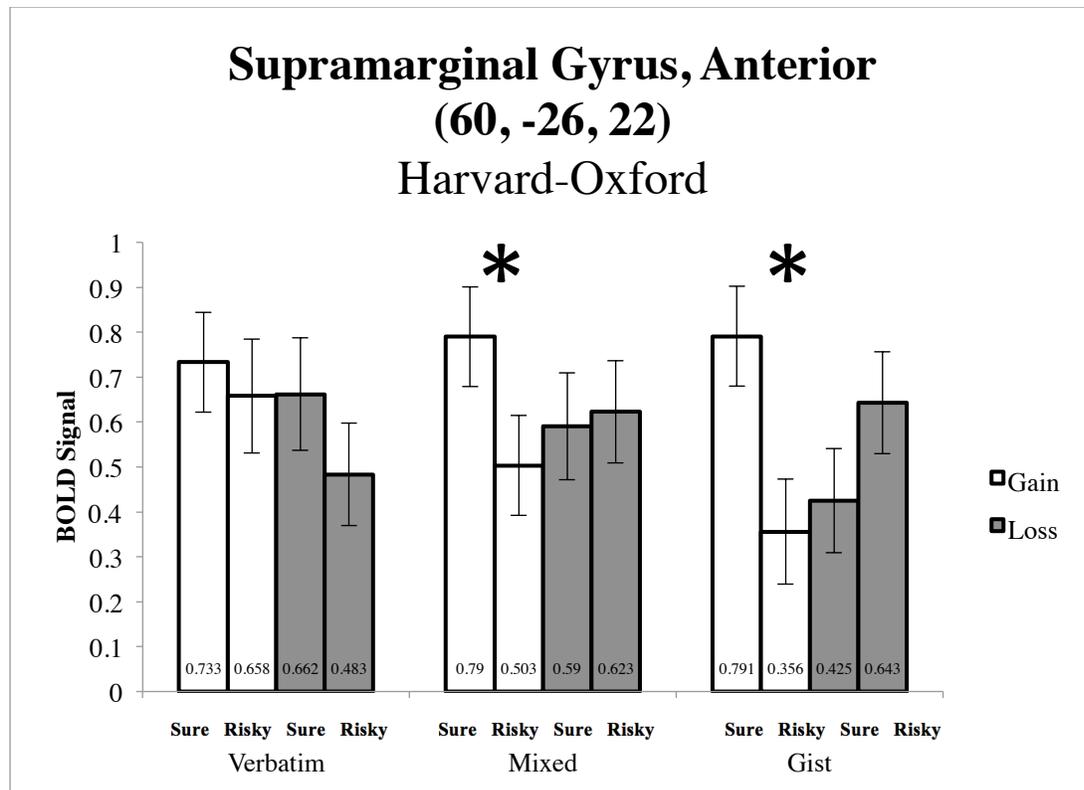
*Figure 9.* Three-way interaction between Frame, Truncation and Decision in the Right Precuneus (18, -46, 60). Activation in this peak survived correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



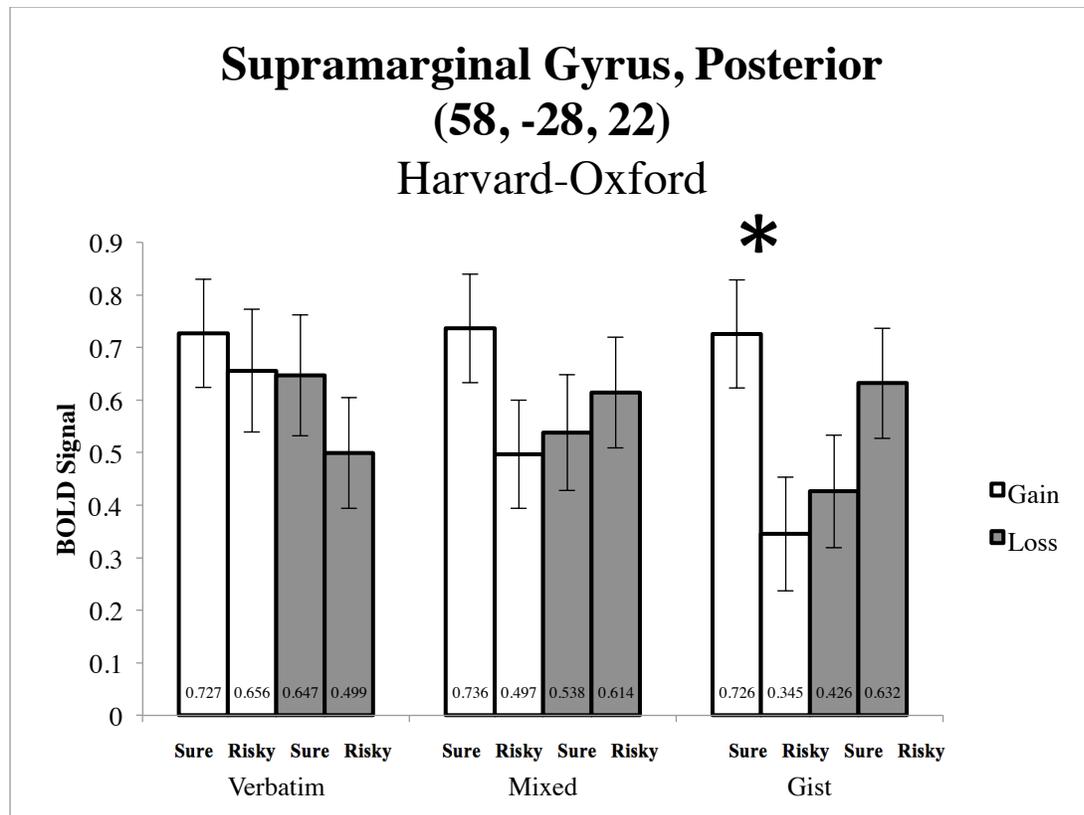
*Figure 10.* Three-way interaction between Frame, Truncation and Decision in the Right Angular Gyrus (60, -34, 28). Activation in this peak survived correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



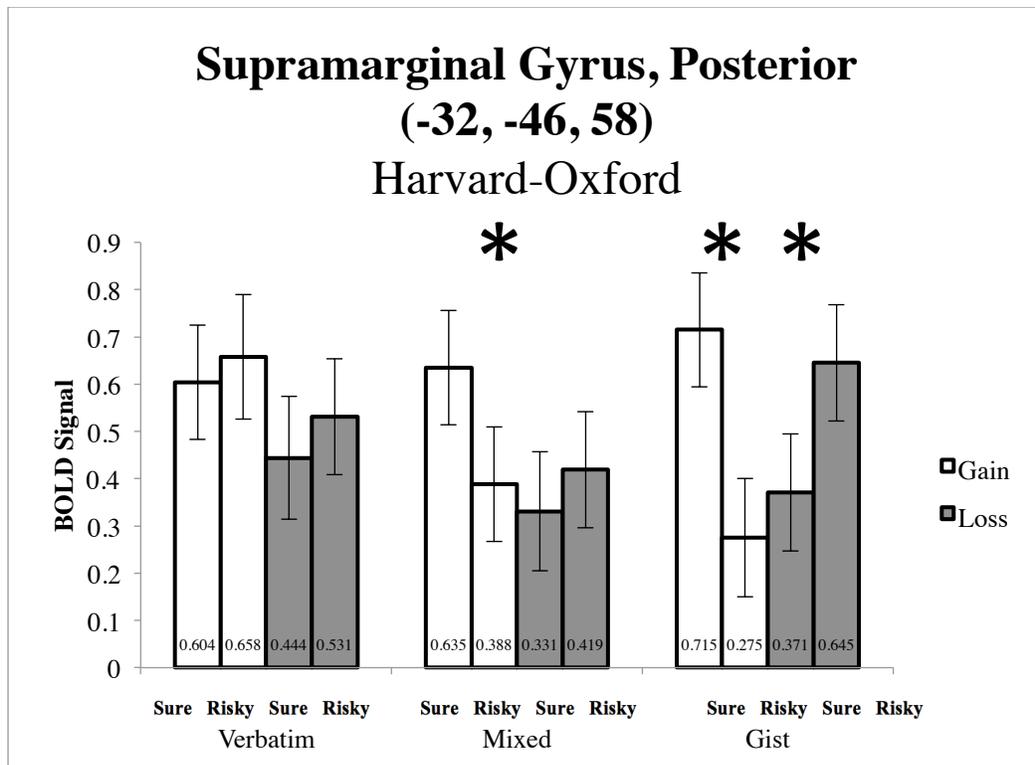
*Figure 11.* Three-way interaction between Frame, Truncation and Decision in the Left Anterior Supramarginal Gyrus (-22, -42, 52). Activation in this peak survived correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



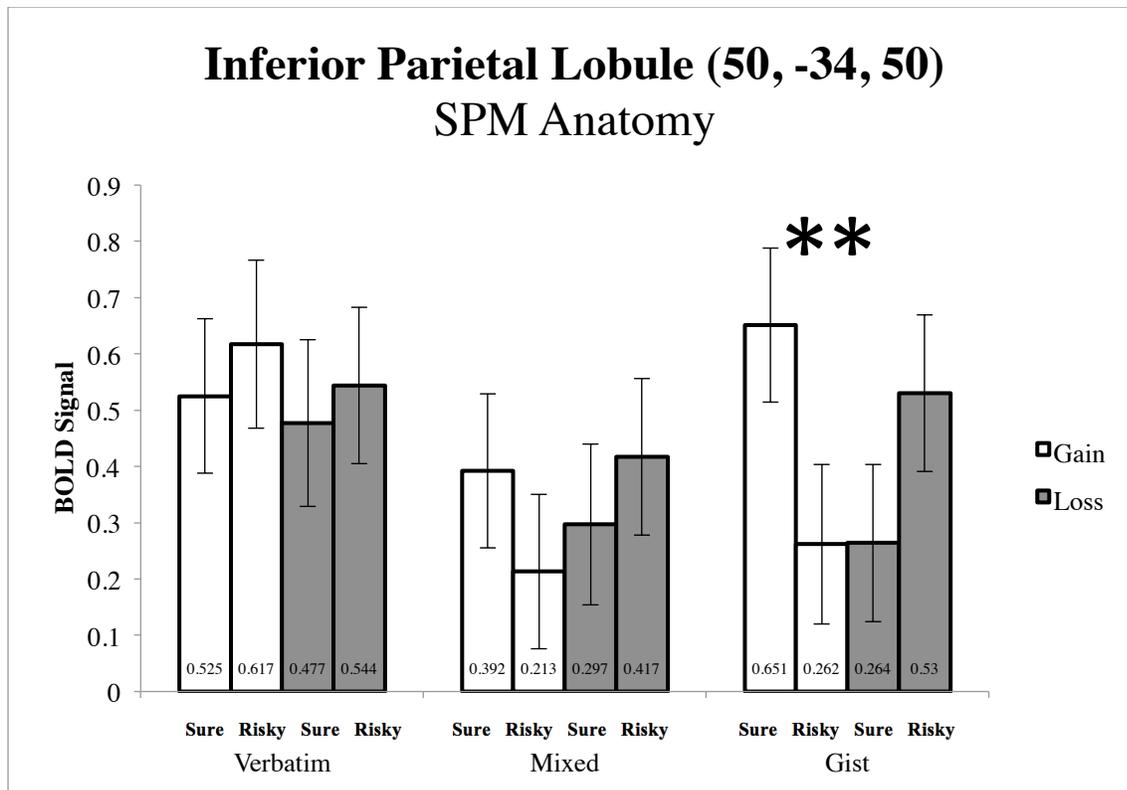
*Figure 12.* Three-way interaction between Frame, Truncation and Decision in the Right Anterior Supramarginal Gyrus (60, -26, 22). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



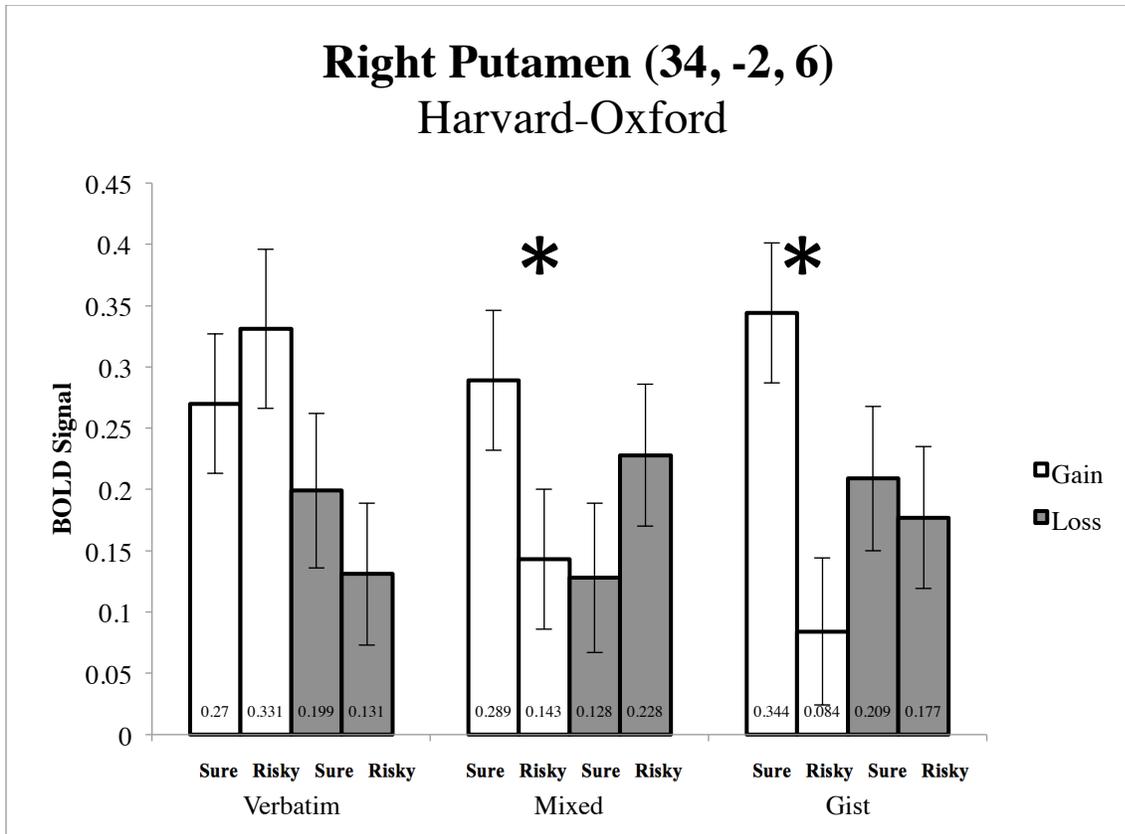
*Figure 13.* Three-way interaction between Frame, Truncation and Decision in the Right Posterior Supramarginal Gyrus (58, -28, 22). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



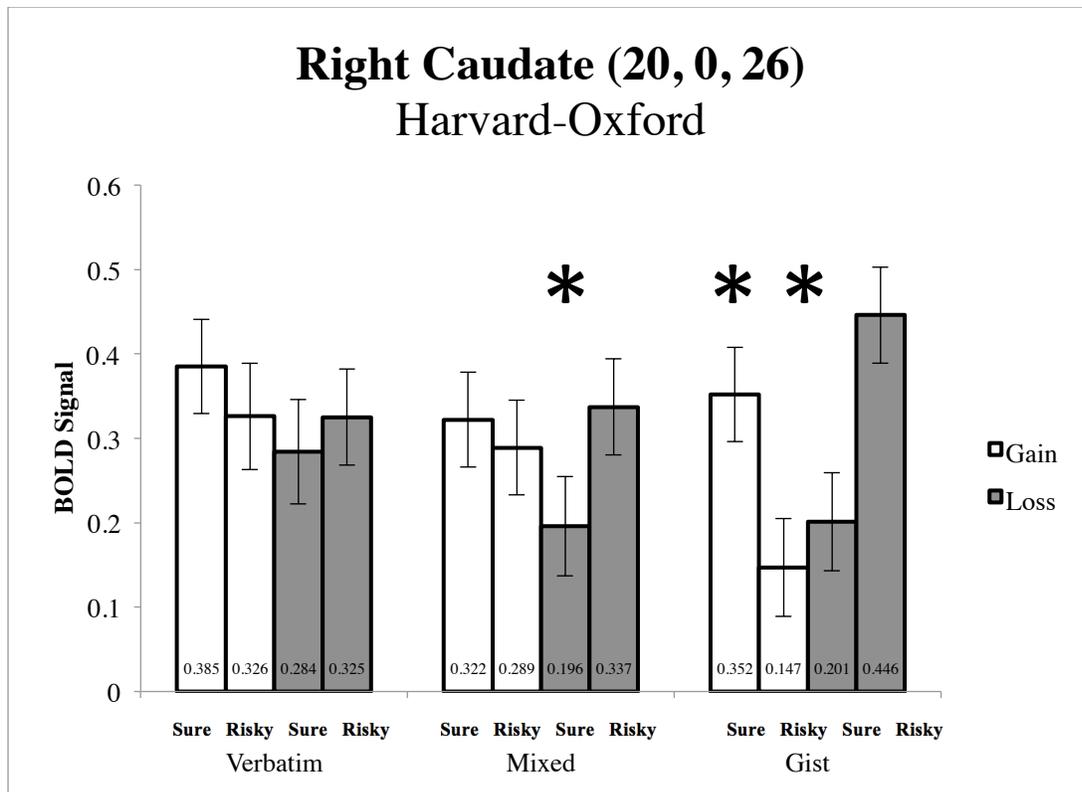
*Figure 14.* Three-way interaction between Frame, Truncation and Decision in the Left Posterior Supramarginal Gyrus (-32, -46, 58). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



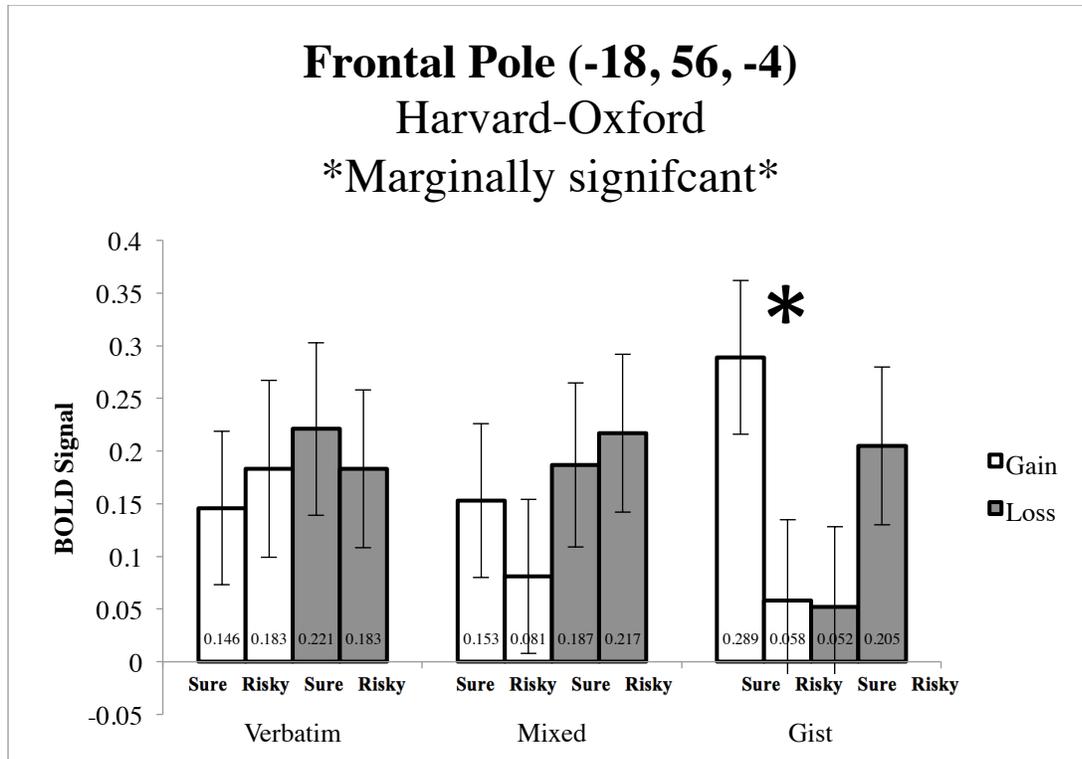
*Figure 15.* Three-way interaction between Frame, Truncation and Decision in the Right Inferior Parietal Lobule (50, -34, 50). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



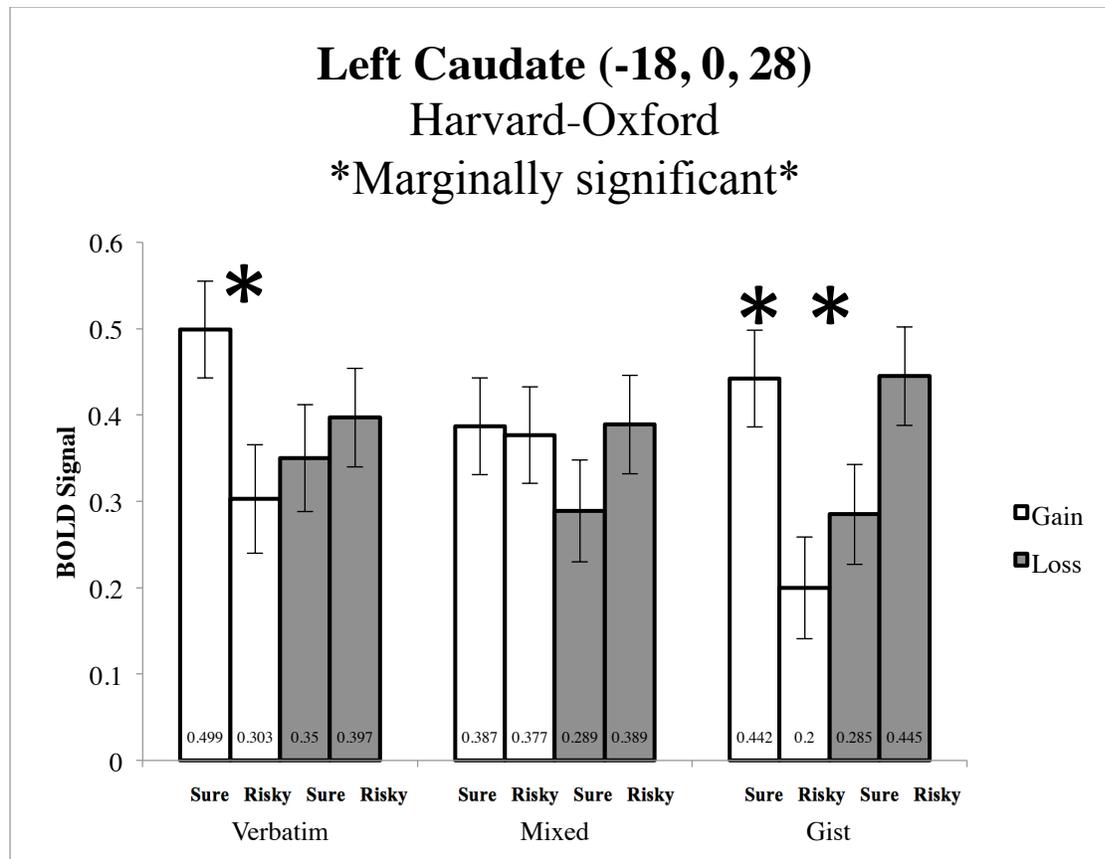
*Figure 16.* Three-way interaction between Frame, Truncation and Decision in the Right Putamen (34, -2, 6). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



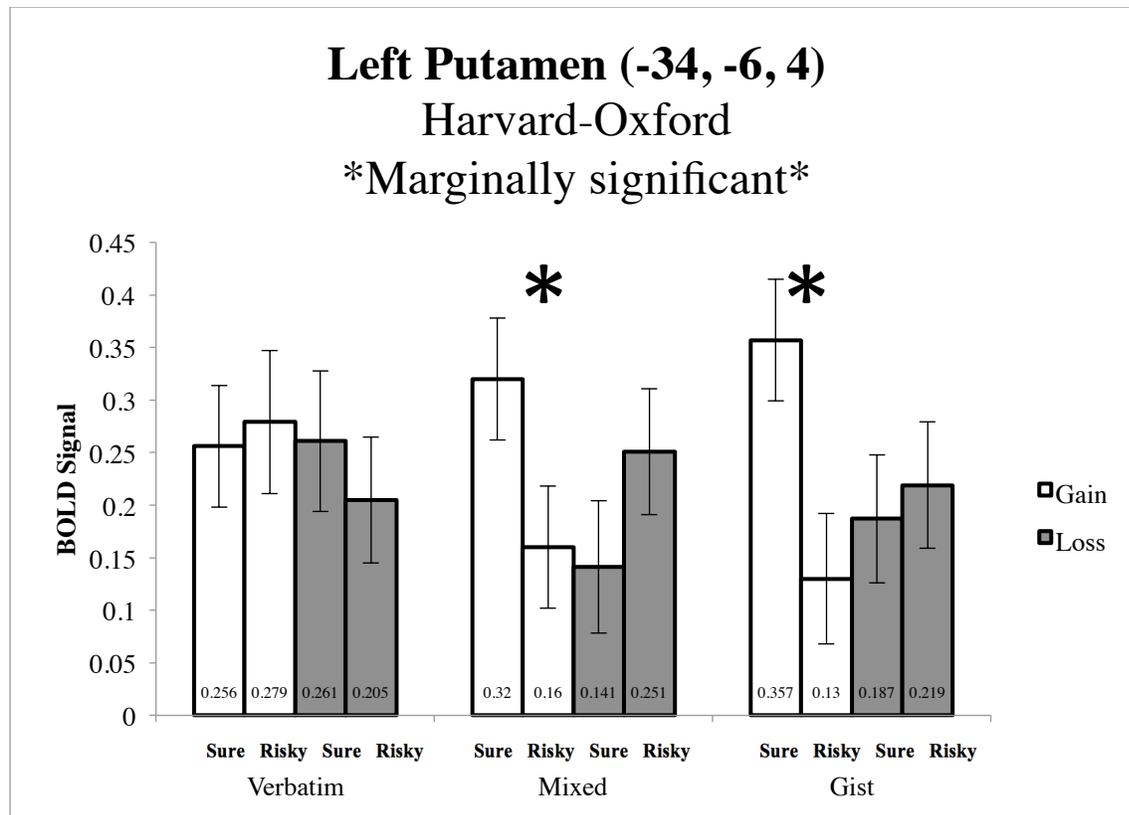
*Figure 17.* Three-way interaction between Frame, Truncation and Decision in the Right Caudate (20, 0, 26). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a significant three-way interaction between Frame, Truncation and Decision ( $p < .05$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



*Figure 18.* Three-way interaction between Frame, Truncation and Decision in the Left Frontal Pole (-18, 56, -4). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a marginally significant three-way interaction between Frame, Truncation and Decision ( $p < .1$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



*Figure 19.* Three-way interaction between Frame, Truncation and Decision in the Left Caudate (-18, 0, 28). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing both when all truncation conditions were included in the analysis (i.e., 60 observations per participant), and when analyses were limited to the conditions when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a marginally significant three-way interaction between Frame, Truncation and Decision ( $p < .1$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .



*Figure 20.* Three-way interaction between Frame, Truncation and Decision in the Left Putamen (-42, -6, 4). Activation in this peak survived cluster-level correction in the contrast Framing > No Framing when the zero risky complement and both risky complements were presented (i.e., the conditions that produced significant group-level framing effects; 40 observations per participant). In each of the 12 Frame x Truncation x Decision conditions > 0, beta values (i.e., contrast estimates) were extracted from a 1mm-radius sphere centered on this peak. The beta values were then input as the dependent variable in a linear mixed model with frame (gain/loss), truncation (zero, both, non-zero), and decision (sure/risky) as factors. The mixed model for this peak showed a marginally significant three-way interaction between Frame, Truncation and Decision ( $p < .1$ ). Error bars indicate SEM. Stars indicate pairwise comparisons significant at  $p < .05$ .

Table 10

*Psychophysiological Interaction Whole-Brain Results for Seed: Inferior Frontal Gyrus (50, 10, 6)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>8872</b>	<b>48</b>	<b>12</b>	<b>4</b>	<b>7.18</b>	<b>&lt; .001</b>
<b>Frontal</b>	R	Supplementary Motor Area	750					
	R	Precentral Gyrus	570					
	R	Inferior Frontal Operculum	563					
	L	Precentral Gyrus	545					
	L	Supplementary Motor Area	476					
	R	Superior Frontal Gyrus	460					
	R	Middle Frontal gyrus	440					
	L	Superior Frontal Gyrus	302					
	R	Rolandic Operculum	190					
	L	Middle Frontal Gyrus	144					
	L	Rolandic Operculum	64					
	R	Superior Medial Frontal Gyrus	40					
	R	Frontal Inferior Triangularis	13					
	L	Paracentral Lobule	1					
<b>Parietal</b>	L	Inferior Parietal	844					
	L	Postcentral Gyrus	821					
	L	Supramarginal Gyrus	561					
	L	Superior Parietal Lobule	320					
	L	Precuneus	217					
	R	Postcentral Gyrus	18					
	L	Angular Gyrus	5					

<b>Temporal</b>	L	Superior Temporal Gyrus	118					
	L	Middle Temporal Gyrus	34					
	R	Superior Temporal Pole	3					
<b>Occipital</b>	L	Superior Occipital	1					
<b>Subcortical</b>	R	Middle Cingulum	324					
	L	Middle Cingulum	179					
	R	Anterior Cingulum	156					
	L	Anterior Cingulum	102					
	R	Insula	45					
<b>Cluster 2</b>			<b>2663</b>	<b>56</b>	<b>-18</b>	<b>34</b>	<b>5.71</b>	<b>&lt; .001</b>
<b>Frontal</b>	R	Rolandic Operculum	100					
<b>Parietal</b>	R	Supramarginal Gyrus	623					
	R	Postcentral Gyrus	368					
	R	Superior Parietal Lobule	324					
	R	Precuneus	282					
	R	Inferior Parietal Lobule	274					
	R	Angular Gyrus	219					
<b>Temporal</b>	R	Superior Temporal Gyrus	4					
<b>Occipital</b>	R	Superior Occipital	127					
	R	Cuneus	39					
	R	Middle Occipital	28					
<b>Cluster 3</b>			<b>604</b>	<b>-52</b>	<b>8</b>	<b>14</b>	<b>5.59</b>	<b>&lt; .001</b>
<b>Frontal</b>	L	Frontal Inferior Operculum	277					
	L	Precentral Gyrus	272					
	L	Rolandic Operculum	36					
	L	Frontal Inferior Triangularis	9					
<b>Parietal</b>	L	Postcentral Gyrus	8					

<b>Cluster 4</b>			<b>440</b>	<b>-14</b>	<b>-28</b>	<b>-8</b>	<b>5.53</b>	<b>&lt; .001</b>
<b>Temporal</b>	L	Parahippocampal Gyrus	26					
	L	Hippocampus	24					
<b>Occipital</b>	L	Lingual Gyrus	11					
<b>Subcortical</b>	R	Thalamus	51					
	L	Thalamus	32					
<b>Cerebellum</b>	L	Cerebellum 4, 5	2					
<b>Cluster 5</b>			<b>348</b>	<b>-38</b>	<b>48</b>	<b>20</b>	<b>5.17</b>	<b>&lt; .001</b>
<b>Frontal</b>	L	Middle Frontal Gyrus	299					
	L	Frontal Inferior Triangularis	40					
	L	Superior Frontal Gyrus	8					
<b>Cluster 6</b>			<b>664</b>	<b>-22</b>	<b>-70</b>	<b>-26</b>	<b>5.06</b>	<b>&lt; .001</b>
<b>Cerebellum</b>	L	Cerebellum Crus 1	395					
	L	Cerebellum 6	212					
	L	Cerebellum Crus 2	45					
		Vermis 7	7					
		Vermis 6	2					
	L	Cerebellum 4, 5	1					
<b>Cluster 7</b>			<b>608</b>	<b>34</b>	<b>40</b>	<b>20</b>	<b>5.03</b>	<b>&lt; .001</b>
<b>Frontal</b>	R	Middle Frontal Gyrus	418					
	R	Superior Frontal Gyrus	59					
	R	Inferior Frontal Triangularis	54					
<b>Cluster 9</b>			<b>120</b>	<b>-20</b>	<b>-78</b>	<b>18</b>	<b>4.58</b>	<b>.043</b>
<b>Occipital</b>	L	Superior Occipital	64					

	L	Middle Occipital	32					
	L	Cuneus	1					
<b>Cluster 10</b>			<b>224</b>	<b>-50</b>	<b>-64</b>	<b>-16</b>	<b>4.51</b>	<b>.002</b>
<b>Temporal</b>	L	Inferior Temporal	67					
	L	Middle Temporal	22					
	L	Fusiform Gyrus	3					
<b>Occipital</b>	L	Inferior Occipital	104					
	L	Middle Occipital	28					

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Table 11

*Psychophysiological Interaction Whole-Brain Results for Seed: Angular Gyrus (60, -34, 28)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>7638</b>	<b>-58</b>	<b>-34</b>	<b>38</b>	<b>7.26</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	487					
	R	Precentral Gyrus	462					
	L	Superior Frontal Gyrus	277					
	R	Rolandic Operculum	265					
	R	Superior Frontal Gyrus	255					
	R	Supplementary Motor Area	248					
	R	Middle Frontal Gyrus	184					
	R	Inferior Frontal Operculum	174					
	L	Supplementary Motor Area	151					
	L	Middle Frontal Gyrus	143					
Parietal	L	Rolandic Operculum	33					
	L	Inferior Parietal Lobule	972					
	L	Postcentral Gyrus	831					
	L	Supramarginal Gyrus	746					
	L	Superior Parietal Lobule	19					
	R	Postcentral Gyrus	11					
	L	Angular Gyrus	5					
Temporal	L	Superior Temporal Gyrus	138					
	R	Superior Temporal Pole	32					
	R	Superior Temporal Gyrus	2					

Subcortical	R	Middle Cingulum	416					
	R	Insula	365					
	L	Middle Cingulum	302					
	L	Anterior Cingulum	83					
	R	Anterior Cingulum	52					
	R	Putamen	12					
<b>Cluster 2</b>			<b>1912</b>	<b>64</b>	<b>-34</b>	<b>26</b>	<b>6.72</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	61					
Parietal	R	Supramarginal Gyrus	787					
	R	Postcentral Gyrus	288					
	R	Precuneus	279					
	R	Inferior Parietal Lobule	55					
	R	Superior Parietal Lobule	48					
	R	Angular Gyrus	34					
Temporal	R	Superior Temporal	70					
Occipital	R	Superior Occipital	110					
	R	Cuneus	51					
	R	Middle Occipital	2					
<b>Cluster 3</b>			<b>490</b>	<b>-40</b>	<b>36</b>	<b>24</b>	<b>5.04</b>	<b>&lt; .001</b>
Frontal	L	Middle Frontal Gyrus	351					
	L	Inferior Frontal Triangularis	135					
<b>Cluster 4</b>			<b>936</b>	<b>-44</b>	<b>-4</b>	<b>2</b>	<b>6.06</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	390					
	L	Rolandic Operculum	184					
	L	Inferior Frontal Operculum	54					

Parietal	L	Postcentral Gyrus	43					
Temporal	L	Superior Temporal	23					
Subcortical	L	Insula	215					
<b>Cluster 5</b>			<b>513</b>	<b>-14</b>	<b>-10</b>	<b>0</b>	<b>5.75</b>	<b>&lt; .001</b>
Subcortical	L	Thalamus	236					
	L	Pallidum	62					
<b>Cluster 6</b>			<b>558</b>	<b>-54</b>	<b>-66</b>	<b>4</b>	<b>5.63</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	201					
	L	Inferior Temporal Gyrus	32					
	L	Fusiform Gyrus	26					
Occipital	L	Inferior Occipital Gyrus	141					
	L	Middle Occipital Gyrus	130					
Cerebellum	L	Cerebellum Crus 1	13					
<b>Cluster 7</b>			<b>499</b>	<b>-10</b>	<b>-68</b>	<b>44</b>	<b>4.9</b>	<b>&lt; .001</b>
Parietal	L	Superior Parietal Lobule	201					
	L	Inferior Parietal Lobule	11					
Occipital	L	Precuneus	228					
	L	Superior Occipital Gyrus	39					
	L	Middle Occipital Gyrus	13					
	L	Cuneus	2					
<b>Cluster 8</b>			<b>229</b>	<b>-30</b>	<b>14</b>	<b>8</b>	<b>4.78</b>	<b>0.002</b>
Frontal	L	Inferior Frontal Triangularis	2					
	L	Inferior Frontal Operculum	1					
Subcortical	L	Insula	171					

	L	Putamen	13						
<b>Cluster 9</b>			<b>258</b>	<b>18</b>	<b>-14</b>	<b>0</b>	<b>4.46</b>	<b>0.001</b>	
Subcortical	R	Thalamus	95						
	R	Pallidum	71						
	R	Putamen	34						

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Table 12

*Psychophysiological Interaction Whole-Brain Results for Seed: Precuneus (-18, -46, 60)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>9578</b>	<b>-20</b>	<b>-2</b>	<b>54</b>	<b>7.17</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	873					
	L	Supplementary Motor Area	574					
	R	Supplementary Motor Area	528					
	R	Superior Frontal Gyrus	482					
	R	Precentral Gyrus	455					
	L	Superior Frontal Gyrus	356					
	R	Middle Frontal Gyrus	284					
	L	Middle Frontal Gyrus	244					
	L	Inferior Parietal Lobule	1013					
	L	Superior Medial Frontal Gyrus	14					
	R	Superior Medial Frontal Gyrus	1					
	L	Paracentral Lobule	2					
Parietal	L	Postcentral Gyrus	889					
	L	Superior Parietal Lobule	543					
	L	Supramarginal Gyrus	400					
	L	Precuneus	216					
Temporal	L	Superior Temporal	49					
Occipital	L	Superior Occipital	149					
	L	Cuneus	33					

Subcortical	L	Middle Cingulum	486					
	R	Middle Cingulum	459					
	L	Anterior Cingulum	107					
	L	Middle Occipital	56					
	R	Anterior Cingulum	3					
<b>Cluster 2</b>			<b>2854</b>	<b>42</b>	<b>-36</b>	<b>42</b>	<b>6.19</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	128					
Parietal	R	Superior Parietal Lobule	556					
	R	Postcentral Gyrus	548					
	R	Supramarginal Gyrus	384					
	R	Inferior Parietal Lobule	350					
	R	Angular Gyrus	162					
	R	Superior Occipital Lobule	129					
Temporal	R	Precuneus	94					
	R	Superior Temporal	7					
Occipital	R	Middle Occipital	48					
	R	Cuneus	16					
<b>Cluster 3</b>			<b>801</b>	<b>-50</b>	<b>4</b>	<b>28</b>	<b>5.83</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	365					
	L	Inferior Frontal Operculum	50					
	L	Rolandic Operculum	32					
Parietal	L	Postcentral Gyrus	14					
Subcortical	L	Insula	227					
	L	Putamen	51					
<b>Cluster 4</b>			<b>441</b>	<b>-12</b>	<b>-12</b>	<b>-4</b>	<b>5.77</b>	<b>&lt; .001</b>

Subcortical	L	Thalamus	139					
	L	Pallidum	62					
<b>Cluster 5</b>			<b>786</b>	<b>-50</b>	<b>-70</b>	<b>4</b>	<b>5.7</b>	<b>&lt; .001</b>
Temporal	L	Inferior Temporal	99					
	L	Fusiform Gyrus	30					
Occipital	L	Middle Occipital	262					
	L	Inferior Occipital	176					
	L	Middle Temporal	175					
Cerebellum	L	Cerebellum Crus 1	4					
<b>Cluster 6</b>			<b>377</b>	<b>60</b>	<b>10</b>	<b>26</b>	<b>5.46</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	205					
	R	Inferior Frontal Operculum	147					
	R	Rolandic Operculum	22					
	R	Inferior Frontal Triangularis	1					
Parietal	R	Postcentral Gyrus	2					
<b>Cluster 7</b>			<b>323</b>	<b>18</b>	<b>-56</b>	<b>-22</b>	<b>4.83</b>	<b>&lt; .001</b>
Cerebellum	R	Cerebellum 6	208					
	R	Cerebellum 4, 5	59					
		Vermis 6	40					
		Vermis 4, 5	13					
<b>Cluster 8</b>			<b>542</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>4.7</b>	<b>&lt; .001</b>
Frontal	R	Inferior Frontal Operculum	33					
Temporal	R	Hippocampus	4					

Subcortical	R	Thalamus	138					
	R	Insula	101					
	R	Putamen	98					
	R	Pallidum	18					
	R	Amygdala	5					
<b>Cluster 10</b>			<b>226</b>	<b>-36</b>	<b>32</b>	<b>18</b>	<b>4.29</b>	<b>0.001</b>
Frontal	L	Inferior Frontal Triangularis	114					
	L	Middle Frontal Gyrus	112					

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Table 13

*Psychophysiological Interaction Whole-Brain Results for Seed: Supramarginal Gyrus, Anterior (-22, -42, 52)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>647</b>	<b>-50</b>	<b>-70</b>	<b>4</b>	<b>6.03</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal	216					
	L	Inferior Temporal	30					
	L	Fusiform Gyrus	7					
Occipital	L	Middle Occipital	294					
	L	Inferior Occipital	91					
<b>Cluster 2</b>			<b>8233</b>	<b>-18</b>	<b>-2</b>	<b>56</b>	<b>6</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	485					
	R	Superior Frontal Gyrus	450					
	L	Supplementary Motor Area	412					
	L	Superior Frontal Gyrus	393					
	R	Middle Frontal Gyrus	327					
	R	Supplementary Motor Area	275					
	R	Precentral Gyrus	231					
	L	Middle Frontal Gyrus	213					
	L	Rolandic Operculum	90					
	R	Inferior Frontal Operculum	3					
	L	Superior Medial Frontal Gyrus	3					

	R	Superior Medial Frontal Gyrus	3					
	L	Paracentral Lobule	2					
Parietal	L	Inferior Parietal Lobule	1035					
	L	Postcentral Gyrus	858					
	L	Superior Parietal Lobule	471					
	L	Supramarginal Gyrus	348					
	L	Precuneus	301					
	L	Angular Gyrus	11					
Temporal	L	Superior Temporal Gyrus	21					
	L	Heschl Gyrus	1					
Occipital	L	Superior Occipital Gyrus	171					
	L	Middle Occipital Gyrus	96					
	L	Cuneus	38					
Subcortical	R	Middle Cingulum	256					
	L	Middle Cingulum	250					
	L	Anterior Cingulum	67					
<b>Cluster 3</b>			<b>1649</b>	<b>42</b>	<b>-30</b>	<b>38</b>	<b>4.98</b>	<b>&lt; .001</b>
Parietal	R	Supramarginal Gyrus	237					
	R	Postcentral Gyrus	210					
	R	Superior Parietal Lobule	106					
	R	Superior Inferior Lobule	75					
	R	Precuneus	178					

	R	Angular Gyrus	46					
Occipital	R	Superior Occipital Gyrus	198					
	R	Cuneus	67					
	R	Middle Occipital Gyrus	53					
<b>Cluster 4</b>			<b>138</b>	<b>-56</b>	<b>4</b>	<b>30</b>	<b>4.75</b>	<b>0.024</b>
Frontal	L	Precentral Gyrus	126					
	L	Inferior Frontal Operculum	11					
<b>Cluster 5</b>			<b>329</b>	<b>-38</b>	<b>16</b>	<b>0</b>	<b>4.56</b>	<b>&lt; .001</b>
Frontal	L	Rolandic Operculum	4					
	L	Inferior Frontal Triangularis	1					
Subcortical	L	Insula	282					
	L	Putamen	9					
<b>Cluster 7</b>			<b>136</b>	<b>-22</b>	<b>-14</b>	<b>10</b>	<b>4.09</b>	<b>0.026</b>
Subcortical	L	Thalamus	66					
	L	Putamen	8					
	L	Pallidum	3					

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Table 14

*Psychophysiological Interaction Whole-Brain Results for Seed: Supramarginal Gyrus, Anterior (60, -26, 22)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>16446</b>	<b>-20</b>	<b>-2</b>	<b>52</b>	<b>8.46</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	995					
	R	Precentral Gyrus	760					
	R	Supplementary Motor Area	477					
	R	Superior Frontal Gyrus	474					
	L	Supplementary Motor Area	413					
	R	Rolandic Operculum	350					
	L	Superior Frontal Gyrus	329					
	R	Middle Frontal Gyrus	301					
	L	Rolandic Operculum	280					
	L	Middle Frontal Gyrus	177					
	R	Inferior Frontal Operculum	177					
	L	Inferior Frontal Operculum	62					
Parietal	L	Inferior Parietal Lobule	1231					
	L	Postcentral Gyrus	1124					
	R	Supramarginal Gyrus	781					
	L	Supramarginal Gyrus	687					
	L	Superior Parietal Lobule	619					
	L	Precuneus	553					
	R	Precuneus	497					
	R	Postcentral Gyrus	437					
	R	Superior Parietal Lobule	340					

	R	Inferior Parietal Lobule	280					
	R	Angular Gyrus	111					
	L	Angular Gyrus	6					
Temporal	L	Superior Temporal Gyrus	167					
	R	Superior Temporal Gyrus	156					
	R	Superior Temporal Pole	51					
	R	Heschl Gyrus	4					
	L	Heschl Gyrus	1					
Occipital	R	Superior Occipital Gyrus	159					
	L	Superior Occipital Gyrus	107					
	R	Cuneus	65					
	L	Middle Occipital Gyrus	30					
	L	Cuneus	24					
Subcortical	L	Middle Cingulum	631					
	R	Middle Cingulum	582					
	L	Insula	432					
	R	Insula	281					
	R	Anterior Cingulum	183					
	L	Anterior Cingulum	160					
	L	Putamen	36					
	R	Putamen	7					
<b>Cluster 2</b>			<b>479</b>	<b>-36</b>	<b>34</b>	<b>24</b>	<b>5.76</b>	<b>&lt; .001</b>
Frontal	L	Middle Frontal Gyrus	364					
	L	Inferior Frontal Triangularis	105					
<b>Cluster 3</b>			<b>623</b>	<b>-18</b>	<b>-10</b>	<b>6</b>	<b>5.38</b>	<b>&lt; .001</b>
Temporal	L	Hippocampus	14					
	L	Parahippocampus	1					

Occipital	L	Lingual Gyrus	8						
Subcortical	L	Thalamus	259						
	L	Pallidum	33						
	L	Putamen	6						
<b>Cluster 4</b>			<b>481</b>	<b>-50</b>	<b>-66</b>	<b>-2</b>	<b>5.28</b>	<b>&lt; .001</b>	
Temporal	L	Middle Temporal Gyrus	171						
	L	Inferior Temporal Gyrus	54						
Occipital	L	Middle Occipital Gyrus	156						
	L	Inferior Occipital gyrus	89						
<b>Cluster 7</b>			<b>258</b>	<b>-22</b>	<b>-60</b>	<b>-30</b>	<b>4.59</b>	<b>0.001</b>	
Cerebellum	L	Cerebellum 6	193						
	L	Cerebellum Crus1	38						
<b>Cluster 8</b>			<b>323</b>	<b>18</b>	<b>-68</b>	<b>-26</b>	<b>4.59</b>	<b>&lt; .001</b>	
Cerebellum	R	Cerebellum 6	244						
	R	Cerebellum Crus1	41						
	R	Cerebellum 4, 5	16						
<b>Cluster 9</b>			<b>156</b>	<b>22</b>	<b>-4</b>	<b>6</b>	<b>4.42</b>	<b>0.016</b>	
Subcortical	R	Pallidum	47						
	R	Putamen	28						
	R	Thalamus	28						

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Table 15

*Psychophysiological Interaction Whole-Brain Results for Seed: Supramarginal Gyrus, Posterior (58, -28, 22)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>18018</b>	<b>-20</b>	<b>-2</b>	<b>52</b>	<b>9.24</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	1132					
	R	Precentral Gyrus	851					
	R	Rolandic Operculum	481					
	R	Supplementary Motor Area	473					
	R	Superior Frontal Gyrus	461					
	L	Rolandic Operculum	420					
	L	Supplementary Motor Area	400					
	L	Superior Frontal Gyrus	335					
	R	Middle Frontal Gyrus	297					
	R	Inferior Frontal Operculum	192					
	L	Middle Frontal Gyrus	189					
	L	Inferior Frontal Operculum	84					
	L	Paracentral Lobule	1					
	Parietal	L	Inferior Parietal Lobule	1214				
L		Postcentral Gyrus	1211					
R		Supramarginal Gyrus	814					
L		Supramarginal Gyrus	720					
L		Superior Parietal Lobule	705					
L		Precuneus	557					
R		Postcentral Gyrus	457					
R		Precuneus	414					

	R	Superior Parietal Lobule	367					
	R	Inferior Parietal Lobule	254					
	R	Angular Gyrus	124					
	L	Angular Gyrus	14					
Temporal	R	Superior Temporal Gyrus	295					
	L	Superior Temporal Gyrus	280					
	R	Superior Temporal Pole	44					
	R	Heschl Gyrus	16					
	L	Heschl Gyrus	6					
	R	Hippocampus	1					
	L	Superior Temporal Pole	1					
Occipital	R	Superior Occipital Gyrus	171					
	L	Superior Occipital Gyrus	129					
	R	Cuneus	58					
	L	Middle Occipital Gyrus	48					
	L	Cuneus	27					
	R	Middle Occipital Gyrus	6					
Subcortical	L	Middle Cingulum	682					
	R	Middle Cingulum	590					
	L	Insula	461					
	R	Insula	313					
	L	Anterior Cingulum	126					
	R	Anterior Cingulum	125					
	R	Thalamus	86					
	R	Putamen	61					
	R	Pallidum	59					
	L	Putamen	29					
<b>Cluster 2</b>			<b>489</b>	<b>-36</b>	<b>34</b>	<b>24</b>	<b>6.02</b>	<b>&lt; .001</b>

Frontal	L	Middle Frontal Gyrus	355					
	L	Inferior Frontal Triangularis	121					
<b>Cluster 3</b>			<b>546</b>	<b>-52</b>	<b>-68</b>	<b>0</b>	<b>5.4</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	192					
	L	Inferior Temporal Gyrus	61					
Occipital	L	Middle Occipital Gyrus	185					
	L	Inferior Occipital Gyrus	93					
<b>Cluster 4</b>			<b>738</b>	<b>-18</b>	<b>-10</b>	<b>6</b>	<b>5.23</b>	<b>&lt; .001</b>
Temporal	L	Hippocampus	21					
	L	Parahippocampus	2					
Occipital	L	Lingual Gyrus	17					
Subcortical	L	Thalamus	304					
	L	Pallidum	23					
	L	Putamen	4					
Cerebellum	L	Cerebellum 4, 5	2					
<b>Cluster 5</b>			<b>466</b>	<b>18</b>	<b>-68</b>	<b>-26</b>	<b>4.92</b>	<b>&lt; .001</b>
Cerebellum	R	Cerebellum 6	344					
	R	Cerebellum Crus1	57					
	R	Cerebellum 4, 5	20					
<b>Cluster 6</b>			<b>443</b>	<b>-22</b>	<b>-60</b>	<b>-30</b>	<b>4.9</b>	<b>&lt; .001</b>
Occipital	L	Lingual Gyrus	39					
Cerebellum	L	Cerebellum 6	317					
	L	Cerebellum Crus1	47					

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Table 16

*Psychophysiological Interaction Whole-Brain Results for Seed: Supramarginal Gyrus, Posterior (-32, -42, 58)*

<b>Lobe</b>	<b>H</b>	<b>Label</b>	<b>Voxels</b>	<b>Peak coordinate (X Y Z)</b>			<b>Peak t</b>	<b>p (FWE)</b>
<b>Cluster 1</b>			<b>9473</b>	<b>-50</b>	<b>-30</b>	<b>38</b>	<b>7.56</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	707					
	R	Middle Frontal Gyrus	387					
	R	Precentral Gyrus	377					
	R	Supplementary Motor Area	344					
	R	Superior Frontal Gyrus	309					
	L	Superior Frontal Gyrus	283					
	L	Rolandic Operculum	274					
	L	Supplementary Motor Area	260					
	L	Middle Frontal Gyrus	166					
	R	Inferior Frontal Operculum	80					
	L	Paracentral Lobule	2					
	L	Superior Medial Frontal Gyrus	1					
Parietal	L	Inferior Parietal Lobule	1144					
	L	Postcentral Gyrus	1083					
	L	Supramarginal Gyrus	583					
	L	Superior Parietal Lobule	522					
	L	Precuneus	150					
Temporal	L	Superior Temporal Gyrus	144					
	L	Heschl Gyrus	15					
Occipital	L	Superior Occipital Gyrus	119					
	L	Middle Occipital Gyrus	111					

	L	Cuneus	1					
Subcortical	R	Middle Cingulum	488					
	L	Middle Cingulum	429					
	L	Insula	165					
	L	Anterior Cingulum	127					
	R	Anterior Cingulum	8					
<b>Cluster 2</b>			<b>691</b>	<b>-52</b>	<b>-68</b>	<b>4</b>	<b>6.34</b>	<b>&lt; .001</b>
Occipital	L	Middle Occipital Gyrus	267					
	L	Inferior Occipital Gyrus	121					
Temporal	L	Middle Temporal Gyrus	218					
	L	Inferior Temporal Gyrus	66					
<b>Cluster 3</b>			<b>2456</b>	<b>40</b>	<b>-32</b>	<b>38</b>	<b>6.29</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	127					
Parietal	R	Supramarginal Gyrus	446					
	R	Postcentral Gyrus	372					
	R	Inferior Parietal Lobule	361					
	R	Superior Parietal Lobule	179					
	R	Precuneus	171					
	R	Angular Gyrus	57					
Temporal	R	Superior Temporal Gyrus	31					
	R	Heschl Gyrus	1					
Occipital	R	Superior Occipital Gyrus	154					
	R	Middle Occipital Gyrus	59					
	R	Cuneus	16					
<b>Cluster 4</b>			<b>290</b>	<b>-58</b>	<b>2</b>	<b>30</b>	<b>5.49</b>	<b>&lt; .001</b>

Frontal	L	Precentral Gyrus	223						
	L	Inferior Frontal Operculum	54						
	L	Rolandic Operculum	5						
Parietal	L	Postcentral Gyrus	7						
<b>Cluster 5</b>			<b>795</b>	<b>26</b>	<b>-6</b>	<b>-2</b>	<b>5.26</b>	<b>&lt; .001</b>	
Frontal	R	Rolandic Operculum	34						
	R	Inferior Frontal Operculum	2						
Subcortical	R	Insula	205						
	R	Putamen	168						
	R	Pallidum	114						
	R	Thalamus	58						
<b>Cluster 6</b>			<b>321</b>	<b>50</b>	<b>-56</b>	<b>-8</b>	<b>5.22</b>	<b>&lt; .001</b>	
Temporal	R	Inferior Temporal Gyrus	227						
	R	Middle Temporal Gyrus	75						
Occipital	R	Inferior Occipital Gyrus	3						
<b>Cluster 7</b>			<b>540</b>	<b>-20</b>	<b>-4</b>	<b>-2</b>	<b>4.99</b>	<b>&lt; .001</b>	
Subcortical	L	Thalamus	196						
	L	Pallidum	142						
	L	Putamen	71						
<b>Cluster 8</b>			<b>260</b>	<b>-32</b>	<b>14</b>	<b>6</b>	<b>4.68</b>	<b>0.001</b>	
Frontal	L	Inferior Frontal Triangularis	1						
Subcortical	L	Insula	217						
	L	Putamen	9						
<b>Cluster 9</b>			<b>184</b>	<b>-42</b>	<b>32</b>	<b>16</b>	<b>4.42</b>	<b>0.005</b>	

Frontal	L	Inferior Frontal Triangularis	158
	L	Middle Frontal Gyrus	26

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Table 17

*Psychophysiological Interaction Whole-Brain Results for Seed: Postcentral Gyrus (-26, -44, 56)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>11744</b>	<b>-42</b>	<b>-36</b>	<b>50</b>	<b>7.81</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	1013					
	R	Superior Frontal Gyrus	455					
	R	Supplementary Motor Area	393					
	L	Supplementary Motor Area	367					
	R	Middle Frontal Gyrus	352					
	R	Precentral Gyrus	351					
	L	Superior Frontal Gyrus	345					
	L	Middle Frontal Gyrus	226					
	L	Rolandic Operculum	217					
	R	Inferior Frontal Operculum	105					
	L	Inferior Frontal Operculum	44					
	L	Superior Medial Frontal Gyrus	3					
	L	Paracentral Lobule	2					
	L	Inferior Frontal Triangularis	1					
Parietal	L	Inferior Parietal Lobule	1242					
	L	Postcentral Gyrus	1018					
	L	Superior Parietal Lobule	700					
	L	Supramarginal Gyrus	586					
	L	Precuneus	310					
	L	Angular Gyrus	18					
Temporal	L	Superior Temporal Gyrus	98					

	L	Heschl Gyrus	4					
Occipital	L	Superior Occipital Gyrus	224					
	L	Middle Occipital Gyrus	190					
Subcortical	L	Cuneus	43					
	R	Middle Cingulum	469					
	L	Middle Cingulum	397					
	L	Insula	352					
	L	Thalamus	228					
	L	Anterior Cingulum	132					
	L	Pallidum	125					
	L	Putamen	111					
	R	Anterior Cingulum	5					
<b>Cluster 2</b>			<b>910</b>	<b>-50</b>	<b>-70</b>	<b>4</b>	<b>6.76</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	260					
	L	Inferior Temporal Gyrus	83					
	L	Fusiform Gyrus	10					
Occipital	L	Middle Occipital Gyrus	338					
	L	Inferior Occipital Gyrus	202					
<b>Cluster 3</b>			<b>2685</b>	<b>44</b>	<b>-32</b>	<b>38</b>	<b>6.22</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	73					
Parietal	R	Supramarginal Gyrus	388					
	R	Inferior Parietal Lobule	345					
	R	Postcentral Gyrus	343					
	R	Precuneus	224					
	R	Superior Parietal Lobule	176					
	R	Angular Gyrus	137					
Temporal	R	Superior Temporal Gyrus	3					

Occipital	R	Superior Occipital Gyrus	233					
	R	Cuneus	85					
	R	Middle Occipital Gyrus	70					
<b>Cluster 4</b>			<b>420</b>	<b>50</b>	<b>-56</b>	<b>-8</b>	<b>5.68</b>	<b>&lt; .001</b>
Temporal	R	Inferior Temporal Gyrus	307					
	R	Middle Temporal Gyrus	87					
	R	Fusiform Gyrus	3					
Occipital	R	Inferior Occipital Gyrus	19					
<b>Cluster 5</b>			<b>356</b>	<b>-42</b>	<b>32</b>	<b>16</b>	<b>4.56</b>	<b>&lt; .001</b>
Frontal	L	Inferior Frontal Triangularis	221					
	L	Middle Frontal Gyrus	135					
<b>Cluster 6</b>			<b>247</b>	<b>34</b>	<b>-56</b>	<b>-32</b>	<b>4.41</b>	<b>0.001</b>
Cerebellum	R	Cerebellum 6	149					
	R	Cerebellum Crus1	92					
	R	Cerebellum 4, 5	1					
<b>Cluster 7</b>			<b>492</b>	<b>36</b>	<b>2</b>	<b>-8</b>	<b>4.38</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	78					
	R	Inferior Frontal Operculum	14					
	R	Precentral Gyrus	11					
Subcortical	R	Insula	125					
	R	Putamen	88					
	R	Pallidum	78					
	R	Thalamus	22					
<b>Cluster 8</b>			<b>134</b>	<b>46</b>	<b>36</b>	<b>10</b>	<b>4.22</b>	<b>0.024</b>

Frontal	R	Inferior Frontal Triangularis	103
	R	Middle Frontal Gyrus	31

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Table 18

*Psychophysiological Interaction Whole-Brain Results for Seed: Precuneus (-14, -46, 62)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>9578</b>	<b>-20</b>	<b>-2</b>	<b>54</b>	<b>7.17</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	873					
	L	Supplementary Motor Area	574					
	R	Supplementary Motor Area	528					
	R	Superior Frontal Gyrus	482					
	R	Precentral Gyrus	455					
	L	Superior Frontal Gyrus	356					
	R	Middle Frontal Gyrus	284					
	L	Middle Frontal Gyrus	244					
	L	Superior Medial Frontal Gyrus	14					
	L	Paracentral Lobule	2					
	R	Superior Medial Frontal Gyrus	1					
Parietal	L	Inferior Parietal Lobule	1013					
	L	Postcentral Gyrus	889					
	L	Superior Parietal Lobule	543					
	L	Supramarginal Gyrus	400					
	L	Precuneus	216					
Temporal	L	Superior Temporal Gyrus	49					
Occipital	L	Superior Occipital Gyrus	149					
	L	Middle Occipital Gyrus	56					
	L	Cuneus	33					

Subcortical	L	Middle Cingulum	486					
	R	Middle Cingulum	459					
	L	Anterior Cingulum	107					
	R	Anterior Cingulum	3					
<b>Cluster 2</b>			<b>2854</b>	<b>42</b>	<b>-36</b>	<b>42</b>	<b>6.19</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	128					
Parietal	R	Superior Parietal Lobule	556					
	R	Postcentral Gyrus	548					
	R	Supramarginal Gyrus	384					
	R	Inferior Parietal Lobule	350					
	R	Angular Gyrus	162					
	R	Precuneus	94					
Temporal	R	Superior Temporal Gyrus	7					
Occipital	R	Superior Occipital Gyrus	129					
	R	Middle Occipital Gyrus	48					
	R	Cuneus	16					
<b>Cluster 3</b>			<b>801</b>	<b>-50</b>	<b>4</b>	<b>28</b>	<b>5.83</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	365					
	L	Inferior Frontal Operculum	50					
	L	Rolandic Operculum	32					
Parietal	L	Postcentral Gyrus	14					
Subcortical	L	Insula	227					
	L	Putamen	51					
<b>Cluster 4</b>			<b>441</b>	<b>-12</b>	<b>-12</b>	<b>-4</b>	<b>5.77</b>	<b>&lt; .001</b>
Subcortical	L	Thalamus	139					
	L	Pallidum	62					

<b>Cluster 5</b>			<b>786</b>	<b>-50</b>	<b>-70</b>	<b>4</b>	<b>5.7</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	175					
	L	Inferior Temporal Gyrus	99					
	L	Fusiform Gyrus	30					
Occipital	L	Middle Occipital Gyrus	262					
	L	Inferior Occipital Gyrus	176					
Cerebellum	L	Cerebellum Crus1	4					
<b>Cluster 6</b>			<b>377</b>	<b>60</b>	<b>10</b>	<b>26</b>	<b>5.46</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	205					
	R	Inferior Frontal Operculum	147					
	R	Rolandic Operculum	22					
	R	Inferior Frontal Triangularis	1					
Parietal	R	Postcentral Gyrus	2					
<b>Cluster 7</b>			<b>323</b>	<b>18</b>	<b>-56</b>	<b>-22</b>	<b>4.83</b>	<b>&lt; .001</b>
Cerebellum	R	Cerebellum 6	208					
	R	Cerebellum 4, 5	59					
		Vermis 6	40					
		Vermis 4, 5	13					
<b>Cluster 8</b>			<b>542</b>	<b>36</b>	<b>10</b>	<b>4</b>	<b>4.7</b>	<b>&lt; .001</b>
Frontal	R	Inferior Frontal Operculum	33					
Temporal	R	Hippocampus	4					
Subcortical	R	Thalamus	138					
	R	Insula	101					
	R	Putamen	98					
	R	Pallidum	18					

	R	Amygdala	5					
<b>Cluster 10</b>			<b>226</b>	<b>-36</b>	<b>32</b>	<b>18</b>	<b>4.29</b>	<b>0.001</b>
Frontal	L	Inferior Frontal Triangularis	114					
	L	Middle Frontal Gyrus	112					

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Table 19

*Psychophysiological Interaction Whole-Brain Results for Seed: Inferior Parietal Lobule (-62, -26, 30)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>6566</b>	<b>-62</b>	<b>-28</b>	<b>30</b>	<b>7.29</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	698					
	R	Supplementary Motor Area	320					
	R	Superior Frontal Gyrus	287					
	L	Superior Frontal Gyrus	244					
	L	Supplementary Motor Area	244					
	R	Middle Frontal Gyrus	228					
	L	Middle Frontal Gyrus	168					
	R	Precentral Gyrus	143					
	L	Rolandic Operculum	8					
Parietal	L	Inferior Parietal Lobule	1130					
	L	Postcentral Gyrus	866					
	L	Supramarginal Gyrus	612					
	L	Superior Parietal Lobule	173					
	L	Angular Gyrus	3					
	L	Precuneus	3					
Temporal	L	Superior Temporal Gyrus	151					
Subcortical	R	Middle Cingulum	281					
	L	Middle Cingulum	263					
<b>Cluster 2</b>			<b>1222</b>	<b>58</b>	<b>-20</b>	<b>32</b>	<b>6.39</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	54					

Parietal	R	Supramarginal Gyrus	719					
	R	Postcentral Gyrus	173					
	R	Inferior Parietal Lobule	125					
	R	Superior Parietal Lobule	10					
	R	Angular Gyrus	3					
Temporal	R	Superior Temporal Gyrus	37					
<b>Cluster 3</b>			<b>399</b>	<b>-50</b>	<b>-70</b>	<b>-4</b>	<b>5.62</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	143					
	L	Inferior Temporal Gyrus	81					
Occipital	L	Inferior Occipital Gyrus	95					
	L	Middle Occipital Gyrus	71					
<b>Cluster 4</b>			<b>964</b>	<b>-42</b>	<b>-2</b>	<b>10</b>	<b>5.51</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	230					
	L	Rolandic Operculum	137					
	L	Inferior Frontal Operculum	61					
	L	Inferior Frontal Triangularis	4					
Parietal	L	Postcentral Gyrus	2					
Temporal	L	Superior Temporal Gyrus	62					
	L	Superior Temporal Pole	2					
Subcortical	L	Insula	434					
	L	Putamen	2					
<b>Cluster 5</b>			<b>318</b>	<b>14</b>	<b>-68</b>	<b>42</b>	<b>5.16</b>	<b>&lt; .001</b>
Parietal	R	Precuneus	197					
	R	Superior Parietal Lobule	20					
	R	Angular Gyrus	5					
Occipital	R	Superior Occipital Gyrus	72					

	R	Cuneus	23					
<b>Cluster 6</b>			<b>466</b>	<b>54</b>	<b>4</b>	<b>-2</b>	<b>4.98</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	137					
	R	Inferior Frontal Operculum	45					
	R	Precentral Gyrus	33					
Temporal	R	Superior Temporal Pole	87					
	R	Superior Temporal Gyrus	16					
Subcortical	R	Insula	128					
<b>Cluster 7</b>			<b>442</b>	<b>34</b>	<b>-56</b>	<b>-34</b>	<b>4.87</b>	<b>&lt; .001</b>
Cerebellum	R	Cerebellum 6	302					
	R	Cerebellum Crus1	123					
	R	Cerebellum 4, 5	4					
<b>Cluster 9</b>			<b>226</b>	<b>-10</b>	<b>-60</b>	<b>42</b>	<b>4.21</b>	<b>0.002</b>
Parietal	L	Precuneus	115					
	L	Superior Parietal Lobule	97					
	L	Inferior Parietal Lobule	3					
Occipital	L	Superior Occipital Gyrus	11					

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Table 20

*Psychophysiological Interaction Whole-Brain Results for Seed: Inferior Parietal Lobule (50, -34, 50)*

<b>Lobe</b>	<b>H</b>	<b>Label</b>	<b>Voxels</b>	<b>Peak coordinate (X Y Z)</b>			<b>Peak t</b>	<b>p (FWE)</b>
<b>Cluster 1</b>			<b>13966</b>	<b>-50</b>	<b>-40</b>	<b>40</b>	<b>8.86</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	1045					
	R	Precentral Gyrus	480					
	R	Middle Frontal Gyrus	423					
	R	Inferior Frontal Operculum	382					
	R	Superior Frontal Gyrus	305					
	L	Superior Frontal Gyrus	267					
	R	Rolandic Operculum	225					
	L	Inferior Frontal Operculum	217					
	L	Middle Frontal Gyrus	164					
	R	Supplementary Motor Area	132					
	L	Supplementary Motor Area	109					
	L	Rolandic Operculum	48					
	L	Inferior Frontal Triangularis	18					
	R	Inferior Frontal Triangularis	16					
	L	Paracentral Lobule	2					
Parietal	L	Inferior Parietal Lobule	1199					
	L	Postcentral Gyrus	974					
	R	Supramarginal Gyrus	815					
	R	Inferior Parietal Lobule	569					

	L	Supramarginal Gyrus	550					
	L	Superior Parietal Lobule	497					
	L	Precuneus	482					
	R	Superior Parietal Lobule	444					
	R	Precuneus	444					
	R	Postcentral Gyrus	388					
	R	Angular Gyrus	221					
	L	Angular Gyrus	16					
Temporal	L	Superior Temporal Gyrus	25					
	R	Superior Temporal Gyrus	1					
	R	Superior Temporal Pole	1					
Occipital	L	Middle Occipital Gyrus	181					
	R	Superior Occipital Gyrus	172					
	L	Superior Occipital Gyrus	127					
	R	Middle Occipital Gyrus	98					
	R	Cuneus	51					
	L	Cuneus	5					
Subcortical	R	Middle Cingulum	388					
	L	Middle Cingulum	368					
	R	Insula	56					
	L	Anterior Cingulum	31					
	R	Anterior Cingulum	19					
	L	Insula	5					
	R	Putamen	5					
<b>Cluster 2</b>			<b>821</b>	<b>-46</b>	<b>-66</b>	<b>-14</b>	<b>5.96</b>	<b>&lt; .001</b>
Temporal	L	Inferior Temporal Gyrus	183					
	L	Middle Temporal Gyrus	105					
	L	Fusiform Gyrus	90					

Occipital	L	Inferior Occipital Gyrus	294					
	L	Middle Occipital Gyrus	87					
Cerebellum	L	Cerebellum Crus1	42					
<b>Cluster 3</b>			<b>748</b>	<b>24</b>	<b>-10</b>	<b>-2</b>	<b>5.08</b>	<b>&lt; .001</b>
Temporal	R	Hippocampus	10					
	L	Hippocampus	1					
Subcortical	L	Thalamus	146					
	L	Pallidum	113					
	R	Pallidum	106					
	R	Putamen	34					
	R	Thalamus	25					
<b>Cluster 4</b>			<b>830</b>	<b>18</b>	<b>-56</b>	<b>-24</b>	<b>5.02</b>	<b>&lt; .001</b>
Cerebellum	R	Cerebellum 6	396					
	R	Cerebellum Crus1	171					
		Vermis 6	113					
		Vermis 4, 5	39					
	R	Cerebellum 4, 5	29					
	L	Cerebellum 6	16					
	L	Cerebellum 4, 5	1					
<b>Cluster 5</b>			<b>553</b>	<b>-12</b>	<b>-76</b>	<b>-26</b>	<b>4.75</b>	<b>&lt; .001</b>
Cerebellum	L	Cerebellum Crus1	230					
	L	Cerebellum 6	229					
	L	Cerebellum Crus2	67					
		Vermis 7	15					
	R	Cerebellum Crus2	6					
		Vermis 8						

<b>Cluster 6</b>			<b>259</b>	<b>24</b>	<b>48</b>	<b>12</b>	<b>4.63</b>	<b>&lt; .001</b>
Frontal	R	Middle Frontal Gyrus	98					
	R	Superior Frontal Gyrus	70					
<b>Cluster 7</b>			<b>601</b>	<b>-38</b>	<b>34</b>	<b>18</b>	<b>4.57</b>	<b>&lt; .001</b>
Frontal	L	Inferior Frontal Triangularis	312					
	L	Middle Frontal Gyrus	287					
<b>Cluster 8</b>			<b>233</b>	<b>48</b>	<b>36</b>	<b>10</b>	<b>4.52</b>	<b>0.001</b>
Frontal	R	Inferior Frontal Triangularis	184					
	R	Middle Frontal Gyrus	49					
Cluster 9			180	<b>54</b>	<b>-52</b>	<b>-10</b>	<b>4.14</b>	<b>0.006</b>
Temporal	R	Inferior Temporal Gyrus	176					
	R	Middle Temporal Gyrus	3					
Occipital	R	Inferior Occipital Gyrus	1					

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Table 21

*Psychophysiological Interaction Whole-Brain Results for Seed: Inferior Parietal Lobule (60, -24, 24)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>10252</b>	<b>-20</b>	<b>-2</b>	<b>52</b>	<b>8.02</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	621					
	L	Precentral Gyrus	526					
	R	Superior Frontal Gyrus	441					
	R	Supplementary Motor Area	372					
	L	Superior Frontal Gyrus	317					
	R	Middle Frontal Gyrus	315					
	L	Supplementary Motor Area	313					
	L	Middle Frontal Gyrus	184					
	R	Inferior Frontal Operculum	161					
	R	Rolandic Operculum	160					
Parietal	L	Inferior Parietal Lobule	1270					
	L	Postcentral Gyrus	895					
	L	Supramarginal Gyrus	648					
	L	Superior Parietal Lobule	601					
	L	Precuneus	364					
	R	Postcentral Gyrus	42					
	L	Angular Gyrus	11					
Temporal	L	Superior Temporal Gyrus	107					

	R	Superior Temporal Pole	18					
	R	Superior Temporal Pole	1					
Occipital	L	Superior Occipital Gyrus	96					
	L	Middle Occipital Gyrus	60					
	L	Cuneus	16					
Subcortical	R	Middle Cingulum	543					
	L	Middle Cingulum	423					
	R	Insula	173					
	R	Anterior Cingulum	154					
	L	Anterior Cingulum	143					
<b>Cluster 2</b>			<b>964</b>	<b>-54</b>	<b>4</b>	<b>26</b>	<b>7.61</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	412					
	L	Rolandic Operculum	117					
	L	Inferior Frontal Operculum	55					
Parietal	L	Postcentral Gyrus	40					
Temporal	L	Superior Temporal Gyrus	9					
Subcortical	L	Insula	279					
	L	Putamen	12					
<b>Cluster 3</b>			<b>2804</b>	<b>48</b>	<b>-32</b>	<b>38</b>	<b>6.46</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	22					
Parietal	R	Supramarginal Gyrus	801					
	R	Precuneus	373					
	R	Postcentral Gyrus	357					
	R	Inferior Parietal Lobule	260					
	R	Superior Parietal Lobule	223					
	R	Angular Gyrus	123					

Temporal	R	Superior Temporal Gyrus	18					
Occipital	R	Superior Occipital Gyrus	161					
	R	Cuneus	56					
	R	Middle Occipital Gyrus	1					
<b>Cluster 5</b>			<b>361</b>	<b>-34</b>	<b>34</b>	<b>22</b>	<b>5.14</b>	<b>&lt; .001</b>
Frontal	L	Middle Frontal Gyrus	268					
	L	Inferior Frontal Triangularis	88					
<b>Cluster 6</b>			<b>327</b>	<b>-50</b>	<b>-66</b>	<b>-2</b>	<b>4.98</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	153					
	L	Inferior Temporal Gyrus	46					
Occipital	L	Middle Occipital Gyrus	66					
	L	Inferior Occipital Gyrus	61					
<b>Cluster 7</b>			<b>334</b>	<b>-18</b>	<b>-10</b>	<b>6</b>	<b>4.88</b>	<b>&lt; .001</b>
Temporal	L	Hippocampus	2					
Subcortical	L	Thalamus	162					
	L	Pallidum	17					
<b>Cluster 8</b>			<b>123</b>	<b>30</b>	<b>36</b>	<b>22</b>	<b>4.84</b>	<b>0.042</b>
Frontal	R	Middle Frontal Gyrus	83					
	R	Inferior Frontal Triangularis	21					

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Table 22

*Psychophysiological Interaction Whole-Brain Results for Seed: Left Caudate (-18, 0, 28)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>1286</b>	<b>16</b>	<b>-70</b>	<b>44</b>	<b>5.62</b>	<b>&lt; .001</b>
Parietal	R	Precuneus	324					
	L	Precuneus	293					
	R	Superior Parietal Lobule	176					
	L	Superior Parietal Lobule	175					
	R	Angular Gyrus	32					
Occipital	R	Superior Occipital	107					
	R	Cuneus	88					
	L	Cuneus	63					
	L	Superior Occipital	25					
<b>Cluster 2</b>			<b>804</b>	<b>28</b>	<b>-8</b>	<b>52</b>	<b>5.5</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	244					
	R	Middle Frontal Gyrus	139					
	R	Superior Frontal Gyrus	62					
	R	Supplementary Motor Area	24					
Subcortical	R	Middle Cingulum	9					
<b>Cluster 4</b>			<b>192</b>	<b>30</b>	<b>0</b>	<b>28</b>	<b>4.98</b>	<b>0.006</b>
Frontal	R	Inferior Frontal Operculum	3					
	R	Precentral Gyrus	2					

<b>Cluster 5</b>			<b>502</b>	<b>-30</b>	<b>-36</b>	<b>32</b>	<b>4.84</b>	<b>&lt; .001</b>
Parietal	L	Inferior Parietal Lobule	92					
	L	Postcentral Gyrus	25					
	L	Superior Parietal Lobule	1					
<b>Cluster 6</b>			<b>258</b>	<b>2</b>	<b>-20</b>	<b>66</b>	<b>4.62</b>	<b>0.001</b>
Frontal	R	Paracentral Lobule	88					
	R	Supplementary Motor Area	18					
	L	Paracentral Lobule	5					
Parietal	R	Precuneus	102					
	L	Precuneus	20					
	R	Postcentral Gyrus	3					
Subcortical	L	Middle Cingulum	11					
	R	Middle Cingulum	6					
<b>Cluster 10</b>			<b>183</b>	<b>34</b>	<b>-28</b>	<b>30</b>	<b>4.27</b>	<b>0.008</b>
Frontal	R	Rolandic Operculum	2					
Parietal	R	Postcentral Gyrus	105					
	R	Supramarginal Gyrus	18					

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Table 23

*Psychophysiological Interaction Whole-Brain Results for Seed: Left Putamen (-34, -6, 4)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>8105</b>	<b>8</b>	<b>-4</b>	<b>50</b>	<b>5.96</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	712					
	R	Supplementary Motor Area	452					
	L	Precentral Gyrus	408					
	R	Superior Frontal Gyrus	308					
	R	Middle Frontal Gyrus	275					
	L	Supplementary Motor Area	228					
	R	Rolandic Operculum	215					
	L	Superior Frontal Gyrus	199					
	R	Inferior Frontal Operculum	177					
	R	Inferior Frontal Triangularis	70					
	L	Middle Frontal Gyrus	47					
	R	Superior Medial Frontal Gyrus	10					
	L	Superior Medial Frontal Gyrus	7					
Parietal	L	Inferior Parietal Lobule	915					
	L	Postcentral Gyrus	664					
	L	Superior Parietal Lobule	276					
	L	Supramarginal Gyrus	171					
	L	Precuneus	128					
	R	Postcentral Gyrus	121					
	L	Angular Gyrus	1					
Temporal	R	Heschl Gyrus	14					

	R	Superior Temporal	2					
Occipital	L	Middle Occipital Gyrus	80					
	L	Superior Occipital Gyrus	36					
Subcortical	L	Middle Cingulum	519					
	R	Middle Cingulum	487					
	R	Putamen	177					
	R	Thalamus	160					
	R	Insula	84					
	L	Anterior Cingulum	50					
	R	Pallidum	25					
<b>Cluster 2</b>			<b>1937</b>	<b>-34</b>	<b>-6</b>	<b>4</b>	<b>5.94</b>	<b>&lt; .001</b>
Frontal	L	Rolandic Operculum	155					
	L	Inferior Frontal Operculum	21					
	L	Inferior Frontal Triangularis	1					
Parietal	L	Postcentral Gyrus	2					
Temporal	L	Heschl Gyrus	1					
	L	Superior Temporal Gyrus	1					
Occipital	L	Caudate	52					
Subcortical	L	Putamen	599					
	L	Insula	403					
	L	Pallidum	176					
	L	Thalamus	113					
<b>Cluster 3</b>			<b>2365</b>	<b>30</b>	<b>-60</b>	<b>46</b>	<b>5.72</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	3					
Parietal	R	Supramarginal Gyrus	414					
	R	Inferior Parietal Lobule	391					
	R	Superior Parietal Lobule	297					

	R	Angular Gyrus	289					
	R	Precuneus	266					
	R	Postcentral Gyrus	118					
Occipital	R	Superior Occipital Gyrus	172					
	R	Middle Occipital Gyrus	73					
	R	Cuneus	31					
<b>Cluster 4</b>			<b>221</b>	<b>12</b>	<b>-36</b>	<b>38</b>	<b>5.41</b>	<b>0.002</b>
Frontal	R	Paracentral Lobule	1					
Parietal	R	Precuneus	21					
Subcortical	R	Middle Cingulum	148					
	R	Poster Cingulum	3					
<b>Cluster 5</b>			<b>171</b>	<b>-22</b>	<b>-58</b>	<b>-26</b>	<b>4.74</b>	<b>0.008</b>
Cerebellum	L	Cerebellum 6	170					
<b>Cluster 7</b>			<b>134</b>	<b>36</b>	<b>48</b>	<b>0</b>	<b>4.31</b>	<b>0.026</b>
Frontal	R	Middle Frontal Gyrus	106					
	R	Middle Orbitofrontal Cortex	13					
	R	Superior Frontal Gyrus	8					
	R	Inferior Orbitofrontal Cortex	1					
<b>Cluster 9</b>			<b>119</b>	<b>-56</b>	<b>4</b>	<b>34</b>	<b>4.08</b>	<b>0.044</b>
Frontal	L	Precentral Gyrus	110					
Parietal	L	Postcentral Gyrus	9					

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Table 24

*Psychophysiological Interaction Whole-Brain Results for Seed: Right Caudate (20, 0, 26)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>612</b>	<b>20</b>	<b>-2</b>	<b>28</b>	<b>6.84</b>	<b>0.001</b>
Frontal	R	Rolandic Operculum	23					
	R	Precentral Gyrus	1					
Parietal	R	Postcentral Gyrus	52					
Subcortical	R	Caudate	22					
<b>Cluster 10</b>			<b>271</b>	<b>-30</b>	<b>-48</b>	<b>6</b>	<b>4.5</b>	<b>0.035</b>
Subcortical	L	Precuneus	6					
	L	Calcarine	1					

Table 25

*Psychophysiological Interaction Whole-Brain Results for Seed: Right Putamen (34, -2, 6)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)		Peak t	<i>p</i> (FWE)	
<b>Cluster 1</b>			<b>14636</b>	<b>-44</b>	<b>34</b>	<b>14</b>	<b>6.96</b>	<b>&lt; .001</b>
Frontal	R	Precentral Gyrus	749					
	L	Inferior Frontal Triangularis	673					
	R	Supplementary Motor Area	624					
	R	Inferior Frontal Operculum	573					
	L	Precentral Gyrus	551					
	R	Superior Frontal Gyrus	523					
	L	Middle Frontal Gyrus	493					
	L	Supplementary Motor Area	372					
	R	Rolandic Operculum	365					
	R	Middle Frontal Gyrus	314					
	L	Superior Frontal Gyrus	285					
	L	Rolandic Operculum	236					
	L	Inferior Frontal Operculum	109					
	R	Superior Medial Frontal Gyrus	61					
	R	Inferior Frontal Triangularis	30					
	L	Superior Medial Frontal Gyrus	22					
Parietal	L	Inferior Parietal Lobule	1150					
	L	Superior Parietal Lobule	781					
	L	Postcentral Gyrus	766					

	L	Precuneus	608					
	L	Supramarginal Gyrus	390					
	R	Postcentral Gyrus	143					
	L	Angular Gyrus	4					
	R	Supramarginal Gyrus	3					
Temporal	L	Superior Temporal Gyrus	49					
	R	Superior Temporal Gyrus	8					
	L	Hippocampus	4					
	R	Hippocampus	2					
	R	Heschl Gyrus	1					
Occipital	L	Middle Occipital Gyrus	162					
	L	Superior Occipital Gyrus	146					
	L	Cuneus	3					
Subcortical	L	Putamen	566					
	R	Middle Cingulum	504					
	L	Insula	425					
	L	Middle Cingulum	352					
	L	Pallidum	206					
	L	Thalamus	192					
	R	Insula	187					
	R	Putamen	73					
	L	Anterior Cingulum	46					
	R	Anterior Cingulum	23					
	L	Caudate	8					
	R	Amygdala	1					
<b>Cluster 2</b>			<b>2735</b>	<b>28</b>	<b>-60</b>	<b>46</b>	<b>5.94</b>	<b>&lt; .001</b>
Frontal	R	Paracentral Lobule	2					
Parietal	R	Superior Parietal Lobule	507					

	R	Inferior Parietal Lobule	426					
	R	Preuneus	392					
	R	Angular Gyrus	280					
	R	Supramarginal Gyrus	168					
	R	Postcentral Gyrus	31					
Occipital	R	Superior Occipital Gyrus	213					
	R	Middle Occipital Gyrus	99					
Subcortical	R	Middle Cingulum	29					
	R	Cuneus	17					
<b>Cluster 3</b>			<b>869</b>	<b>-54</b>	<b>-70</b>	<b>2</b>	<b>5.82</b>	<b>&lt; .001</b>
Temporal	L	Middle Temporal Gyrus	204					
	L	Inferior Temporal Gyrus	119					
	L	Fusiform Gyrus	43					
Occipital	L	Inferior Occipital Gyrus	141					
	L	Middle Occipital Gyrus	52					
Cerebellum	L	Cerebellum 6	145					
	L	Cerebellum Crus1	137					
<b>Cluster 4</b>			<b>902</b>	<b>54</b>	<b>-56</b>	<b>-18</b>	<b>5.17</b>	<b>&lt; .001</b>
Temporal	R	Inferior Temporal gyrus	314					
	R	Fusiform Gyrus	45					
	R	Middle Temporal Gyrus	20					
Occipital	R	Inferior Occipital Gyrus	25					
Cerebellum	R	Cerebellum 6	272					
	R	Cerebellum Crus1	151					
	R	Cerebellum 8	1					
<b>Cluster 5</b>			<b>368</b>	<b>18</b>	<b>-14</b>	<b>-2</b>	<b>4.89</b>	<b>&lt; .001</b>

Temporal	R	Hippocampus	1					
Subcortical	R	Thalamus	170					
	R	Pallidum	19					
<b>Cluster 6</b>			<b>280</b>	<b>38</b>	<b>36</b>	<b>14</b>	<b>4.43</b>	<b>&lt; .001</b>
Frontal	R	Middle Frontal Gyrus	182					
	R	Inferior Frontal Triangularis	57					
	R	Superior Frontal Gyrus	10					

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Table 26

*Psychophysiological Interaction Whole-Brain Results for Seed: Amygdala (-34, 0, -22)*

Lobe	H	Label	Voxels	Peak coordinate (X Y Z)			Peak t	<i>p</i> (FWE)
<b>Cluster 1</b>			<b>3330</b>	<b>60</b>	<b>-12</b>	<b>36</b>	<b>6.52</b>	<b>&lt; .001</b>
Frontal	R	Rolandic Operculum	638					
	R	Precentral Gyrus	202					
	R	Inferior Frontal Operculum	20					
Parietal	R	Postcentral Gyrus	555					
	R	Supramarginal Gyrus	36					
Temporal	R	Superior Temporal Gyrus	499					
	R	Heschl Gyrus	96					
	R	Hippocampus	60					
	R	Superior Temporal Pole	42					
	R	Parahippocampus	15					
Subcortical	R	Insula	318					
	R	Putamen	309					
	R	Amygdala	115					
	R	Pallidum	16					
	R	Thalamus	4					
<b>Cluster 2</b>			<b>1288</b>	<b>-20</b>	<b>-32</b>	<b>54</b>	<b>5.72</b>	<b>&lt; .001</b>
Frontal	L	Precentral Gyrus	95					
	L	Paracentral Lobule	19					
Parietal	L	Precuneus	196					
	L	Postcentral Gyrus	147					

	L	Superior Parietal Lobule	32						
Subcortical	L	Middle Cingulum	431						
<b>Cluster 3</b>			<b>1424</b>	<b>10</b>	<b>-8</b>	<b>54</b>	<b>5.46</b>	<b>&lt; .001</b>	
Frontal	R	Supplementary Motor Area	280						
	R	Precentral Gyrus	151						
	L	Supplementary Motor Area	91						
	R	Superior Frontal Gyrus	33						
	R	Paracentral Lobule	3						
Parietal	R	Postcentral Gyrus	244						
	R	Superior Parietal Lobule	81						
	R	Precuneus	53						
	R	Inferior Parietal Lobule	7						
Subcortical	R	Middle Cingulum	172						
	L	Middle Cingulum	7						
<b>Cluster 4</b>			<b>726</b>	<b>-16</b>	<b>-66</b>	<b>-20</b>	<b>4.97</b>	<b>&lt; .001</b>	
Subcortical	L	Cerebellum 6	293						
	R	Cerebellum 6	169						
	R	Cerebellum 4, 5	115						
		Vermis 8	57						
		Vermis 6	53						
	L	Cerebellum 8	14						
		Vermis 7	6						
		Vermis 9	4						
	R	Cerebellum 8	2						
		Vermis 4, 5	1						
<b>Cluster 5</b>			<b>1285</b>	<b>-54</b>	<b>-12</b>	<b>18</b>	<b>4.96</b>	<b>&lt; .001</b>	

Frontal	L	Rolandic Operculum	124					
	L	Precentral Gyrus	12					
Parietal	L	Postcentral Gyrus	534					
	L	Inferior Parietal Lobule	4					
	L	Supramarginal Gyrus	2					
Temporal	L	Superior Temporal gyrus	90					
	L	Heschl Gyrus	23					
Subcortical	L	Putamen	133					
	L	Insula	110					
	L	Pallidum	3					
	L	Caudate	1					
	L	Thalamus	1					
<b>Cluster 6</b>			<b>152</b>	<b>28</b>	<b>-32</b>	<b>-18</b>	<b>4.92</b>	<b>0.02</b>
Temporal	R	Fusiform Gyrus	76					
	R	Parahippocampal Gyrus	71					
Cerebellum	R	Cerebellum 4, 5	5					

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### III

EMOTION REGULATION AND COGNITIVE REPRESENTATION IN RISKY CHOICE  
FRAMING EFFECTS: INDIVIDUAL DIFFERENCES IN FUNCTIONAL MRI ACTIVATION

Emotion regulation and cognitive representation in risky choice framing: Individual differences  
in functional MRI activation

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Theory and research implicate both emotional and cognitive processes in risky choice framing effects. However, the relative contributions of, and interactions between, these processes are poorly characterized. Prospect theory attributes framing effects to a value function that incorporates emotional valence (i.e., discounting of gains relative to losses). Fuzzy-trace theory attributes framing effects to simplified cognitive representations, which facilitate comparing the values and emotions associated with each framing option. Variants of dual-process theories, such as the affect heuristic and hot-cold framework, attribute framing effects to emotional reactivity (which is facilitated by type 1, automatic cognitive processing, and is sometimes overridden by type 2, deliberative cognitive processing). Although prior studies have described brain activation during risky choice framing effects, no study to date has used MRI data to test these competing theoretical explanations. Using a cognitive manipulation, we tested competing hypotheses of prospect theory versus fuzzy-trace theory. We also tested whether this cognitive manipulation could explain unique variance beyond individual differences in emotion regulation, by relating framing decisions to performance on an emotional go/no-go task. A behavioral sample ( $N = 97$ ) completed both a framing task and an emotional go/no-go task. A subset of this sample ( $N = 25$ ) completed the framing task inside an MRI scanner. We observed effects of both cognitive manipulation and emotion regulation on framing decisions. The cognitive manipulation increased or decreased framing effects (in conditions predicted by fuzzy-trace theory, but not by prospect theory). In addition, poorer emotion regulation predicted increased susceptibility to framing effects. Poorer emotion regulation was associated with increased activation in the amygdala and caudate during framing decisions. Crucially, the cognitive manipulation accounted for unique variance after controlling for emotion regulation. These

results suggest that both cognitive and emotional processing contribute to framing effects, and that cognitive representation can modulate risk taking regardless of emotion regulation ability.

***Keywords:*** affect heuristic, emotion regulation, framing effects, fuzzy trace theory

Although framing effects are widely attributed to emotional reactivity, evidence for this assumption has been indirect. For example, behavioral studies have reported a relation between individual differences in emotion regulation and susceptibility to framing effects (e.g., Cheung & Mikels, 2011; Fagley, Coleman & Simon, 2010; Habib, Cassotti, Moutier, Houdé & Borst, 2015), but effects have been inconsistent or limited to either the gain or the loss frame. Reports of amygdala activation during framing effects (De Martino, Kumaran, Seymour & Dolan, 2006; Roiser, de Martino, Tan, et al., 2009) are often interpreted as evidence of emotional involvement in framing effects. However, this interpretation relies on the assumption that amygdala activation signals emotional processing, rather than direct manipulation of emotional engagement during the task—an assumption that requires reverse inference (Poldrack, 2006, 2011). The assumption that amygdala activation signals emotional processing has been challenged by recent evidence of multiple processes that may be signaled by amygdala activation, such as salience, behavioral relevance, or valence (Ousdal, Reckless, Server, Andreassen & Jensen, 2012; Ousdal, Specht, Server et al., 2014; but see De Martino et al., 2008; Roiser et al., 2009). Therefore, despite the plausible hypothesis that framing effects reflect emotional processing, only indirect evidence for this hypothesis has been reported.

Moreover, two major theories—prospect theory and fuzzy-trace theory—each attribute framing effects to a primarily cognitive mechanism that incorporates emotional information. According to prospect theory, framing effects reflect asymmetrical valuation of risky gains and losses, resulting primarily from discounting of gains relative to losses (Kahneman, 2003; Kahneman & Tversky, 1979). Scholars have recently argued that emotional information is incorporated into the value function (Kahneman, 2002; Kahneman & Frederick, 2007), although earlier descriptions of prospect theory did not reference emotion (e.g., Kahneman & Tversky,

1979; Tversky & Kahneman, 1981). In contrast, fuzzy-trace theory (Reyna, 2012; Reyna & Brainerd, 1995) attributes framing effects to categorical contrasts (e.g., keep something versus keep nothing) between sure and risky options within each frame (Chick, Reyna & Corbin, 2016). According to fuzzy-trace theory, emotional information is incorporated into the gist of framing options, because gist-based mental representations cue the retrieval of valenced (affective) social values (Chick & Reyna, 2012; Reyna, 2012). As a result, the manner in which information is cognitively represented (i.e., as gist or verbatim memory traces) affects the degree to which emotional information influences decision making (Reyna & Rivers, 2008; Rivers, Reyna & Mills, 2008). Therefore, despite evidence supporting both emotional and cognitive explanations of framing effects, no study to date has pitted these explanations against one another in order to test whether framing effects are driven by cognition, emotion, or both.

Here, we report the first study to relate brain activation during framing effects to individual differences in a behavioral measure of emotion regulation. We administered a within-subjects cognitive manipulation of framing options, and related framing decisions to individual differences in emotion regulation as measured in a common behavioral paradigm, the emotional go/no-go task (e.g., Casey, Somerville, Gotlib, et al., 2011). A large behavioral sample ( $N = 97$ ) completed both a behavioral framing task and a behavioral emotional go/no-go task. A subset of this sample ( $N = 25$ ) completed the framing task inside an MRI scanner. By relating emotion regulation in the go/no-go task to framing decisions, and to BOLD activation during framing decisions, we tested whether framing effects were best explained by cognitive mechanisms, emotional reactivity, or both. We also tested specific predictions of prospect theory, fuzzy-trace theory, the affect heuristic, and the hot-cold paradigm.

### **Cognitive accounts of framing effects**

**Prospect theory: Psychophysical discounting of gains relative to losses.** According to prospect theory, preference reversals are driven by asymmetrical perception of gains relative to losses (such that gains are discounted relative to losses of the same magnitude), as well as by nonlinear perception of numerical quantities such as magnitudes and probabilities (reflecting diminishing marginal returns; Kahneman & Tversky, 1979; Tversky & Kahneman, 1981; see review by Fox & Poldrack, 2009). For example, 200 lives saved is perceived as larger than a 1/3 chance of 600 lives saved (gain frame); alternatively, 400 lives lost is perceived as smaller (i.e., a larger loss) than a 2/3 chance of 600 lives lost (loss frame). The resulting inequality between the perceived quantity of the sure option and the perceived quantity of the risky option would produce a pattern of choices consistent with the standard framing effect (i.e., risk aversion for gains and risk seeking for losses; Kahneman, 2003). Thus, according to prospect theory, framing effects are caused by precise numerical comparisons reflecting underlying value functions. These value functions reflect diminishing marginal returns, with separate discount rates for gains and losses.

Prospect theory treats affective dimensions such as valence in terms of their effect on psychophysical value functions. For example, the valence of the stimulus influences its valuation. Although prospect theory can be incorporated into dual-process theories (e.g., the discounting of gains relative to losses may be stronger if system 1 thinking is not overruled by system 2; Kahneman, 2003), the theory itself does not make predictions about the effect of other dimensions of affect, such as arousal (i.e., “hot” motivational drive states; see Casey et al., 2011). Original descriptions of prospect theory (Kahneman & Tversky, 1979; Tversky & Kahneman, 1981) did not specify a role for emotion *per se* in valuation; in contrast, recent descriptions of the theory (Charpentier, De Neve, Li, Roiser & Sharot, 2016; Kahneman, 2003,

2011) have incorporated emotion more explicitly, as discussed in greater detail below.

Additionally, a recent study (Charpentier et al., 2016) reported evidence of a “feeling function,” that is, “a function that...relates feelings (expected or experienced) to objective value” (p. 2).

The authors report that the feelings function predicted choices in a manner consistent with prospect theory (i.e., discounting of gains relative to losses, and diminishing returns for both).

Therefore, although valence-based distinctions are central to prospect theory, prospect theory as originally conceived is primarily a cognitive model and therefore does not make direct predictions about affective drive states. Recent extensions of the theory, however, have explicitly incorporated emotional processing into the valuation process (Charpentier et al., 2016; Kahneman, 2003, 2011).

**Fuzzy trace theory: Cognitive representations.** The core assumption of fuzzy trace theory (FTT) is that cognition operates via two parallel processes: verbatim representations, which constitute precise, literal representations of information, and gist representations, which capture the bottom-line meaning of information (Reyna & Brainerd, 2011). Fuzzy-trace theory is distinct from other dual process theories in assuming that gist-based representations support advanced cognition. For example, gist-based thinking is characteristic of developmentally advanced groups, such as adults compared to adolescents and experts compared to novices (Reyna, Chick, Corbin & Hsia, 2014; Reyna, Estrada, De Marinis et al., 2011; Reyna & Mills, 2014; Setton, Wilhelms, Weldon, Chick & Reyna, 2014). Adults display a preference for gist-based over verbatim-based mental representations, although both forms of processing occur in parallel (Reyna, 2012). Specifically, fuzzy-trace theory predicts that individuals base their decision on the lowest level gist representation sufficient to produce a decision.

This assumption generates predictions about the mechanisms of framing effects. In the

gain frame, the bottom-line gist is a categorical distinction between saving some lives for sure and possibly saving some lives or no lives. Since most subjects prefer saving some over saving none, they tend to choose the sure option in the gain frame (i.e., the traditional framing effect). Analogously, in the loss frame, the preference is for possibly losing no lives (or some lives) over losing some lives for sure, leading most subjects to choose the risky option.

The zero complement in the risky option (e.g., 2/3 chance none are saved) is of critical importance for this some-none categorical distinction. Research has shown that removing the nonzero complement increases framing (by emphasizing the some-none categorical distinction in the problem), and removing the zero complement reduces framing (by de-emphasizing the categorical distinction and prompting individuals to represent the problem in a more precise manner; Chick et al., 2016; Kuhberger & Tanner, 2010; Reyna, et al., 2014). When one complement has been removed, we refer to the remaining partially specified option as truncated. Thus, according to fuzzy-trace theory, focusing on different elements of the problem leads to alternative mental representations of the problem information, which can lead to different preferences.

A crucial difference fuzzy-trace theory and other dual-process theories (which are described in more detail in the next section) is that, whereas most other dual process theories characterize intuition (i.e., affective impulse) as error-producing, fuzzy-trace theory makes a distinction between intuition and impulsivity. Intuition may be “smart,” as in the case of experienced medical or law enforcement professionals when gist reflects understanding, or “dumb,” as in the case of stereotypes when gist reflects lack of understanding. The reliance on, and quality of, gist increases with meaningful experience. However, fuzzy-trace theory treats inhibition as an individual difference that, similar to reward responsiveness, may influence

decision making but is conceptually and empirically distinct from cognitive representation. Moreover, cognitive biases such as framing effects, which fuzzy-trace theory attributes to intuitive (bottom-line) processing, are not necessarily “dumb.” Rather, insofar as they are caused by gist-based processing, they may reflect advanced cognition, as suggested by the recent finding that intelligence professionals (i.e., expert risk takers) showed higher framing effects—and more confidence in those “biased” decisions—than did college students (Reyna et al., 2014). This is consistent with prior work showing that more experienced medical professionals also rely to a greater extent on gist-based processing (Lloyd & Reyna, 2009; Reyna & Lloyd, 2006).

### **Emotional accounts of framing effects**

**Dual process theories.** Dual process theories refer to a class of cognitive theories that distinguish between a fast, automatic form of cognition and a slow, deliberative form of cognition. As Evans (2008) and Evans and Stanovich (2013) point out, there are many versions of this distinction. Stanovich (2004) identifies 23 such theories; Evans (2008) provides a detailed summary of 14 of them. However, Evans and Stanovich (2013) argue that all of these theories attribute a core set of defining features to each type of processing. They argue that there is consensus on the following defining features: An intuitive “Type 1” process that is autonomous (i.e., does not compete with other processes for cognitive resources) and is therefore independent of working memory capacity, and a reflective “Type 2” process that requires “cognitive decoupling” (i.e., meta-cognition resulting in reflection on one’s own cognitive processes) and is dependent on working memory resources. We follow the convention proposed by Evans and Stanovich (2013) and refer to intuitive and deliberative processing as Type 1 and Type 2, respectively.

In addition to these defining features, Evans (2008) and Evans and Stanovich (2013) describe a set of attributes that are associated with each process by some versions of dual-process theory. For example, some theories differentiate Type 1 processing from Type 2 processing by describing them as fast versus slow, parallel versus serial, automatic versus controlled, unconscious versus conscious, high-capacity versus capacity-limited, holistic versus analytic, and automatic versus controlled. Theories that incorporate individual differences in cognitive ability generally assume that Type 1 processing is independent of cognitive ability, whereas Type 2 processing is more reflective of individual differences in cognitive ability, such as working memory capacity (Evans & Stanovich, 2013; see also Frederick, 2005).

Evans and Stanovich also distinguish between two major classes of dual process theory: parallel-competitive (e.g., Sloman, 1996) and default-interventionist (e.g., Kahneman & Frederick, 2002). According to parallel-competitive theories, Type 1 and Type 2 processing occur simultaneously and in parallel; if they produce conflicting decisions, the conflict must then be resolved (often by System 2, though some theories allow for a separate inhibitory process; see also De Neys, 2012; De Neys, Moyens & Vansteenwegen, 2010). In contrast, according to default-interventionist theories, Type 1 processing occurs by default, and Type 2 processing can intervene to correct behavior under specified conditions. That is, “most behavior will accord with defaults, and intervention will occur only when difficulty, novelty, and motivation combine to command the resources of working memory.” (Evans & Stanovich, 2013, p. 237). Evans (2010) further explains, “intervention on intuitions by reasoning requires both the cognitive capacity for the relevant reasoning and the awareness of the need for doing so” (p. 323). Evans and Stanovich favor the default-interventionist approach.

Based on this distinction, many scholars have attributed sub-optimal decision making to Type 1 processing, and rational or adaptive decision making to Type 2 processing. However, this is not a core assumption of dual-process theories. Indeed, Evans and Stanovich (2013) caution against the interpretation of default-interventionist models as implying that Type 1 processing is inferior to Type 2: “Perhaps the most persistent fallacy in the perception of dual-process theories is the idea that Type 1 processes (intuitive, heuristic) are responsible for all bad thinking and that Type 2 processes (reflective, analytic) necessarily lead to correct responses.” (Evans & Stanovich, 2013, p. 229). Thus, although many dual process theories treat errors or biases as synonymous with Type 1 processing, this assumption is not a defining feature of Type 1 processing. Consistent with this point, Kahneman and Frederick (2007) describe both “System 1 rationality” and “System 2 rationality,” indicating the belief that either system can produce rational decisions. We now turn to interpretations of the role of emotion in Type 1 versus Type 2 processing.

**Dual process accounts of the role of emotion in decision making.** Emotion has variously been treated as antithetical, essential, or orthogonal to rational decision making. Early philosophers acknowledged a role for emotion in decision making but assumed an adversarial role between “reason” and “the passions;” subsequent attempts by early economists to formalize the cognitive processes underlying decision making often focused on reason to the exclusion of emotions (see review by Chick, Pardo, Reyna & Goldman, 2012). Contemporary work has attempted to account for influences of both cognition and emotion on decision making, revealing both cooperative and competitive interactions between these processes.

This work has identified multiple mechanisms by which emotions influence decision making. First, processing of affectively relevant information can be more rapid than processing

of information devoid of emotional content. This can result in a perceptual filter that prioritizes cognitive processing of affective information (Markovic, Anderson & Todd, 2014; see also Barrett & Bar, 2009). In this way, affect can act as a “spotlight,” focusing attention on selective aspects of the decision information (Peters, 2006). This not only influences which aspects of current decision options are emphasized; it also reinforces this selective focus in memory, which affects inputs to future decisions. For example, people who feel positively about a new restaurant will focus more on the positive attributes (e.g., the delicious menu options) and less on the negative attributes (e.g., the high prices). They will then remember the delicious food more strongly than they remember the high prices.

Second, emotion may provide unique (and often beneficial) information compared to rational analysis. The affect-as-information hypothesis (Clore, Schwarz & Conway, 1994; Schwarz & Clore, 2003) posits that affective feelings serve as inputs to decision processes; this can be beneficial when the feelings reflect expertise, but it can be misleading when incidental emotions are mistakenly attributed to the options at hand. As an example, Peters and colleagues have argued that numerical information about risk is most easily interpreted when it is grounded in emotional meaning: “Without affect, information appears to have less meaning and to be weighed less in judgment and choice processes” (Peters, 2006). This positive effect of emotion on decision making has been described as “affective rationality” (Slovic, Finucane, Peters & MacGregor, 2002). Another example of the beneficial role of affective information is described by the somatic marker hypothesis (Bechara & Damasio, 2005), in which visceral sensations (i.e., physiological arousal) warn against dangerous options or orient toward advantageous options.

Third, emotions provide an efficient way to process large amounts of complex information. For example, the affect heuristic (described in detail below) describes affective

reactions as a substitute for processing more complex information about decision options. Because affect is highly accessible, this produces a decision with minimal cognitive effort (Kahneman, 2003). Additionally, affective reactions to decision options (e.g., good or bad feelings about them) may provide a common currency across which multiple different attributes may be efficiently compared (e.g., Montague & Berns, 2002).

Fourth, distinct aspects of emotion, including valence and arousal, may influence the type of cognitive processing that is used. For example, positive affect has been associated with more global, holistic thinking, whereas negative affect has been associated with more detailed, analytical thinking (e.g., Fredrickson, 2001; Rowe, Hirsh & Anderson, 2007). Additionally, false memories may be more frequent under conditions of high arousal (Corson & Verrier, 2007) and negative valence (Brainerd, Stein, Silveira, Rohenkohl & Reyna, 2008). Effects of distinct emotional states are evident in phenomena such as mood-congruent processing, in which the specific emotion experienced during decision making affects the outcome of that decision (see review by Phelps, Lempert and Sokol-Hessner, 2014; for an example of mood-congruent perception, see Anderson, Siegel & Barrett, 2011). The influence of emotion on cognitive states is also addressed by the distinction between hot and cold cognition (described below).

We now briefly review how different dual-process theories have incorporated emotion, and how they account for both positive and negative influences of emotion on decision making. Loewenstein, Weber, Hsee and Welch (2001) distinguish between *anticipatory emotions*, which are “visceral” reactions to decision alternatives that can serve as information about these options (Kuhnen & Knutson, 2005); and *anticipated emotions*, which are the emotional states that a decision maker imagines as the hypothetical outcome of each decision alternative. To the extent that dual-process theories have incorporated emotion, they have focused on anticipatory

emotions, which are often measured as increased physiological arousal prior to sub-optimal decision outcomes (e.g., see review by Naqvi, Shiv & Bechara, 2006). We describe six ways in which dual-process theories have explicitly incorporated emotion: affect as information (Schwarz & Clore, 1993), the affect heuristic (Slovic, Finucane, Peters & MacGregor, 2007), risk as feelings (Loewenstein et al., 2001), prospect theory (Kahneman & Tversky, 1979), hot versus cold cognition (Gladwin & Figner, 2014; Metcalfe & Mischel, 1999), and the somatic marker hypothesis (Bechara & Damasio, 2005; Naqvi et al., 2006). We then discuss ways in which the influence of emotion has been conceptualized as beneficial or harmful to decision making.

*Affect as information, the affect heuristic, and risk as feelings.* According to the affect-as-information hypothesis, affective states, ranging from physiological arousal to discrete mood states, can be attributed to decision information and can therefore influence judgments about decision options (though this effect is diminished by drawing conscious awareness to this attribution; see review by Schwarz & Clore, 2007). Similarly, the affect heuristic (Epstein, 1994) describes the process by which feeling states help decision makers to attribute a quality of “goodness” or “badness” to different options. According to this perspective, decision makers’ visceral reactions to decision options may serve as input to decisions. Slovic et al. (2002, 2007) describe a particular affect heuristic, “risk as feelings.” According to this theory, intuitions about risky decisions are linked to previous experience by feelings or affective states (e.g., the feeling that crossing a dark street is “good” or “bad” may be influenced by the safety of the neighborhood in which one grew up).

*Prospect theory.* Kahneman (2003) describes affect as an essential component of the value function in prospect theory: “The value function presumably reflects an anticipation of the

valence and intensity of the emotions that will be experienced at moments of transition from one state to another” (p. 464; see also Charpentier et al., 2016). Notably, although emotion *per se* was not discussed in early papers on prospect theory (Kahneman & Tversky, 1979; Tversky & Kahneman, 1981), recent iterations of prospect theory have described emotion as a defining feature of this value function: “Utility cannot be divorced from emotion” (Kahneman, 2003, p. 464). Kahneman (2011) elaborates, “humans described by prospect theory are guided by the immediate emotional impact of gains and losses” (p. 287). According to Kahneman (2003), emotional information is incorporated into type 1 processing in the form of an affect heuristic, such that “a basic affective reaction can be used as the heuristic attribute for a wide variety of more complex evaluations, such as the cost/benefit ratio of technologies, the safe concentration of chemicals, and even the predicted economic performance of industries” (p. 470). Kahneman describes prospect theory as consistent with a competitive-interventionist dual process model. In this competitive-interventionist framework, the affect heuristic is a type of attribute substitution, a more general principle of decision making in which decision makers avoid processing cognitively taxing attributes of a stimulus by substituting simpler attributes, which are more easily associated with a decision outcome.

***Hot versus cold cognition.*** The terminology of hot versus cold distinguishes a system that is driven by motivational, affective, or approach tendencies from a system that is driven by rational analysis. Metcalfe and Mischel (1999) define hot cognition as “the basis of emotionality...impulsive and reflexive” (p. 3); in contrast, they define cool cognition as “cognitive, emotionally neutral...the seat of self-regulation and self-control” (p. 3). In a review of this terminology, Gladwin and Figner (2014) describe hot processing as “affect-charged,” and cool processing as “affect-free” (p. 3). As suggested by these definitions, the distinction between

hot and cool cognition is often invoked to explain failures of self-regulation. For example, failure to delay gratification is attributed to hot cognition, as supported in part by self-reported strategies for self-regulation; in contrast, successful delay of gratification is attributed to cool cognition, as supported in part by self-reported strategies for self-regulation (Mischel, Ebbesen & Raskoff, 1972). In support of this interpretation, manipulations to invoke “hot” processing often produce impulsive behavior or impair self-regulation, whereas manipulations to invoke “cool” processing often reduce impulsive behavior or enhance self-regulation (Casey et al., 2011; Chick, 2015; Figner, Mackinlay, Wilkening & Weber, 2009).

Although Metcalfe and Mischel used this terminology, it originated with Abelson (1963), who argued, in contrast to contemporary information-processing approaches to cognition, that affective information contributed unique value to decision making: “The ability of belief systems [i.e., hot cognition] to stir and express the passions of believers is an essential feature not to be found in knowledge systems [i.e., cold cognition]....” (Abelson, 1979, p. 364).

***Somatic marker hypothesis.*** The somatic marker hypothesis (Bechara & Damasio, 2005) also posits that emotion conveys information that is input to decision making. According to the somatic marker hypothesis, people experience visceral cues in that guide them toward advantageous options or away from disadvantageous ones. These cues, which have been measured in the form of anticipatory skin conductance responses, may be experienced either consciously or unconsciously. Such anticipatory responses are absent in ventromedial prefrontal cortex lesion patients, who also show deficits in real-life emotional decision making (but not general cognitive deficits; see review by Naqvi et al., 2006). Similar skin conductance responses have been observed in experienced (but not inexperienced) drivers in anticipation of road hazards (Kinnear, Kelly, Stradling & Thomson, 2013). The Iowa Gambling Task, which

was used to test assumptions of the somatic marker hypothesis, has been criticized for confounds, and the somatic marker hypothesis has been criticized more generally (Dunn, Dalgleish & Lawrence, 2006; but see Bechara, Damasio, Tranel & Damasio, 2005). However, the lesion studies that informed the somatic marker hypothesis are informative in the broader context of evidence about the role of emotion in decision making (Reimann & Bechara, 2010).

Although the somatic marker hypothesis does not attempt to map itself onto dual-process theories of cognition, it does assume at least two systems: a more affectively driven system that is “important for triggering emotional responses,” and a more cognitively-driven system that retrieves relevant information from memory for use during “deliberation” (Reimann & Bechara, 2010, p. 769). This first system, driven by subcortical processing, is concerned with “the immediate prospects of an option,” whereas the second system, supported by the prefrontal cortex, is concerned with “weighing the future consequences” (Reimann & Bechara, 2010, p. 770). With the caveat that somatic marker theory is not a self-proclaimed dual-process theory, its description of these emotional and deliberative components is reminiscent of the distinction between Type 1 and Type 2 processing, as described by Evans and Stanovich (2013). In a review, Reimann and Bechara note that the somatic marker hypothesis is conceptually similar to two other dual-process theories: risk as feelings (Loewenstein et al., 2001) and anticipatory affect (Kuhnen & Knutson, 2005).

***Emotion as Type 1 processing.*** In all six of the hypotheses described above, emotion is a defining feature of Type 1 processing. In summarizing the affect-as-information, affect heuristic, and risk as feelings hypotheses, Slovic and Peters (2006) describe affect as a defining feature of Type 1 processing: “One of the main characteristics of the intuitive, experiential system is its affective basis” (p. 322). Similarly, Kahneman (2003) argues that emotional

information contributes to Type 1 processing because it is easily accessible. Kahneman describes affect as a fundamental source of heuristic information: “In terms of the scope of responses that it governs, the natural assessment of affect should join representativeness and availability in the list of general-purpose heuristic attributes” (p. 470). Similarly, “hot” cognition, which Metcalfe and Mischel (1999) describe as “emotional,” “simple,” “reflexive,” and “fast,” overlaps almost entirely with the features of Type 1 processing as described by Evans and Stanovich (2013). Finally, to the extent that somatic marker theory fits into the dual-process framework, the role it ascribes to emotion (i.e., supporting “specific approach or withdrawal behaviors” and considering the “immediate prospects of an option,” Reimann & Bechara, p. 770) is consistent with Type 1 processing. Therefore, the somatic marker hypothesis joins affect as information, the affect heuristic, risk as feelings, prospect theory, and hot versus cold cognition in describing emotion as a defining feature of Type 1 processing.

In contrast, other dual-process theories treat emotion as incidental to Type 1 and Type 2 processing. It is instructive that, in an extensive review of dual-process theories, Evans (2008) describes the role of emotion in decision making as “generally beyond the scope of this review” (p. 256). When they do consider emotion, such theories tend to place it in the intuitive category. For example, Evans (2008) notes, “it is clear that emotional processing would be placed in the System 1 rather than the System 2 list” (Evans, 2008, pp. 256-257). In contrast to the affect heuristic and the somatic marker hypothesis, this approach is agnostic with respect to whether emotion is generally beneficial or deleterious to the quality of decisions.

Still other dual-process theories acknowledge the potential for emotion to influence decision making but do not consider the influence of emotion to be a defining characteristic of intuitive (Type 1) processing. As Darlow and Sloman (2010, p. 385) argue, “While affect may

be an essential property or heuristic of intuitive decision making, there is little evidence of it at this point.” Evans and Stanovich (2013) acknowledge that some theories may incorporate aspects of emotion into Type 2 processing, but they do not cite any such theories. Notably, the association of emotion with Type 2 processing is not characteristic of dual process theories; instead, dual process theories tend to associate emotion with Type 1 processing, when they consider it at all.

***Positive versus negative influences of emotion on decision making.*** The hypotheses discussed above vary in their capacity to account for both positive and a negative influences of affect on decision making outcomes.

*Affect as information.* The affect-as-information hypothesis allows for both positive and negative effects of emotion on decision making: “Feelings can serve as a basis of accurate as well as mistaken inferences, depending on the relationship between the feeling and the target” (Schwarz & Clore, 2007, p. 4). For example, according to the mood congruence effect, internal feeling states may be attributed to external stimuli, such that the stimuli will be imbued with more positive characteristics if the decision maker is in a more positive mood. If the stimulus is itself positive, then this misattribution is benign and may even increase the likelihood of a good decision; however, if the stimulus is negative, this misattribution would result in a suboptimal decision.

*Affect heuristic.* Similarly, the affect heuristic allows for both positive and negative effects of emotion on decision making. Slovic et al. (2002) argue that the affect heuristic is beneficial when experience allows one to make an accurate prediction about the outcome of alternative decisions (a prediction that is facilitated by affective cues), but that the affect

heuristic would be harmful when one has insufficient experience to make an accurate prediction, or when the outcome contingencies have changed relative to one's experience.

*Risk as feelings.* As an example of an affect heuristic, the risk-as-feelings hypothesis also allows for both positive and negative effects of emotion on decision making. According to this account, decision making is generally improved by incorporating affective information. Slovic and colleagues argue, "Studies have demonstrated that analytic reasoning cannot be effective unless it is guided by emotion and affect....Both systems have their advantages, biases, and limitations" (2007, p. 311). One limitation of affective reasoning is that it may encourage decision makers to place reduced emphasis on probability and other forms of numerical information, such as probability (i.e., probability neglect; Rottenstreich & Hsee, 2001; Slovic et al., 2002; see review by Slovic & Peters, 2006).

*Prospect theory.* According to prospect theory, emotion provides input to the value function and, as such, helps decision makers to maximize utility: "A theory of choice that completely ignores feelings such as the pain of losses and the regret of mistakes is not only descriptively unrealistic. It also leads to prescriptions that do not maximize the utility of outcomes as they are actually experienced" (Kahneman, 2003, p. 465). This ascribes a positive role to emotion (and, by extension, Type 1 processing) in decision making. However, according to Kahneman's competitive-interventionist dual-process model, when a reasoning error occurs, it originates in Type 1 processing and persists if Type 2 processing fails to identify and correct it.

*Hot versus cold decision making.* The distinction between hot and cold cognition is often used to explain failures of willpower, such as the inability to delay gratification (Casey et al., 2011; see review by Gladwin & Figner, 2014; see also discussion by Chick, 2015). We are not aware of any instances in which "hot" cognition has been described as conferring a benefit;

instead, the hot-cold framework has highlighted negative influences of emotion on decision making.

*Somatic marker hypothesis.* Since the somatic marker hypothesis was developed out of research showing decision making deficits that arose from failure to process emotional information, much of the theory has focused on the beneficial role of emotion in decision making. However, the theory itself allows for both positive and negative effects of emotion on decision making. In a review, Reimann and Bechara (2010) argue, “Although most of the previous work in connection with somatic marker theory argued for the beneficial role of emotions in decision-making, unquestionably there are conditions under which emotions can be disruptive to decision making (p. 773). They continue, “It is not a simple matter of trusting biases and emotions as the necessary arbiter of good and bad decisions. It is a matter of discovering the circumstances in which biases and emotions can be useful or disruptive” (pp. 773-772).

### **Hypotheses based on dual-process theories**

Hypotheses about the cause of framing effects have included both cognitive and emotional mechanisms. In this study, we tested both explanations by administering a within-subjects cognitive manipulation of the framing task, as well as relating framing decisions to a between-subjects measure of performance on an emotion regulation task. Based on the results of these measures, we aimed to evaluate each theory on the basis of two questions. First, how does the theory predict that the cognitive manipulation would affect framing effects? Second, how does the theory predict that failure of emotion regulation would affect framing effects?

Many dual-process theories predict a positive effect of emotional information on decision making. However, this study was not designed to test these theories, for two reasons. First, our

emotion regulation task did not test the ability to meaningfully incorporate emotional information into decision options. Instead, we tested the ability to inhibit an approach response in the context of emotionally salient information. As a result, our study is better suited to test theories that attribute framing effects to poor emotion regulation. Second, there are no right or wrong answers in the framing effect, which makes it difficult to define what a “beneficial” effect on framing decisions would be. Although inconsistent risk preferences have been argued to be irrational (Frederick, 2005; Kahneman, 2003; Kahneman & Frederick, 2007), there is also evidence that framing effects reflect advanced thinking, insofar as they result from gist-based intuition. For example, adults show larger framing effects than do children and adolescents (see review by Chick & Reyna, 2012), and experts show larger framing effects than do novices (Reyna et al., 2014).

Although most of the theories acknowledge interactions between emotion and cognition, most are either primarily cognitive (with cognitive representation influencing the degree or type of emotional information that is incorporated) or primarily emotional (with the effect of emotion gated by the degree of analytical reflection and inhibition). Theories that emphasize cognitive processing, such as fuzzy-trace theory and prospect theory, make stronger predictions about the cognitive manipulation than about emotion regulation ability. In contrast, theories that emphasize affective processing make stronger predictions about emotion regulation ability than about the cognitive manipulation. Nonetheless, we indicate a prediction for each theory about both the cognitive manipulation and the individual difference measure. We also indicate specific results from each manipulation that would support or falsify each theory. It is possible that the results will reflect either cooperative or independent influences of both cognition and emotion, validating predictions by multiple theories.

**Fuzzy-trace theory.** In this study, the strongest test of fuzzy-trace theory concerns the effect of cognitive manipulations on framing effects. According to fuzzy-trace theory, framing effects are caused by categorical comparisons of some-none outcomes in decision options, such that decision makers prefer keeping something for sure over the possibility of keeping nothing (gain frame), and they prefer the possibility of losing nothing to losing something for sure (loss frame). This theoretical prediction is based on the fuzzy processing preference (Reyna & Brainerd, 1995; Setton et al., 2014), and it has been empirically demonstrated in multiple samples (e.g., Reyna et al., 2014; Chick et al., 2016).

Regarding the effect of emotion regulation on framing effects, fuzzy-trace theory predicts that meaningful emotional information is incorporated into gist-based processing (Reyna & Rivers, 2008). However, in this study we measured emotion regulation, rather than the ability to meaningfully integrate emotional information. Therefore, our study is not designed to test fuzzy-trace theory predictions about the role of emotion in decision making. According to fuzzy-trace theory, verbatim processing is more susceptible to interference from high-arousal states as might be reflected in sensation seeking, than is gist processing (Reyna, Estrada, De Marinis et al., 2011). Therefore, according to fuzzy-trace theory, if this trait had a differential influence on decision making in one cognitive condition compared to another, it would be in the verbatim condition. Again, however, this study was not designed to test this prediction. The critical test of fuzzy-trace theory, as implemented in this study, is that the cognitive manipulation should explain unique variance in influence decision making, over and above emotion regulation ability (e.g., Reyna et al., 2011). If the cognitive manipulation does not explain unique variance in influence decision making, over and above personality traits, the results will be inconsistent with a fuzzy-trace theory account of framing effects.

**Prospect theory.** According to prospect theory, the subjective utility of each option is determined by a value function. Prospect theory predicts that truncating the risky option should not influence framing effects, since removing the zero complement literally removes zero from the value of that option. Therefore, according to prospect theory, the expected value of framing options is the same regardless of how they are truncated. As a result, prospect theory predicts equal framing effects in all three truncation conditions. If the cognitive manipulation influences framing effects, this result will be inconsistent with prospect theory.

Regarding the effect of emotion regulation on framing effects, although prospect theory is distinct from dual process theories, Kahneman (2003) describes the value function as informed by emotional information, for example, as relayed through an affect heuristic. Therefore, although the original research on prospect theory does not reference emotion, more recent interpretations of prospect theory incorporate predictions by the affect heuristic. Given that prospect theory predicts the cognitive manipulation to have no effect on decision making, prospect theory also predicts equal effects of inhibition ability on framing effects in all three truncation conditions.

**Affect heuristic.** Multiple published papers have attributed framing effects to an affect heuristic, that is, an emotional response that is substituted for a more deliberative analysis of the options as the basis for a decision. For example, De Martino et al. (2006) argue that framing effects are “driven by an affect heuristic underwritten by an emotional system” (p. 686). Kahneman and Frederick (2007) develop this logic by situating the affect heuristic in the framework of a competitive-interventionist dual-process model. According to this model, framing effects arise not only from “an initial emotional reaction” (p. 45), but also from a failure to regulate that reaction. In other words, in this framework, framing effects result from

emotional processing that has not been regulated by Type 2 processing. Therefore, increased emotional reactivity should enhance framing effects, but better self-regulation should reduce them: “resistance to the framing effect might be mediated by...inhibiting impulsive responses” (Kahneman & Frederick, 2007, p. 45).

Therefore, according to the affect heuristic and the competitive-interventionist framework, poorer self-regulation should be associated with increased framing effects. As operationalized in our study, this means that a higher false alarm rate should be associated with increased framing effects. Moreover, this framework predicts that the effect should be selective to emotion regulation, as opposed to general self-regulation. Therefore, increased false alarm rate to emotional distractors should be associated with increased framing effects. Crucially, however, false alarm rate to calm distractors should be unrelated to framing effects. If emotion regulation is unrelated to framing effects, the results will be inconsistent with the affect heuristic account of framing effects.

**Hot versus cold cognition.** According to the hot-cold model of cognition, failures of self-regulation result from hot cognition, that is, affectively charged, motivationally salient processing that reflects physiological arousal (Gladwin & Figner, 2014). In contrast, successful self-regulation results from cool cognition, that is, deliberative thinking that is abstracted from motivational or affective salience. This framework is complementary to the affect heuristic, which predicts that framing effects are driven by affective reactivity (i.e., hot cognition), and with the competitive-interventionist model proposed by Kahneman and Frederick (2007), which predicts that framing effects result from both an emotional impulse (i.e., hot cognition) and a failure to inhibit that impulse (i.e., a lack of cool cognition).

The hot-cold framework has been used to explain the mechanisms of self-regulation in the emotional go/no-go task Casey et al. (2011). As a result, this framework makes clear predictions about the relation between emotion regulation and framing effects: If framing effects, like false alarms in the emotional go/nogo task, result from the failure to inhibit emotional reactivity, then a higher false alarm rate to emotional distractors in the emotional go/no-go task should be associated with an increased susceptibility to framing effects.

### **Behavioral findings relating framing to emotion regulation**

If framing effects are driven by emotional reactivity, as predicted by the affect heuristic and hot-cold framework, then improving emotion regulation should decrease framing effects. There is some evidence that this is the case. Studies on interoceptive awareness, emotional context, and affective perspective taking have implicated increased affective processing in increased susceptibility to framing effects. For example, Cheung and Mikels (2011) found that positive affect (indicated by affect ratings following each decision) was associated with increased risk seeking in the loss frame. Participants who were instructed to "let their emotions guide their choices" showed an almost identical pattern of choices to those who received no instruction. This result is consistent with the hypothesis that emotional reactivity may drive framing effects. Similarly, Fagley, Coleman and Simon (2010) found that asking participants to say what they would feel in framing scenarios resulted in increased framing effects for men (women showed framing effects equally in the control and feelings conditions; the authors suggest that women may automatically consult their feelings when making framing decisions, whereas men may do so only when prompted). Higher scores on a measure of affective perspective taking was associated with increased framing effects for women but not for men.

One study (Sütterlin, Schulz, Stumpf, Pauli & Vögele, 2012) found that increased interoceptive awareness (i.e., cardiac awareness) was associated with increased framing effects. Visceral information such as heart rate is ostensibly emotional, in that it reflects physiological arousal), and the study is suggestive of a relationship between sensitivity to physiological arousal and framing decisions. However, does not demonstrate a trial-by-trial relation between physiological activation framing decisions, making it difficult to infer any mechanistic role for interoceptive awareness in framing behavior.

In contrast, other studies have reported an inverse relationship between affect and framing. Cassotti, Habib, Poirel et al. (2012) found that framing effects were eliminated following positive affective priming (i.e, showing an emotional IAPS image before each framing decision). In particular, loss aversion decreased (i.e., participants were more likely to accept a sure loss instead of taking a risk to avoid the loss) following presentation of a positively valenced image. Negative emotional priming (i.e., showing negative images prior to each framing decision) did not alter the pattern of framing decisions. The authors interpret this result as "strongly reinforc[ing] the dual-process view that the framing effect stems from an affective heuristic belonging to intuitive System 1" (p. 926). However, their result is inconsistent with the prediction that heightened emotional processing would increase framing effects. This result also partially contradicts that reported by Cheung and Mikels (2011, who found that positive affect was associated with risk seeking for losses; however, both studies reported no effect of positive affect on risk preferences for gains).

Habib et al. (2015) found that affect priming (showing photographs of emotional faces prior to each framing decision) affected risk preferences in the gain frame but not in the loss frame. The authors found that subjects were risk-averse in the context of fearful faces, but risk-

seeking in the context of anger. The opposite effect of these two emotions suggests that emotion may play a more nuanced role in framing decisions than has previously been assumed. Additionally, this affective manipulation had no effect on risk preferences in the loss frame, suggesting a different process explanation for the role (if any) of emotion in loss frame decisions.

To summarize, convergent evidence suggests that increased emotional reactivity is associated with increased framing susceptibility and, likewise, that emotion regulation may decrease susceptibility to framing effects. However, a mechanistic account of how emotional reactivity increases framing behavior, or how emotion regulation decreases it, is lacking. Studies have also reported effects of affective primes on framing behavior, but the contradictory results of priming with different emotions suggest that emotion plays a far more nuanced role in framing decisions than has been previously characterized. Some studies have reported that emotional processing enhanced framing effects, but others have reported that it decreased them. Crucially, our study focuses not on emotional processing, but on the ability to inhibit emotional responses, which is more consistent with the affect heuristic account of framing effects (i.e., a *failure to inhibit* an emotional response; Kahneman & Frederick, 2007).

### **Emotional go-nogo task**

The emotional go/no-go task, in which participants must press a button in response to a target emotion but withhold responses to other emotions, has been used to assess individual differences in self-regulation. For example, in a longitudinal study, Casey, Somerville, Gotlib, et al. (2011) administered a facial emotional go/no-go task to adult participants who, as children, had completed the marshmallow task, a measure of ability to delay gratification (Mischel et al., 1972; Mischel, Shoda & Rodriguez, 1989). Adults who, as children, preferred one marshmallow

now to two marshmallows later (low delayers) performed comparably to high delayers on a non-emotional “cool” go/no-go task (which consisted of neutral faces with gender as the response cue). However, in an emotional “hot” version of the task (with happy or sad faces as cues), low delayers committed more false alarms relative to their performance in the neutral task.

Moreover, the neural substrates of performance differed by delay group in the emotional, but not the neutral, version of the task. These findings suggest that performance on the emotional go/no-go task corresponds to real-world behavior.

### **Emotional go/nogo task: Previous findings**

**Emotional compared to non-emotional version of task.** In a within-subjects comparison, Schulz, Fan, Magidina et al. (2007) report moderate correlations between emotional and non-emotional versions of the go/no-go task (false alarm rate,  $r = .56$ ; reaction time,  $r = .73$ ; variability in false alarm rate,  $r = .73$ ). Performance was generally better in the non-emotional version of the task, in which participants had faster reaction times, fewer false alarms, higher sensitivity ( $d$ -prime), and lower response bias (criterion) than in the emotional version of the task. The study also found differences in the effect of number of preceding go trials, depending on the version of the task. In both versions of the task, false alarm rate increased on trials with five or more preceding go trials. Additionally, reaction time decreased with increasing number of preceding go trials in both tasks. However, the effect on reaction time was more pronounced in the emotional version of the task. Schulz et al. (2007) interpret these results as evidence that emotional and non-emotional versions of the task draw on partially overlapping cognitive processes. However, task differences in this study should be interpreted with caution, due to potential differences in perceptual demands between the stimuli used in the emotional (faces) and non-emotional (colored shapes) versions used in this study.

More recent studies have used calm or neutral faces, rather than colored shapes, as the non-emotional version of the task, in order to control for perceptual processing of faces (e.g., Hare, Tottenham, Davidson, Glover & Casey, 2005; Hare, Tottenham, Galvan et al. 2008; Somerville, Hare & Casey, 2011; Tottenham, Hare, Millner et al., 2011). Although these studies usually pair calm faces with emotional faces, Casey et al. (2011) used a gender go/no-go control condition, in which participants responded based on the gender of a calm/neutral face, in order to create a control condition devoid of emotional context.

Results of studies using calm faces as the control condition are partially consistent with those reported by Schulz et al. (2007). For example, Tottenham et al. (2011) report that the false alarm rate was higher, and discrimination was lower, in trials with calm targets and emotional distractors than in trials with emotional targets and calm or emotional distractors. This suggests that it is particularly difficult to withhold responses to emotional distractors. Consistent with this finding, Casey et al. (2011) report that participants who were more successful at delaying gratification as children (i.e., high delayers) showed increased activation in the right inferior frontal gyrus in response to emotional distractors than in response to emotional targets. This suggests that it may be particularly difficult to withhold a response to an emotional face, and that effective self-regulators may recruit increased prefrontal activation in order to achieve this more challenging goal.

**Valence effects.** Previous studies have also noted valence-based differences within the emotional version of the task. There is consistent evidence of a “happy face advantage,” which describes a mix of performance benefits such as faster reaction times (Hare et al., 2008; Schulz et al., 2007) and lower miss rates (Somerville et al., 2011), as well as performance detriments such as increased false alarm rate (Casey et al., 2011; Hare et al., 2005) and lower discrimination (d-

prime; Hare et al., 2008). This pattern of results suggests that happy faces may confer perceptual processing advantages or may activate an increased approach tendency, which facilitates fast responses to happy stimuli but makes it more difficult to withhold such responses. Previous studies have reported increased activation in striatal regions in response to happy faces. For example, Hare et al. (2005) report higher caudate activation during happy distractors relative to other trial types; moreover, caudate activation during happy distractors increased with increasing false alarm rate to happy distractors. Similarly, Casey et al. (2011) report that people who were unable to delay gratification as children (i.e., low delayers) showed higher ventral striatum recruitment during happy no-go trials versus other trial types in the emotional version of the task.

Previous studies have also found distinct effects of negatively valenced stimuli. For example, reaction times tend to be slower for fearful targets than for happy or calm targets (Hare et al., 2005, 2008). Increased reaction time to fearful targets was associated with increased amygdala activation (Hare et al., 2005), and amygdala was higher for fearful than for calm faces (Hare et al., 2008). Moreover, increased amygdala activation in response to fearful targets was associated with a larger difference in reaction times between fearful and happy targets (Hare et al., 2008). In contrast, increased activation in the ventral prefrontal cortex during fearful targets, compared to happy targets, was associated with a faster reaction time to fearful targets (Hare et al., 2008). As discussed by Hare et al. (2008), these results suggest that it is more difficult to approach a negative stimulus than to approach a positive or neutral stimulus, and activation in the ventral prefrontal cortex may support the increased effort required to overcome the tendency to avoid negative stimuli.

In summary, emotional and non-emotional versions of the go/no-go task rely on partially overlapping cognitive processes. Valence-specific effects have also been reported, such that

happy faces tend to facilitate approach behavior; in contrast, approaching fearful or negatively valenced stimuli may require additional effort. Although the inferior frontal gyrus has been associated with successful inhibition regardless of valence (Casey et al., 2011), studies have also reported activation in distinct brain regions depending on valence. Whereas striatal activation is associated with withholding response to happy distractors (Casey et al., 2011; Hare et al., 2005), activation in the amygdala is associated with approaching fearful targets (Hare et al., 2005, 2008).

Differences between emotional and non-emotional versions of the task, and between positive and negative valence, are most strongly expressed in the no-go condition. That is, it may be more difficult to withhold response to an emotional distractor than to a non-emotional distractor. Happy distractors are particularly compelling, as evidenced by decreased reaction time and increased false alarm rate; moreover, individual differences in self-regulation ability have frequently been captured by the ability to withhold response to happy distractors (e.g., Casey et al., 2011; Hare et al., 2005, 2008; Somerville et al., 2011).

## **Methods**

### **Participants**

Ninety-nine participants (69 female) completed both a framing task and an emotional go/no-go task. They ranged in age from 18 to 41 years ( $M = 22.03$ ,  $SD = 4.44$ ). Participants were 38.4% Caucasian, 34.2% Asian American (including 12.1% Chinese, 12.1% Korean, 4.0% Japanese, 1% Filipino, 1% Vietnamese, and 1% “other Asian”), 17.2% African-American, 4.0% Asian Indian, 1% Native American/American Indian, and 4% mixed ethnicity. 4% of participants identified as “other race/ethnicity.” 15.2% of participants identified as Hispanic, Latino, or Spanish (including 8.1% Mexican, Mexican American, or Chicano; 3% Puerto Rican;

3% Central or South American; and 1% Spanish).

A subset of 26 participants (15 female) completed the framing task inside an MRI scanner. This subset ranged in age from 18 to 35 years ( $M = 22.92$  years,  $SD = 4.88$ ). Participants were 42.3% Caucasian, 42.2% Asian-American (including 26.9% Korean, 11.5% Japanese, and 3.8% Filipino), and 15.4% African-American. 15.4% of participants identified as Hispanic, Latino or Spanish (all of these were Mexican, Mexican-American, or Chicano). Twenty-five of the 26 participants had usable data from the emotional go/no-go task; one was excluded due to poor response rate.

Age was restricted to between 18 and 45 years; the upper age limit guarded against potential age-related differences in cognitive processing (Brainerd, Reyna, & Howe, 2009). fMRI participants were recruited from the Columbia University campus and surrounding region (New York, NY). Behavioral participants were recruited from the Cornell University campus and surrounding region (Ithaca, NY). The study was conducted with the approval of the Institutional Review Boards at both Cornell and Columbia Universities. All participants provided informed consent. Participants were compensated with a fixed monetary sum that did not depend on performance.

fMRI participants were screened to exclude left-handedness, psychiatric disorder, current use of psychoactive medications, prior head trauma with loss of consciousness, learning disability, current serious medical problems, premature birth, current pregnancy, or serious physical handicap preventing completion of study tasks. Safety exclusions included history of surgery involving metal implants, possible metal fragments in the eyes, braces, pacemaker, pregnancy, a history of claustrophobia, or weight over 220 lbs.

## **Procedure**

After providing informed consent, all participants received disambiguation instructions to ensure that they did not make assumptions that might alter the numerical value of truncated risky options (see Chick et al., 2016, for instructions and questionnaires; results reported by Chick et al. showed that framing and truncation effects remained significant following disambiguation). After completing a questionnaire to ensure comprehension of these disambiguation instructions, participants completed a set of risky choice framing problems either on a computer screen or in an fMRI scanner. Participants completed demographic and individual difference scales that were presented on computers in the laboratory or via secure internet. fMRI participants completed a subset of the individual differences scales (specified below). Participants also completed an emotional go/no-go task. Due to time constraints, fMRI participants completed the emotional go/no-go task on their home computers or in the laboratory; behavioral participants completed the task in the laboratory.

## **Materials**

**Framing problems.** The framing paradigm was a 2 X 2 X 3 X 5 within-subjects design with frame (gain, loss), content (lives, money), truncation (zero complement, both complements, non-zero complement), and replication (1-5) as factors. Accordingly, in each problem, either lives or money were at stake, the sure and risky options were described as either gains or losses, and the risky option was truncated in one of three ways (described below). Using different preambles, each type of problem from this factorial design was presented five times, for a total of 60 problems per subject. In all problems, the expected values of the sure and risky options were equal. See *Figure 1* for a schematic of the factorial design.

**Truncation.** Keeping the sure option constant, the risky option was manipulated to present only the zero-complement, only the non-zero complement, or both complements (Chick et al.,

2016 Reyna et al., 2014). In the typical version of a framing problem, such as the Asian disease problem, participants choose between saving 200 people versus a 1/3 chance of saving 600 and a 2/3 chance of saving no one; that is, both complements of the risky option are presented (e.g., 1/3 chance of saving 600, 2/3 chance of saving no one). The zero complement is the outcome in which no one is saved (gain frame) or dies (loss frame) when lives are at stake. Similarly, when money is at stake, the zero complement is the one in which no money is won (gain frame) or no money is lost (loss frame). In the above example, the zero complement is the 2/3 chance of saving no one. The non-zero complement is the one in which some number of lives are saved (gain frame) or die (loss frame) when lives are at stake. Similarly, when money is at stake, the non-zero complement is the one in which some amount of money is won (gain frame) or lost (loss frame). In the above example, the non-zero complement is the 1/3 chance of saving 600. See Table 1 and Table 2 for examples of each truncation in the gain and loss frames, respectively.

***Problem sets.*** Twenty problems, modeled after the Asian Disease Problem (Tversky & Kahneman, 1981; see also Chick et al., in press, and Reyna et al., 2014), were used. In half of the problems, lives or other valued outcomes were at stake, and in the other half, money was at stake. For each problem, six versions of the sure and risky options were created, reflecting a factorial crossing of frame (gain, loss) with truncation (zero complement presented, both complements presented, non-zero complement presented). For a given problem, the expected outcomes of sure and gamble options were mathematically equivalent across frames and truncations. The resulting 120 framing problems were divided into two sets of 60 problems each, so that the gain and loss versions of the options for each problem appeared in different stimulus sets. Each subject received problems from only one of the two stimulus sets, so that none received both the gain and loss versions of the same problem. Stimuli from each set were

presented in a fixed pseudorandom order, such that the same problem could not appear twice in a row.

Thus, each subject completed a total of 60 problems: 30 problems in the loss frame and 30 problems in the gain frame. Subjects completed 20 of the 60 problems in each of three truncations of the risky option (*i.e.*, zero complement presented, non-zero complement presented, or both complements presented). These 60 problems were divided into two pseudorandomized and counterbalanced runs of 11 minutes and 20 seconds each.

***Trial sequence.*** We selected the timing of scenarios and decision screens based on repeated piloting. We also obtained feedback from participants. During piloting, we ensured that participants were able to read the scenarios and respond within the allotted time.

Each trial included presentation of a fixation cross (4.5 s), followed by the problem (7 s), presentation of the sure and risky options (up to 8 s, during which participants entered their selection via button press), and a confidence rating for their choice (“How confident are you in your decision?” with response from 1 [not at all] to 5 [completely], up to 3 s). The decision phase (sure vs. risky option) lasted only until a response was entered, at which point the next screen (confidence rating) appeared. Similarly, the confidence phase lasted only until the participant entered a rating, at which point the next screen appeared. The other phases (fixation cross and problem) did not vary in duration. For behavioral participants, framing stimuli were presented on a computer screen using PsychoPy (Peirce, 2007), and participants responded using a mouse click. Timing parameters were identical in the behavioral version and the fMRI version of the task. For fMRI participants, stimuli were delivered using the Presentation software (Neurobehavioral Systems Inc., Albany, CA, 2010; [www.neurobs.com](http://www.neurobs.com)). fMRI participants viewed the stimuli via a projector and a mirror attached to their head coil, and they indicated

their responses using a five-button MRI-compatible keypad operated with their right hand. See *Figure 2* for a schematic of the trial sequence.

**Emotional go/no-go task.** The emotional go/no-go task (Hare et al., 2005, 2008) measures the ability to withhold a prepotent motor response; it has been used as a measure of emotional inhibition (Casey et al., 2011; Somerville et al., 2011; Tottenham et al., 2011). The task requires participants to monitor a series of emotional faces presented individually in the center of a computer screen and to respond as rapidly as possible by pressing the space bar in response to target stimuli (go cues), while withholding responses to non-target stimuli (no-go cues). The stimuli for go and no-go cues consisted of grayscale images of 12 actors (6 female, 6 male) with happy, fearful, or calm facial expressions (MacBrain “NimStim” Face Stimulus Set: [www.macbrain.org](http://www.macbrain.org); Tottenham, Tanaka, Leon et al., 2009). Models were used from each of the following races: African American (2 female, 2 male), Asian American (2 female, 1 male), and Caucasian (2 female, 3 male). Images were normalized for size and luminance.

Each participant completed six task blocks, representing every possible target-Distractor combination of emotions. Each task block contained 48 trials, 75% of which were target stimuli. Blocks were presented in an order that was randomized for each participant. Within each half block, stimuli were sampled without replacement so that the same number of targets was presented in the first and second halves of each block. Each Distractor was preceded by one to six targets, and two Distractors never appeared consecutively.

Instructions were displayed on the computer screen at the beginning of each block. Faces were presented in the center of the screen for 500 ms each. The interstimulus interval (ISI) was pseudorandomized from 1,250 to 1,750 ms (mean per block = 1,500 ms) to discourage anticipatory responses. A fixation cross was displayed in the center of the screen during the ISI.

### **Image Acquisition**

Imaging was conducted using a 1.5 Tesla General Electric Signa MRI scanner (GE Healthcare, Waukesha, Wisconsin) equipped with an 8-channel head coil (High-Resolution Head Coil, Rev. 4; Invivo, Gainesville, FL). Whole-brain blood oxygen-dependent (BOLD) functional images were acquired using a T2\*-weighted, bottom-up, interleaved sequence. The parameters were as follows: repetition time (TR) = 2000 ms; echo time (TE) = 35 ms; flip angle = 84 degrees; field of view (FOV) = 22.4 cm; matrix size = 64 x 64. There were 340 volumes acquired during each of the two runs. Each volume contained 27 slices and had a slice thickness of 4 mm (gap = 0 mm) and an in-plane resolution of  $3.5 \times 3.5$  mm. Structural images were acquired with a T1-weighted spoiled gradient recalled (SPGR) sequence (TR = 19 ms, TE = 5 ms, flip angle = 20, FOV = 25.6 cm) recording 180 slices with a slice thickness of 1 mm and an in-plane resolution of 1x1 mm.

### **Behavioral Data Analysis**

**Signed confidence.** In the signed confidence measure, each decision is weighted according to the confidence rating for that decision (Reyna et al., 2014). Signed confidence was calculated by multiplying the confidence rating (1-5) for each decision by -1 if the sure option was selected or by +1 if the risky option was selected. Compared to decision, signed confidence is a more sensitive measure of framing behavior because it allows participants to indicate how strongly they endorse the option they chose, given that each problem requires a forced binary choice (Chick et al., 2016; Mandel, 2014; Reyna et al., 2014).

**Emotional Go/No-Go performance.** In order to account for repeated measurements within subjects, we modeled reaction time and response on each trial using a multilevel mixed model (Baayen, Davidson, & Bates, 2008) with subject, block and individual trial (i.e., residual)

as levels. Using reaction time (in milliseconds) as a dependent variable, a generalized linear mixed model was run in SPSS Version 22 (IBM SPSS, Inc., Sanborn, NY, USA). Using response accuracy (correct = 1, error = 0) as the dependent variable, a multilevel mixed effects logistic regression was run in STATA Version 14 (StataCorp LP, 2015, College Station, TX). The latter model was run in STATA because this program can accommodate more than two levels of observation in a mixed effects logistic regression.

In order to exclude data that reflected lack of attention rather than participants' best effort, blocks with a response rate 3 standard deviations below the mean were excluded from all analyses. This resulted in excluding blocks with response rates of 42.535% or below (2.4% of blocks). The excluded blocks are likely to reflect lack of attention, rather than a conservative response bias, for two reasons. First, "go" was the correct response on 75% of trials, and the mean response rate ( $M = 76.21\%$ ,  $SE = 11.23\%$ ) indicates that participants tended to over-respond (i.e., false alarms) rather than under-respond (i.e., misses). Second, a histogram of response rates prior to exclusions showed that the distribution was skewed left. Removing these outliers resulted in a more normal distribution of response rates. Normal distributions are assumed for most measures of signal detection theory; for example, sensitivity is only independent of response bias if both signal and noise are normally distributed (Stanislaw & Todorov, 1999). In addition, trials in which reaction time was three standard deviations below the mean ( $M = 460.45$ ,  $SD=139.33$ ) were excluded from analyses of reaction time (Tottenham et al., 2011). This resulted in the additional exclusion of 1.66 % of trials.

Signal detection theory measures (Green & Swets, 1966; Stanislaw & Todorov, 1999) were calculated in order to characterize each participant's performance on the go/no-go task. Hits were defined as commissions on go trials, whereas misses were defined as omissions on go trials.

Correct rejections were defined as omissions on no-go trials, whereas false alarms were defined as commissions on no-go trials. Hit rate was calculated as the number of hits divided by the number of go trials. False alarm rate was calculated as the number of false alarms divided by the number of no-go trials. In previous reports, false alarm rate has been interpreted as a measure of inhibition; likewise, false alarm rate to emotional Distractors has been interpreted as a measure of emotional modulation of inhibition (Schulz et al., 2007; Tottenham et al., 2011).

Criterion (C) represents each participant's threshold for interpreting each stimulus as a target (Snodgrass & Corwin, 1988). A low criterion would result in a tendency to press the space bar on most trials, regardless of the stimulus type (target or Distractor). Thus, the value of C for happy and fearful faces represents a measure of response bias toward emotional faces. C was calculated by multiplying -1 times the average of the standardized (i.e., z-transformed) hit rate and the standardized false alarm rate. Positive values of C indicate a conservative bias (the tendency to withhold response), negative values indicate a liberal bias (the tendency to respond), and a value of zero indicates no bias.

Sensitivity ( $d'$ ) measures the ability to discriminate between targets and Distractors. In contrast to hit rate or false alarm rate, sensitivity is independent of the participant's response bias. Sensitivity was calculated by subtracting the standardized (i.e., z-transformed) false alarm rate from the standardized (i.e., z-transformed) hit rate (Stanislaw & Todorov, 1999). Larger values of  $d'$  indicate better performance; a  $d'$  value of 0 would indicate an inability to distinguish targets from Distractors.

Because performance on this task involves a tradeoff between speed and accuracy, we also quantified this tradeoff. Speed-accuracy tradeoff (SAT) was calculated as the ratio of standardized reaction time to standardized false alarm rate (Tottenham et al., 2011). A low SAT

could result from either fast responses or high false alarm rates; alternatively, a high SAT could result from either slow responses or low false alarm rates. Thus, SAT represents the cost (i.e., increased reaction time) of correctly withholding a response.

To summarize, criterion (i.e., response bias) represents the participant's threshold for interpreting a stimulus as a target. In contrast, sensitivity ( $d'$ ) measures each participant's ability to discriminate between emotional expressions and is independent of the participant's response bias. Speed-accuracy tradeoff measures the additional reaction time required in order to correctly withhold a response. For each participant, these measures were calculated overall (i.e., collapsing across block type) as well as separately for each block (i.e., separately for each unique pair of target and Distractor emotions). Variables were standardized (i.e., z-transformed) with respect to the group mean and SD after excluding blocks based on low response rate, as described above (i.e., blocks in which response rate was three standard deviations below the mean were excluded).

**Relating emotion regulation to framing decisions.** Because previous studies have reported that the ability to withhold response to emotional distractors is a reliable indicator of individual differences (e.g., in delay of gratification, Casey et al., 2011; in brain activation, Casey et al., 2011; Hare et al., 2005, 2008; Somerville et al., 2011), we selected on accuracy on nogo trials as a measure of self-regulation in emotional contexts. We followed previous studies in selecting false alarm rate in order to facilitate comparison with previous findings, and because hypotheses about the role of emotion in framing decisions focus on failure to inhibit an emotional response.

### **fMRI Data Analysis**

**Preprocessing.** Images were analyzed using SPM8 (Wellcome Department of Imaging

Neuroscience, London, UK, 2009; [www.fil.ion.ucl.ac.uk/spm](http://www.fil.ion.ucl.ac.uk/spm)) implemented in MATLAB R2012b (MathWorks, Natick, Massachusetts, USA: Ged Ridgway, [http://www.cs.ucl.ac.uk/staff/g.ridgway/vbm/get\\_totals.m](http://www.cs.ucl.ac.uk/staff/g.ridgway/vbm/get_totals.m)). The first four acquisitions were discarded to allow for T1-equilibration effects. Preprocessing in SPM8 began with slice-timing correction to adjust for differences in timing of the interleaved slice acquisition. Images were then realigned to correct for head movement. The SPGR image from each subject was coregistered to the group mean functional image output from spatial realignment. Realigned images were then normalized to the EPI Montreal Neurological Institute (MNI) template. Smoothing was applied to the normalized images with an 8mm full-width half-maximum (FWHM) Gaussian kernel. Images were also individually screened for scan stability (< 3mm head movement) and imaging artifacts. In order to increase the accuracy of spatial normalization and reduce multiple comparisons from voxels outside of gray matter, skull stripping was performed in AFNI (Cox, 1996, 2011).

**Whole-brain contrasts.** BOLD signal during the framing task was analyzed as an event-related design. At the individual level, statistical regressors were constructed for each decision in each frame: *Gain(gamble)*, *Gain(sure)*, *Loss(gamble)*, *Loss(sure)*. This was done separately within each truncation condition (zero complement presented, non-zero complement presented, both complements presented), for a total of 12 statistical regressors of interest per participant. (fMRI analyses collapsed across the lives/money factor, since this factor showed no effect in behavioral analyses). Six motion correction regressors were added to the model as regressors of noninterest. For each regressor of interest, events were modeled using a canonical hemodynamic response function convolved with a stick function at the presentation of each decision. For each trial, only the decision phase was modeled for this report. The decision phase began with the

onset of the options screen and ended when the subject entered a response via button press (lasting up to 8 s). Trials in which participants entered no response were excluded. The last 500 ms of each response phase were excluded from analysis to reduce motion artifacts. Thus, the modeled portion of each decision phase lasted up to 7.5 s. Scanner drift and other low-frequency noise were removed from the image time series using a 128 s high-pass filter. Parameter estimates from each regressor were used to calculate individual-level contrasts.

Contrast images from each participant were used for the group-level random-effects analysis, with statistical maps calculated for each contrast using a one-sample  $t$ -test or an  $F$ -test when appropriate. Standard framing was defined as  $(Gain_{\text{sure}} + Loss_{\text{gamble}}) - (Loss_{\text{sure}} + Gain_{\text{gamble}})$  and was examined within each truncation condition (zero complement presented, non-zero complement presented, both complements presented), as well as across truncations. We also examined the reverse interaction, which reflected resistance to framing bias, or reverse framing (De Martino et al., 2006). Statistical significance was initially established at a threshold of  $p < .001$ , uncorrected, with a minimum cluster size ( $k$ ) of five contiguous voxels. Region-of-interest analyses were then thresholded at  $p < .05$ , correcting for familywise error rate (FWE) at the cluster level. All coordinates are reported in MNI space. See *Figure 3* for a schematic of the first-level analysis.

In order to test hypotheses by multiple dual-process theories, we analyzed fMRI data collected during framing decisions in order to identify regions whose activation during framing effects co-varied with emotion regulation in the go/no-go task. Therefore, we ran a GLM analysis on the contrast Framing > No Framing, as well as its valence-specific subcomponents (Gain Sure > Gain Risk and Loss Risk > Loss Sure), using false alarm rate to emotional distractors as a covariate. We also conducted separate analyses of false alarm rate to happy

distractors, and false alarm rate to fearful distractors, in order to discern valence-specific effects. Finally, we conducted control analyses of false alarm rate to calm distractors in order to verify that effects identified in the previous analyses were specific to emotional distractors, as opposed to general task characteristics. In order to correct for multiple testing, *a priori* region of interest analyses were thresholded at  $p < .05$ ,  $k = 5$ , corrected for familywise error rate. Corrected *p*-values are reported at the cluster level. Exploratory whole-brain analyses are reported at an uncorrected peak-level threshold of  $p < .001$ ,  $k = 5$ . Whole-brain analyses that survived familywise error correction at the cluster level are noted below.

**Region-of-interest (ROI) analyses.** Regions of interest were defined *a priori* based on published literature, and analyses were constrained to these regions. There is a strong precedent among recent cognitive fMRI studies for constraining analyses to pre-defined regions of interest (Batterink, Yokum & Stice, 2010; Brahmatt, McAuley & Barch, 2008; Chung, Paulsen, Geier, Luna & Clark, 2015; Frank, Gagne, Nyhus, Masters, Wiecki et al., 2015; Locke & Braver, 2008; Paulsen, Hallquist, Geier & Luna, 2014; Padmanabhan, Geier, Ordaz, Teslovich & Luna, 2011; Strang & Pollack, 2014). Poldrack (2007) discusses three reasons to use region-of-interest analyses: exploration, statistical control, and functional specification. We conducted ROI analyses for the latter two reasons.

*A priori* regions of interest for emotional reactivity included the bilateral amygdala (Hare et al., 2005, 2008), caudate (Hare et al., 2005; Somerville et al., 2011), and nucleus accumbens (Casey et al., 2011). Regions of interest for successful inhibition included the inferior frontal gyrus (Casey et al., 2011; Somerville et al., 2011) and inferior parietal lobule (Casey et al., 2011). Masks for bilateral amygdala and caudate were created in the Harvard-Oxford cortical and subcortical atlases. Additionally, we created masks defined as spheres with a radius of 6 mm

centered on the peaks of the inferior frontal gyrus (IFG) and inferior parietal lobule (IPL) coordinates reported by Casey et al. (2011), which reflected increased activation to no-go relative to go trials during the emotional version of the task in high delayers. We selected these results as regions of interest because they reflected two types of self-regulation: delay of gratification and the ability to withhold prepotent responses in the go/no-go task (Casey et al., 2011). In order to test the hypothesis that framing effects are driven by emotional reactivity, masks of the amygdala, caudate and nucleus accumbens were applied to framing-consistent contrasts (i.e., Framing > No Framing, Gain Sure > Gain Risk, and Loss Risk > Loss Sure). In order to test the hypothesis that resistance to framing effects is supported by cognitive control, masks of the IFG and IPL were applied to reverse-framing contrasts (i.e., No Framing > Framing, Gain Risk > Gain Sure, and Loss Sure > Loss Risk).

**Thresholding.** As recommended by Woo, Krishnan and Wager (2014), we set a primary threshold of  $p < .001$  (with a cluster-level extent threshold,  $k$ , of five contiguous voxels), followed by correction for multiple comparisons using a familywise error rate (FWE) of  $p < .05$ . As defined by Nichols and Hayasaka (2003), under a null hypothesis of no activation in any voxels, the familywise error rate is the probability of incorrectly rejecting the null hypothesis for at least one voxel; in other words, the probability of a Type 1 error (i.e., false positive) for one or more voxels. For ROI analyses, we report activations that survive FWE correction at the cluster level. Cluster-level and peak-level reflect different correction methods. At the peak level, FWE correction is performed by comparing the magnitude of activation in the peak voxel within a cluster (i.e., the voxel with the largest t-value, or maximum statistic) against the distribution of that maximum statistic under the null hypothesis of no activation (Nichols & Hayasaka, 2003).

Corrections at the peak level are thereby made on a single voxel, accounting for the number of voxels searched in the entire brain. As a result, they do not account for cluster size.

In contrast, FWE correction at the cluster level is achieved by comparing the size of the observed cluster (i.e., the number of contiguous voxels that survived a primary uncorrected threshold) to the probability that, among voxels that passed the primary threshold, a cluster of the same size would pass that primary significance threshold by chance alone. In other words, “The cluster-level p-value does not determine the statistical significance of activation at a specific location or voxel(s) within the cluster. Rather, it describes the probability of obtaining a cluster of a given size or greater under the null hypothesis,” where the null hypothesis is that no voxel in the cluster is active (Woo et al., 2014, p. 413). Therefore, significance following correction at the cluster level does not guarantee that every voxel within the cluster survives peak-level correction. Due to the different methods of correcting for FWE at the peak versus the cluster level, it is not assumed that activations surviving correction at the peak level will necessarily also survive correction at the cluster level, or vice-versa. Furthermore, whether one form of correction is more conservative than the other depends on both the size of the cluster and the magnitude of activation in the peak voxel (i.e., the maximum statistic).

## **Results**

### **Emotional go/no-go behavior**

Means for behavioral measures of performance are presented in Table 3 for the full behavioral sample and Table 4 for the subsample of participants who completed the framing task in an MRI scanner. Here, we report the results of the repeated measures ANOVAs for each sample separately. Note that a repeated measures ANOVA includes only subjects who contribute data from all six conditions. Subjects who are missing any of these conditions are

excluded from the analysis. Of the 26 fMRI subjects who completed the emotional go/no-go task outside of the scanner, three were missing at least one of the six conditions (two due to lack of completion; one due to low response rate). Therefore, 23 of the 26 subjects were included in the ANOVAs that were run on all six conditions. The same three participants were excluded from analyses of the larger sample, which included 98 of the 101 participants.

**Dprime.** We ran a repeated measures ANOVA with dprime as the dependent variable, emotion (calm, happy, fear) and stimulus type (target, distractor) as within-subjects variables, and age (continuous) and gender as between-subjects variables.

**Full behavioral sample.** In the full model, we observed a main effect of Emotion,  $F(2, 190) = 4.566$ ,  $p = .012$ ,  $\eta_p^2 = .046$ , and an interaction between Emotion and Stimulus Type (target, distractor),  $F(2, 190) = 3.384$ ,  $p = .036$ ,  $\eta_p^2 = .034$ . Planned comparisons of the interaction revealed that discrimination depended on both the target emotion and the distractor emotion. Discrimination was highest for happy targets ( $M = 3.133$ ,  $SE = .059$ ), intermediate for fearful targets ( $M = 2.619$ ,  $SE = .051$ ), and lowest for calm targets ( $M = 2.191$ ,  $SE = .058$ ). All pairwise comparisons between target emotions were significant (Happy – Calm, mean difference = .943,  $SE = .076$ ; Happy – Fear, mean difference = .513,  $SE = .065$ ; Fear – Calm, mean difference = .430,  $SE = .070$ ; all  $p < .001$ ). Planned comparisons also revealed that discrimination depended on the emotion of the distractor. Discrimination was higher for calm distractors ( $M = 2.901$ ,  $SE = .059$ ) than for fearful distractors ( $M = 2.444$ ,  $SE = .048$ ; mean difference = .457,  $SE = .072$ ,  $p < .001$ ) or happy distractors ( $M = 2.476$ ,  $SE = .066$ ; mean difference = .425,  $SE = .087$ ,  $p < .001$ ). This reflects the fact that calm distractors were always paired with happy or fearful targets, which had the highest discrimination rates. Main effects of, and interactions including, age and gender were not significant (all  $p > .3$ ).

When age and gender (which were nonsignificant) were excluded from the model, we observed significant effects of Emotion,  $F(2, 194) = 36.747$ ,  $p < .001$ ,  $\eta_p^2 = .275$ , and Stimulus Type (target, distractor),  $F(1, 97) = 23.188$ ,  $p < .001$ ,  $\eta_p^2 = .193$ , as well as an interaction between Emotion and Stimulus Type,  $F(2, 194) = 82.493$ ,  $p < .001$ ,  $\eta_p^2 = .460$ . Planned comparisons of the interaction revealed that discrimination depended on both the emotion of the target and the emotion of the distractor. Discrimination was highest for happy targets ( $M = 3.148$ ,  $SE = .053$ ), intermediate for fearful targets ( $M = 2.605$ ,  $SE = .046$ ), and lowest for calm targets ( $M = 2.171$ ,  $SE = .052$ ). All pairwise differences between target emotions were significant (Happy – Calm, mean difference = .977,  $SE = .069$ ; Happy – Fear, mean difference = .544,  $SE = .060$ ; Fear – Calm, mean difference = .433,  $SE = .064$ ; all  $p < .001$ ). Planned comparisons also revealed that discrimination depended on the emotion of the distractor. Discrimination was higher in blocks with calm distractors ( $M = 2.911$ ,  $SE = .053$ ) than in blocks with happy distractors ( $M = 2.451$ ,  $SE = .060$ ; mean difference = .460,  $SE = .080$ ) or fearful distractors ( $M = 2.431$ ,  $SE = .045$ ; mean difference = .480,  $SE = .066$ ; all  $p < .001$ ). This reflects the fact that calm distractors were always paired with happy or fearful targets, which had the highest discrimination rates.

***fMRI subsample.*** In the full model, we observed a main effect of Emotion,  $F(2, 40) = 3.843$ ,  $p = .030$ ,  $\eta_p^2 = .161$ . Planned comparisons revealed that discrimination was higher for happy faces ( $M = 2.992$ ,  $SE = .100$ ) than for calm faces ( $M = 2.631$ ,  $SE = .082$ ; mean difference = .361,  $SE = .078$ ,  $p > .001$ ) or fearful faces ( $M = 2.579$ ,  $SE = .081$ ; mean difference = .413,  $SE = .072$ ,  $p < .001$ ). The comparison between calm and fearful faces was not significant ( $p = .486$ ).

When age and gender were excluded from the model, we observed main effects of Emotion,  $F(2, 44) = 17.570$ ,  $p < .001$ ,  $\eta_p^2 = .444$ , and Stimulus Type (target, distractor),  $F(1, 22)$

= 11.707,  $p = .002$ ,  $\eta_p^2 = .347$ , as well as an Emotion x Stimulus Type interaction,  $F(2, 44) = 10.995$ ,  $p < .001$ ,  $\eta_p^2 = .333$ . Planned comparisons of the interaction revealed that discrimination depended on the emotion of the target but not on the emotion of the distractor. Discrimination was higher for happy targets ( $M = 3.281$ ,  $SE = .090$ ) than for fearful targets ( $M = 2.616$ ,  $SE = .096$ , mean difference = .665,  $SE = .124$ ,  $p < .001$ ) or calm targets ( $M = 2.384$ ,  $SE = .116$ , mean difference = .897,  $SE = .111$ ,  $p < .001$ ). Discrimination was marginally higher for fearful targets than for calm targets (mean difference = .232,  $SE = .119$ ,  $p = .064$ ). No differences between distractor emotions were significant (all  $p > .06$ ), but discrimination was marginally higher in blocks with calm distractors ( $M = 2.879$ ,  $SE = .096$ ) than in blocks with fearful distractors ( $M = 2.535$ ,  $SE = .116$ , mean difference = .343,  $SE = .175$ ,  $p = .062$ ).

**Criterion.** We ran a full factorial repeated measures ANOVA with criterion as the dependent variable, emotion (calm, happy, fear) and stimulus type (target, distractor) as within-subject independent variables, and age (continuous) and gender as between-subjects independent variables.

**Full behavioral sample.** In the full model, we observed a main effect of age,  $F(1, 95) = 6.785$ ,  $p = .011$ ,  $\eta_p^2 = .067$ . Higher age was associated with a higher criterion,  $\rho(N = 98) = .342$ ,  $p = .001$ . No other main effects or interactions were significant.

When age was included in the model, but gender was excluded, we observed a main effect of age,  $F(1, 96) = 6.902$ ,  $p = .010$ ,  $\eta_p^2 = .067$ . Higher age was associated with a higher criterion,  $\rho(N = 98) = .342$ ,  $p = .001$ . No other main effects or interactions were significant.

When age was excluded from the model, but gender was included, we observed significant main effects of Emotion,  $F(2, 192) = 28.657$ ,  $p < .001$ ,  $\eta_p^2 = .230$ , and Stimulus Type (target vs. distractor),  $F(1, 96) = 23.205$ ,  $p < .001$ ,  $\eta_p^2 = .195$ , as well as an Emotion x Stimulus

Type interaction,  $F(2, 192) = 11.864, p < .001, \eta_p^2 = .110$ . Planned comparisons revealed that criterion was lowest (i.e., the largest negative number) for Happy targets ( $M = -.684, SE = .032$ ), intermediate for Fearful targets ( $M = -.561, SE = .034$ ), and highest for Calm targets ( $M = -.398, SE = .037$ ). Each pairwise difference between target emotions was significant (Happy – Calm, mean difference =  $-.286, SE = .038, p < .001$ ; Fear - Calm, mean difference =  $-.163, SE = .037, p < .001$ ; Happy – Fear, mean difference =  $-.123, SE = .038, p = .002$ ). Criterion did not differ by distractor emotion (all pairwise differences,  $p > .1$ ).

When age and gender were excluded from the model, we observed significant main effects of Emotion,  $F(2, 194) = 35.193, p < .001, \eta_p^2 = .266$ , and Stimulus Type (target vs. distractor),  $F(1, 97) = 26.253, p < .001, \eta_p^2 = .213$ , as well as an Emotion x Stimulus Type interaction,  $F(2, 194) = 15.854, p < .001, \eta_p^2 = .140$ . Criterion was lowest for Happy targets ( $M = -.688, SE = .029$ ), intermediate for Fearful targets ( $M = -.568, SE = .031$ ), and highest for Calm targets ( $M = -.395, SE = .034$ ). Each pairwise difference was significant (Happy – Calm, mean difference =  $-.293, SE = .035, p < .001$ ; Fear - Calm, mean difference =  $-.173, SE = .033, p < .001$ ; Happy – Fear, mean difference =  $-.120, SE = .035, p = .001$ ). Regardless of the target emotion, criterion was lower for blocks with calm distractors ( $M = -.555, SE = .032$ ) than for blocks with fearful distractors ( $M = -.486, SE = .031$ ), mean difference =  $-.068, SE = .032, p = .033$ . This effect of distractor emotion is likely to be driven by pairings with target emotion. For example, calm distractors were always paired with happy or fearful targets, which had the lowest criterion.

***fMRI subsample.*** In the full model, we observed an Age x Stimulus Type (target, distractor) interaction,  $F(1, 20) = 5.025, p = .036, \eta_p^2 = .201$ .

When gender was removed but age was included in the model, we observed an Age x Stimulus Type (target, distractor) interaction,  $F(1, 21) = 6.494$ ,  $p = .019$ ,  $\eta_p^2 = .236$ . The effect was in the same direction as described for the full model.

When age was excluded but gender was included, we observed significant main effects of Emotion,  $F(2, 42) = 14.982$ ,  $p < .001$ ,  $\eta_p^2 = .416$ , and Stimulus Type (target, distractor),  $F(1, 21) = 30.385$ ,  $p < .001$ ,  $\eta_p^2 = .591$ . Planned comparisons revealed that criterion was lowest (i.e., the largest negative number) for Happy faces ( $M = -.498$ ,  $SE = .049$ ), intermediate for Fearful faces ( $M = -.380$ ,  $SE = .050$ ), and highest for Calm faces ( $M = -.320$ ,  $SE = .053$ ). Each pairwise difference between emotions was significant (Happy – Calm, mean difference =  $-.178$ ,  $SE = .036$ ,  $p < .001$ ; Fear - Calm, mean difference =  $-.060$ ,  $SE = .027$ ,  $p = .035$ ; Happy – Fear, mean difference =  $-.118$ ,  $SE = .035$ ,  $p = .003$ ). Criterion was lower for targets ( $M = -.415$ ,  $SE = .046$ ) than for distractors ( $M = -.383$ ,  $SE = .047$ ), mean difference =  $-.032$ ,  $SE = .006$ ,  $p < .001$ .

When age and gender were excluded from the model, we again observed main effects of emotion,  $F(2, 44) = 15.688$ ,  $p < .001$ ,  $\eta_p^2 = .416$ , and stimulus type (target vs. distractor),  $F(1, 23) = 29.671$ ,  $p < .001$ ,  $\eta_p^2 = .574$ . Planned comparisons revealed that criterion was lowest (i.e., the largest negative number) for Happy faces ( $M = -.501$ ,  $SE = .050$ ), intermediate for Fearful targets ( $M = -.382$ ,  $SE = .050$ ), and highest for Calm targets ( $M = -.323$ ,  $SE = .053$ ). Each pairwise difference between emotions was significant (Happy – Calm, mean difference =  $-.178$ ,  $SE = .036$ ,  $p < .001$ ; Fear - Calm, mean difference =  $-.059$ ,  $SE = .026$ ,  $p = .032$ ; Happy – Fear, mean difference =  $-.119$ ,  $SE = .035$ ,  $p = .002$ ). Criterion was lower for targets ( $M = -.418$ ,  $SE = .047$ ) than for distractors ( $M = -.386$ ,  $SE = .048$ ), mean difference =  $-.032$ ,  $SE = .006$ ,  $p < .001$ .

**False alarm rate.** We ran a repeated measures ANOVA with false alarm rate as the dependent variable, emotion (calm, happy, fear) and stimulus type (target, distractor) as within-subjects variables, and age (continuous) and gender as between-subjects independent variables.

**Full behavioral sample.** In the full model, we observed a main effect of Emotion,  $F(2, 190) = 3.292$ ,  $p = .039$ ,  $\eta_p^2 = .033$ . Blocks containing fearful faces as either targets or distractors were associated with higher false alarm rates ( $M = -.735$ ,  $SE = .039$ ) than blocks containing happy faces ( $M = -.795$ ,  $SE = .044$ ; mean difference =  $.060$ ,  $SE = .028$ ,  $p = .033$ ) or calm faces ( $M = -.795$ ,  $SE = .040$ ; mean difference =  $.060$ ,  $SE = .028$ ,  $p = .032$ ). When gender was removed from the model, we again observed a main effect of Emotion,  $F(2, 192) = 3.496$ ,  $p = .032$ ,  $\eta_p^2 = .035$ . Blocks containing fearful faces as either targets or distractors were associated with higher false alarm rates ( $M = -.732$ ,  $SE = .035$ ) than blocks containing happy faces ( $M = -.792$ ,  $SE = .040$ ; mean difference =  $.060$ ,  $SE = .025$ ,  $p = .013$ ) or calm faces ( $M = -.796$ ,  $SE = .036$ ; mean difference =  $.064$ ,  $SE = .025$ ,  $p = .013$ ).

When age and gender were removed from the model, we observed a main effect of Emotion,  $F(2, 194) = 4.001$ ,  $p = .020$ ,  $\eta_p^2 = .040$ , and an Emotion x Stimulus Type interaction,  $F(2, 194) = 12.066$ ,  $p < .001$ ,  $\eta_p^2 = .111$ . Planned comparisons of the interaction revealed that false alarm rates depended on the emotion of both the target and the distractor. False alarm rates were lower (i.e., more standard deviations below the mean) in blocks with calm distractors ( $M = -.901$ ,  $SE = .046$ ) than in blocks with happy distractors ( $M = -.698$ ,  $SE = .046$ ; mean difference =  $-.203$ ,  $SE = .053$ ,  $p < .001$ ) or blocks with fearful distractors ( $M = -.729$ ,  $SE = .041$ ; mean difference =  $-.172$ ,  $SE = .045$ ,  $p < .001$ ). False alarm rates were also lower in blocks with happy targets ( $M = -.886$ ,  $SE = .049$ ) than in blocks with calm targets ( $M = -.691$ ,  $SE = .043$ , mean

difference =  $-.196$ ,  $SE = .050$ ,  $p < .001$ ) or fearful targets ( $M = -.734$ ,  $SE = .042$ , mean difference =  $-.152$ ,  $SE = .051$ ,  $p = .004$ ).

*fMRI subsample.* No main effects or interactions were significant in any version of the model.

**Reaction time.** We ran a repeated measures ANOVA with reaction time as the dependent variable, emotion (calm, happy, fear) and stimulus type (target, distractor) as within-subjects variables, and age (continuous) and gender as between-subjects independent variables. Recall that only reaction times to “go” trials (i.e., hits) were included in these analyses.

*Full behavioral sample.* In the full model, we observed a main effect of Emotion,  $F(2, 190) = 3.162$ ,  $p = .045$ ,  $\eta_p^2 = .032$ , and a main effect of Age,  $F(1, 95) = 8.551$ ,  $p = .004$ ,  $\eta_p^2 = .083$ . Responses to targets were faster in blocks containing happy faces ( $M = -.020$ ,  $SE = .055$ ) than in blocks containing calm faces ( $M = .010$ ,  $SE = .057$ , mean difference =  $-.030$ ,  $SE = .011$ ,  $p = .010$ ) or fearful faces ( $M = .032$ ,  $SE = .055$ , mean difference =  $-.052$ ,  $SE = .011$ ,  $p < .001$ ). Responses in blocks containing calm faces were marginally faster than responses in blocks containing fearful faces (mean difference =  $.022$ ,  $SE = .012$ ,  $p = .068$ ). Higher age was associated with increased reaction time,  $\rho(N = 98) = .329$ ,  $p = .001$ .

When gender was excluded from the model, we observed a main effect of Emotion,  $F(2, 192) = 3.437$ ,  $p = .034$ ,  $\eta_p^2 = .035$ , and a main effect of Age,  $F(1, 96) = 9.105$ ,  $p = .003$ ,  $\eta_p^2 = .087$ . Responses to targets were faster in blocks containing happy faces ( $M = -.025$ ,  $SE = .050$ ) than in blocks containing calm faces ( $M = .009$ ,  $SE = .051$ , mean difference =  $-.034$ ,  $SE = .010$ ,  $p = .001$ ) or fearful faces ( $M = .029$ ,  $SE = .050$ , mean difference =  $-.054$ ,  $SE = .010$ ,  $p < .001$ ). Responses in blocks containing calm faces were marginally faster than responses in blocks

containing fearful faces (mean difference = .020, SE = .011,  $p = .064$ ). Higher age was associated with increased reaction time,  $\rho (N = 98) = .329$ ,  $p = .001$ .

When age was excluded from the model, we observed a main effect of Emotion,  $F(2, 192) = 9.087$ ,  $p < .001$ ,  $\eta_p^2 = .093$ , and an Emotion x Stimulus Type (target, distractor) interaction,  $F(2, 192) = 34.132$ ,  $p < .001$ ,  $\eta_p^2 = .262$ . Planned comparisons of the interaction revealed that responses to happy targets ( $M = -.127$ , SE = .051) were faster than responses to calm targets ( $M = .087$ , SE = .055, mean difference =  $-.215$ , SE = .028,  $p < .001$ ) and responses to fearful targets ( $M = .059$ , SE = .050, mean difference =  $-.186$ , SE = .019,  $p < .001$ ). In contrast, responses to targets were fastest in blocks with calm distractors ( $M = -.069$ , SE = .051), intermediate in blocks with calm distractors ( $M = .000$ , SE = .052), and slowest in blocks with happy distractors ( $M = .078$ , SE = .051). All pairwise comparisons between distractor emotions were significant (calm – happy: mean difference =  $-.147$ , SE = .019,  $p < .001$ ; calm – fear: mean difference =  $-.069$ , SE = .021,  $p = .001$ ; fear – happy: mean difference =  $-.078$ , SE = .020,  $p < .001$ ). The effect of distractor emotion is likely to be driven by the emotion of the target with which it was paired (e.g., responses were fastest to happy targets, so responses would also be fastest in blocks with calm or fearful distractors).

When age and gender were excluded from the model, we observed a main effect of Emotion,  $F(2, 194) = 13.502$ ,  $p < .001$ ,  $\eta_p^2 = .122$ , and an Emotion x Stimulus Type (target, distractor) interaction,  $F(2, 194) = 43.828$ ,  $p < .001$ ,  $\eta_p^2 = .311$ . Planned comparisons of the interaction revealed that responses to happy targets ( $M = -.127$ , SE = .053) were faster than responses to calm targets ( $M = .087$ , SE = .058, mean difference =  $-.215$ , SE = .028,  $p < .001$ ) and responses to fearful targets ( $M = .059$ , SE = .052, mean difference =  $-.186$ , SE = .019,  $p < .001$ ). In contrast, responses to targets were fastest in blocks with calm distractors ( $M = -.069$ ,

SE = .052), intermediate in blocks with fearful distractors ( $M = .000$ , SE = .052), and slowest in blocks with happy distractors ( $M = .078$ , SE = .054). All pairwise comparisons between distractor emotions were significant (calm – happy: mean difference =  $-.147$ , SE = .019,  $p < .001$ ; calm – fear: mean difference =  $-.069$ , SE = .021,  $p = .001$ ; fear – happy: mean difference =  $-.078$ , SE = .020,  $p < .001$ ). The effect of distractor emotion is likely to be driven by the emotion of the target with which it was paired (e.g., responses were fastest to happy targets, so responses would also be fastest in blocks with calm or fearful distractors).

*fMRI subsample.* No significant effects were observed in the full model, nor when gender was excluded but age was included. However, when age was excluded but gender was included, there was an Emotion x Stimulus Type (target, distractor) interaction,  $F(2, 42) = 5.884$ ,  $p = .006$ ,  $\eta_p^2 = .219$ . Responses were faster in blocks with happy targets ( $M = .470$ , SE = .084) than in blocks with calm targets ( $M = .697$ , SE = .103, mean difference =  $-.226$ , SE = .064,  $p = .002$ ) or blocks with fearful targets ( $M = .581$ , SE = .101, mean difference =  $-.111$ , SE = .049,  $p = .035$ ). Responses to targets were also faster in blocks with calm distractors ( $M = .522$ , SE = .094) than in blocks with happy distractors ( $M = .630$ , SE = .096; mean difference =  $-.108$ , SE = .043,  $p = .020$ ). This reflects the fact that calm distractors were always paired with happy or fearful targets.

When age and gender were excluded from the model, we observed an Emotion x Stimulus Type (target, distractor) interaction,  $F(2, 44) = 5.960$ ,  $p = .005$ ,  $\eta_p^2 = .213$ . Responses were faster in blocks with happy targets ( $M = .468$ , SE = .082) than in blocks with calm targets ( $M = .693$ , SE = .102, mean difference =  $-.224$ , SE = .063,  $p = .002$ ) or blocks with fearful targets ( $M = .577$ , SE = .101, mean difference =  $-.109$ , SE = .049,  $p = .039$ ). Responses to targets were also faster in blocks with calm distractors ( $M = .518$ , SE = .093) than in blocks with happy

distractors ( $M = .626$ ,  $SE = .096$ ; mean difference =  $-.108$ ,  $SE = .042$ ,  $p = .017$ ). This reflects the fact that calm distractors were always paired with happy or fearful targets.

**Speed-accuracy tradeoff.** We ran a repeated measures ANOVA with speed-accuracy tradeoff (SAT) as the dependent variable, emotion (calm, happy, fear) and stimulus type (target, distractor) as within-subjects variables, and age (continuous) and gender as between-subjects independent variables. Recall that only reaction times to “go” trials (i.e., hits) were included in the calculation of speed-accuracy tradeoff.

**Full behavioral sample.** In the full model, we observed a main effect of age,  $F(1, 95) = 9.981$ ,  $p = .002$ ,  $\eta_p^2 = .095$ . Higher age was associated with a lower speed-accuracy tradeoff,  $\rho(N = 98) = -.298$ ,  $p = .003$ . No other effects were significant.

When gender was removed from the model, we observed a main effect of age,  $F(1, 96) = 11.531$ ,  $p = .001$ ,  $\eta_p^2 = .107$ . Higher age was associated with a lower speed-accuracy tradeoff,  $\rho(N = 98) = -.298$ ,  $p = .003$ . No other effects were significant.

**fMRI subsample.** No main effects or interactions were significant in any version of the model.

### **Relation of emotion regulation to framing behavior**

Means for framing decisions and signed confidence by condition are presented in Table 5 for the full behavioral sample and Table 6 for the subsample of participants who completed the framing task inside an MRI scanner.

**Multilevel mixed model.** In order to account for repeated measurements within subject, we used a generalized estimating equation for decision and a mixed model for signed confidence (Baayen et al., 2008). These mixed effects regressions allowed us to exclude individual missing responses without excluding entire subjects on the basis of incomplete data. Each model had two

levels: Participant and Order (i.e., sequence of repeated decisions, 1-60, which provided the residuals). Fixed effects tested in each model were Frame, Truncation, Lives versus Money, Order (i.e., sequential decision, 1-60), Age, Gender, and False Alarm Rate; Participant was included as a random variable. The following fixed effect interaction terms were tested in each initial model: Order x Frame, Age x Frame, Gender x Frame, False Alarm Rate x Frame, False Alarm Rate x Age, False Alarm Rate x Gender, and False Alarm Rate x Frame x Truncation. Nonsignificant terms were removed, with the exception that we controlled for Age, Gender, and Order in all analyses. Results of repeated-measures ANOVAs using the same independent and dependent variables (reported in the Appendix) were nearly identical to those reported below.

### **False Alarm Rate to Emotional Distractors**

*Signed confidence, N=97.* Recall that, for signed confidence, larger negative values indicate a stronger preference for the sure option, whereas larger positive values indicate a stronger preference for the risky option. We report only results for which the omnibus F-test of fixed effects is significant (thus, some variables, including frame, had significant parameter estimates in the predicted direction but are not reported here due to the lack of a significant omnibus F-test). For continuous variables with significant omnibus tests, we indicate the direction of the effect by reporting the parameter estimate; for categorical variables with significant omnibus tests, we indicate the direction of the effect by reporting pairwise comparisons.

We observed a significant main effect of Lives versus Money,  $F(1, 5104.476) = 18.637, p < .001$ . Participants more strongly preferred the sure option (i.e., were more risk-averse) for decisions about lives ( $M = -.503, SE = .224$ ) than for decisions about money ( $M = -.088, SE = .223$ ). We observed significant interactions between Frame x False Alarm Rate for Emotional

Distractors, Frame x Order, Frame x Age, Frame x Gender, and Frame x Truncation. The three-way interaction between Frame x False Alarm Rate x Truncation was not significant,  $F(4, 5042.084) = .955$ ,  $p = .431$ . Framing effects increased with increasing false alarm rate (i.e., increased preference for the sure option in the gain frame relative to the loss frame),  $F(1, 5002.104) = 11.459$ ,  $p = .001$ ;  $B = -.880$ ,  $SE = .260$ ,  $t(1, 5002.104) = -3.385$ ,  $p = .001$ . Framing effects attenuated slightly over the course of repeated decisions,  $F(1, 5132.885) = 14.218$ ,  $p < .001$ ;  $B = .022$ ,  $SE = .005$ ,  $t(1, 5132.885) = 3.771$ ,  $p < .001$ . Framing effects increased with increasing age,  $F(1, 4981.145) = 18.562$ ,  $p < .001$ ;  $B = -.095$ ,  $SE = .022$ ,  $t(1, 4981.145) = -4.308$ ,  $p < .001$ .

We observed a significant Frame x Gender interaction,  $F(1, 5029.527) = 14.605$ ,  $p < .001$ . Women showed a larger framing effect (gain,  $M = -1.505$ ,  $SE = .246$ ; loss,  $M = .666$ ,  $SE = .248$ ; mean difference =  $-2.171$ ,  $SE = .116$ ,  $p < .001$ ) than did men (gain,  $M = -.854$ ,  $SE = .379$ ; loss,  $M = .513$ ,  $SE = .380$ ; mean difference =  $-1.367$ ,  $SE = .174$ ,  $p < .001$ ). We also observed a significant effect of Frame x Truncation,  $F(2, 5135.178) = 72.332$ ,  $p < .001$ . Participants more strongly preferred the sure option to the risky option in the gain frame than in the loss frame (i.e., a framing effect) in all three truncations, but this effect was strongest when only the zero risky complement was presented (gain – loss =  $-3.210$ ,  $SE = .167$ ,  $p < .001$ ), intermediate when both risky complements were presented (gain – loss =  $-1.731$ ,  $SE = .172$ ,  $p < .001$ ), and smallest when only the nonzero risky complement was presented (gain – loss,  $-.366$ ,  $SE = .178$ ,  $p = .040$ ).

The effect of False Alarm Rate was not significant when analyses were limited to problems from only the gain frame or only the loss frame, indicating that this effect was not driven by one frame but, instead, by the difference in risk taking between frames. The results

suggest that impaired response inhibition for emotional distractors is associated with increased framing effects.

We conducted follow-up analyses to determine whether the effect of false alarm rate to emotional distractors was driven by either happy distractors or fearful distractors. The Frame x False Alarm Rate interaction was significant when Happy and Fear were tested separately, and the effect was in the same direction (i.e., increased framing with increasing false alarm rate), Happy:  $B = -.799$ ,  $SE = .206$ ,  $t(1, 5013.163) = -3.888$ ,  $p < .001$ ; Fear:  $B = -.510$ ,  $SE = .249$ ,  $t(1, 4967.876) = -2.046$ ,  $p = .041$ . [Full results from these follow-up analyses are reported in supplemental materials.]

***Signed confidence,  $N=25$ .*** Recall that, for signed confidence, larger negative values indicate a stronger preference for the sure option, whereas larger positive values indicate a stronger preference for the risky option. We report only results for which the omnibus F-test of fixed effects is significant. For continuous variables with significant omnibus tests, we indicate the direction of the effect by reporting the parameter estimate; for categorical variables with significant omnibus tests, we indicate the direction of the effect by reporting pairwise comparisons.

We observed significant main effects of Lives versus Money and of Age. Participants more strongly preferred the sure option (i.e., were more risk-averse) for Lives ( $M = -.766$ ,  $SE = .327$ ) than for Money ( $M = -.224$ ,  $SE = .327$ ),  $F(1, 1421.291) = 10.357$ ,  $p = .001$ . Preference for the risky option decreased with increasing Age (i.e., participants became more risk-averse with increasing age),  $F(1, 22.017) = 5.877$ ,  $p = .024$ . We observed significant interactions between Frame x False Alarm Rate,  $F(1, 1384.155) = 22.778$ ,  $p < .001$ ; Frame x Age,  $F(1, 1399.929) = 9.159$ ,  $p = .003$ ; and Frame x Truncation,  $F(2, 1417.706) = 45.081$ ,  $p < .001$ . Framing effects

increased with increasing false alarm rate (i.e., participants more strongly preferred the sure option in the gain frame relative to the loss frame),  $B = -1.820$ ,  $SE = .381$ ,  $t(1, 1384.155) = -4.773$ ,  $p < .001$ . Framing effects increased with increasing age,  $B = -.105$ ,  $SE = .34$ ,  $t(1, 1399.929) = -3.026$ ,  $p = .003$ . Participants most strongly preferred the sure option to the risky option in the gain frame than in the loss frame (i.e., a framing effect) when only the zero risky complement was presented (gain – loss =  $-4.051$ ,  $SE = .290$ ,  $p < .001$ ), and they showed this pattern of preferences to a smaller extent when both risky complements were presented (gain – loss =  $-1.584$ ,  $SE = .295$ ,  $p < .001$ ). Preferences for the risky option did not depend on frame when only the nonzero risky complement was presented (gain – loss,  $-.203$ ,  $SE = .290$ ,  $p = .485$ ).

The effect of False Alarm Rate was not significant when analyses were limited to problems from only the gain frame, although there was a marginally significant main effect of False Alarm Rate when analyses were limited to problems from the loss frame,  $F(1, 22.170) = 3.972$ ,  $p = .059$ . Risk taking in the loss frame increased with increasing false alarms to emotional distractors,  $B = 1.570$ ,  $SE = .788$ ,  $t(1, 22.170) = 1.993$ ,  $p = .059$ . This result suggests that the relationship between False Alarm Rate and Framing may have been driven by the loss frame in this subsample, such that risk taking for losses increased with increasing false alarm rate.

We conducted follow-up analyses to determine whether the effect of false alarm rate to emotional distractors was driven by either happy distractors or fearful distractors. The Frame  $\times$  False Alarm Rate interaction was significant when Happy and Fear were tested separately, and the effect was in the same direction (i.e., increased framing with increasing false alarm rate), Happy:  $B = -1.479$ ,  $SE = .325$ ,  $t(1, 1384.658) = -4.548$ ,  $p < .001$ ; Fear:  $B = -1.835$ ,  $SE = .418$ ,  $t(1, 1345.164) = -4.389$ ,  $p < .001$ .

**Decision, N=97.** Recall that sure decisions were coded as 0, and risky decisions were coded as 1. No main effects were significant. We observed significant interactions of Frame x Truncation, Generalized Chi-Square ( $df = 2$ ) = 46.211,  $p < .001$ ; Frame x Gender, Generalized Chi-Square ( $df = 1$ ) = 6.525,  $p = .011$ ; Frame x Order, Generalized Chi-Square ( $df = 1$ ) = 10.631,  $p = .001$ ; Frame x Age, Generalized Chi-Square ( $df = 1$ ) = 6.261; and Frame x False Alarm Rate, Generalized Chi-Square ( $df = 1$ ) = 3.925,  $p = .048$ . Decisions were consistent with framing effects (i.e., a higher proportion of risky decisions in the loss frame than in the gain frame) in all three truncations, with framing effects largest when only the zero risky complement was presented (loss – gain,  $M = .41$ ,  $SE = 1.048$ ,  $p = .693$ ), moderate when both risky complements were presented ( $M = .22$ ,  $SE = 1.231$ ,  $p = .860$ ) and smallest when only the nonzero risky complement was presented ( $M = .03$ ,  $SE = 1.296$ ,  $p = .980$ ). Both women and men took more risks for losses than for gains (i.e., a framing effect), though the framing effect was larger for women (loss – gain,  $M = .29$ ,  $SE = 1.166$ ,  $p = .806$ ) than for men ( $M = .16$ ,  $SE = 1.258$ ,  $p = .896$ ). Note that, although pairwise comparisons for Frame x Truncation and Frame x Gender were not significant in the analysis of Decision, the trends are in the same direction as the effects observed for Signed Confidence. Framing effects increased with increasing age,  $B = -.06$ ,  $SE = .021$ , Wald chi-square ( $df = 1$ ) = 8.416,  $p = .004$ . Framing effects also increased with increasing false alarms to emotional distractors,  $B = -.526$ ,  $SE = .227$ , Wald Chi-Square ( $df = 1$ ) = 5.377,  $p = .020$ .

The effect of False Alarm Rate was not significant when analyses were limited to problems from only the gain frame or only the loss frame, indicating that this effect was not driven by one frame but, instead, by the difference in risk taking between frames. The results

suggest that impaired response inhibition for emotional distractors is associated with increased framing effects.

We conducted follow-up analyses to determine whether the effect of false alarm rate to emotional distractors was driven by either happy distractors or fearful distractors. The Frame x False Alarm Rate interaction was significant for False Alarm Rate to Happy Distractors, and the effect was in the same direction as for Emotional Distractors (i.e., increased framing with increasing false alarm rate), Generalized Score Chi-Square ( $df = 1$ ) = 5.709,  $p = .017$ ;  $B = -.529$ ,  $SE = .173$ , Wald Chi-Square ( $df = 1$ ) = 9.335,  $p = .002$ . The Frame x False alarm Rate interaction was not significant for False Alarm Rate to Fearful Distractors, Generalized Score Chi-Square ( $df = 1$ ) = .037,  $p = .847$ . Although not significant, this interaction was in the same direction as for False Alarm Rate to Happy Distractors (i.e., increased framing with increasing false alarm rate),  $B = -.045$ ,  $SE = .233$ , Wald Chi-Square ( $df = 1$ ) = .037,  $p = .847$ . [Full results from these follow-up analyses are reported in supplemental materials.]

**Decision,  $N=25$ .** Recall that sure decisions were coded as 0, and risky decisions were coded as 1. No main effects were significant. We observed significant interactions of Frame x Truncation, Generalized Chi-Square ( $df = 2$ ) = 12.273,  $p = .002$ , Frame x Age, Generalized Chi-Square ( $df = 1$ ) = 4.022,  $p = .045$ , and Frame x False Alarm Rate, Generalized Chi-Square ( $df = 1$ ) = 8.388,  $p = .004$ . Decisions were consistent with framing effects (i.e., more risky decisions for the loss frame than for the gain frame) in all three truncations, with framing effects largest when only the zero risky complement was presented (loss – gain,  $M = .52$ ,  $SE = 1.195$ ,  $p = .665$ ), moderate when both risky complements were presented ( $M = .22$ ,  $SE = 1.540$ ,  $p = .888$ ) and smallest when only the nonzero risky complement was presented ( $M = .01$ ,  $SE = 1.649$ ,  $p = .993$ ). Framing effects increased with increasing False Alarm Rate,  $B = -1.180$ ,  $SE = .291$ , Wald

Chi-Square ( $df = 1$ ) = 16.417,  $p < .001$ . Main effects of age ( $p = .072$ ) and gender ( $p = .509$ ) were not significant.

The effect of False Alarm Rate was not significant when analyses were limited to problems in the gain frame, although there was a significant main effect of False Alarm Rate when analyses were limited to problems in the loss frame, Generalized Score Chi-Square ( $df = 1$ ) = 4.295,  $p = .038$ . Risk taking in the loss frame increased with increasing false alarms to emotional distractors,  $B = 1.070$ ,  $SE = .381$ , Wald Chi-Square ( $df = 1$ ) = 7.898,  $p = .005$ . This result suggests that the relationship between False Alarm Rate and Framing was driven by the loss frame in this subsample, such that risk taking for losses increased with increasing false alarm rate.

We conducted follow-up analyses to determine whether the effect of false alarm rate to emotional distractors was driven by either happy distractors or fearful distractors. The Frame  $\times$  False Alarm Rate interaction was significant when Happy and Fear were tested separately, and the effect was in the same direction (i.e., increased framing with increasing false alarm rate), Happy: Generalized Score Chi-Square ( $df = 1$ ) = 7.466,  $p = .006$ ;  $B = -.923$ ,  $SE = .2475$ , Wald Chi-Square ( $df = 1$ ) = 13.896,  $p < .001$ ; Fear: Generalized Score Chi-Square ( $df = 1$ ) = 4.771,  $p = .029$ ;  $B = -1.067$ ,  $SE = .336$ , Wald Chi-Square ( $df = 1$ ) = 10.058,  $p = .002$ .

#### **False Alarm Rate to Calm Distractors**

**Signed confidence,  $N=97$ .** Recall that, for signed confidence, larger negative values indicate a stronger preference for the sure option, whereas larger positive values indicate a stronger preference for the risky option. We observed a significant main effect of age, such that preference for the risk option increased with age,  $B = .128$ ,  $SE = .047$ ,  $t(1, 106.405) = 2.738$ ,  $p = .007$ . We also observed a significant main effect of Lives versus Money,  $B = -.409$ ,  $SE = .096$ ,

$t(1, 5115.072) = -4.214, p < .001$ . Participants were more risk-averse for decisions about lives ( $M = -.488, SE = .223$ ) than for decisions about money ( $M = -.082, SE = .223$ ).

We also observed significant interactions of Frame x Age, Frame x Truncation, and Frame x Gender. Framing effects increased with increasing age,  $B = -.084, SE = .022, t(1, 4994.644) = -3.846, p < .001$ . For interactions between categorical variables, we report the omnibus F-test followed by pairwise comparisons, which are more informative about the conditions driving the interaction than are parameter estimates. An omnibus test indicated a significant Frame x Truncation interaction,  $F(2, 5137.186) = 70.795, p < .001$ . Participants more strongly preferred the sure option to the risky option in the gain frame than in the loss frame (i.e., a framing effect) in all three truncations, but this effect was strongest when only the zero risky complement was presented (gain – loss,  $M = -3.204, SE = .168, p < .001$ ), intermediate when both risky complements were presented (gain – loss,  $M = -1.704, SE = .172, p < .001$ ), and smallest when only the nonzero risky complement was presented (gain – loss,  $M = -.387, SE = .178, p = .030$ ). An omnibus test indicated a significant Frame x Gender interaction,  $F(1, 5033.792) = 15.789, p < .001$ . Female participants showed larger framing effects (i.e., a larger gain – loss difference in risk taking) than did male participants, although both showed a significant framing effect (female,  $M = -2.180, SE = .116$ ; male,  $M = -1.346, SE = .174$ ).

The main effect of false alarm rate to calm distractors was not significant ( $p = .601$ ), nor was the interaction between frame and false alarm rate to calm distractors ( $p = .873$ ).

***Signed confidence, N=25.*** Recall that, for signed confidence, larger negative values indicate a stronger preference for the sure option, whereas larger positive values indicate a stronger preference for the risky option. We observed significant main effects of Frame, Age, and Lives versus Money. Participants more strongly preferred the risky option in the loss frame

( $M = -1.465$ ,  $SE = .325$ ) than in the gain frame ( $M = .473$ ,  $SE = .325$ , i.e., a standard framing effect),  $B = -1.944$ ,  $SE = .848$ ,  $t(1, 1408.368) = -2.294$ ,  $p = .022$ . Participants were more risk-averse for decisions about lives ( $M = -.774$ ,  $SE = .325$ ) than for decisions about money ( $M = -.218$ ,  $SE = .325$ ),  $B = -.556$ ,  $SE = .170$ ,  $t(1, 1422.385) = -3.271$ ,  $p = .001$ . Risk preference increased with increasing age,  $B = .199$ ,  $SE = .067$ ,  $t(1, 26.553) = 2.979$ ,  $p = .006$ .

We observed significant interactions between Frame x Age and Frame x Truncation. Framing effects increased with increasing age,  $B = -.092$ ,  $SE = .035$ ,  $t(1, 1402.416) = -2.645$ ,  $p = .008$ . For interactions between categorical variables, we report the omnibus F-test followed by pairwise comparisons, which are more informative about the conditions driving the interaction than are parameter estimates. An omnibus test indicated a significant Frame x Truncation interaction,  $F(2, 1420.729) = 45.290$ ,  $p < .001$ . Participants most strongly preferred the sure option to the risky option in the gain frame than in the loss frame (i.e., a framing effect) when only the zero risky complement was presented (gain – loss,  $M = -4.051$ ,  $SE = .292$ ,  $p < .001$ ), and they showed this pattern of preferences to a smaller extent when both risky complements were presented (gain – loss,  $M = -1.622$ ,  $SE = .299$ ,  $p < .001$ ). Preferences for the risky option did not depend on frame when only the nonzero risky complement was presented (gain – loss,  $M = -.140$ ,  $SE = .296$ ,  $p = .636$ ).

The main effect of false alarm rate to calm distractors was not significant ( $p = .992$ ), nor was the interaction between frame and false alarm rate to calm distractors ( $p = .140$ ).

**Decision,  $N=97$ .** Recall that sure decisions were coded as 0, and risky decisions were coded as 1. No main effects were significant. We observed significant interactions of Frame x Truncation, Generalized Chi-Square ( $df = 2$ ) = 46.101,  $p < .001$ ; Frame x Gender, Generalized

Chi-Square ( $df = 1$ ) = 6.898,  $p = .009$ ; Frame x Age, Generalized Chi-Square ( $df = 1$ ) = 4.774,  $p = .029$ ; and Frame x Order, and Generalized Chi-Square ( $df = 1$ ) = 10.017,  $p = .002$ .

Decisions were consistent with framing effects (i.e., participants chose the risky option more often in the loss frame than in the gain frame) in all three truncations, with framing effects largest when only the zero risky complement was presented (loss – gain,  $M = .41$ ,  $SE = .999$ ,  $p = .682$ ), moderate when both risky complements were presented ( $M = .21$ ,  $SE = 1.174$ ,  $p = .857$ ) and smallest when only the nonzero risky complement was presented ( $M = .04$ ,  $SE = 1.234$ ,  $p = .977$ ). Both women and men took more risks for losses than for gains (i.e., a framing effect), though the framing effect was larger for women (loss – gain,  $M = .29$ ,  $SE = 1.197$ ,  $p = .893$ ) than for men ( $M = .16$ ,  $SE = 1.111$ ,  $p = .797$ ). Note that, although pairwise comparisons for Frame x Truncation and Frame x Gender were not significant in the analysis of Decision, the trends are in the same direction as the effects observed for Signed Confidence. Framing effects increased with increasing age,  $B = -.06$ ,  $SE = .021$ , Wald chi-square ( $df = 1$ ) = 8.416,  $p = .004$ . Framing effects also increased with increasing false alarms to emotional distractors,  $B = -.526$ ,  $SE = .227$ , Wald Chi-Square ( $df = 1$ ) = 5.377,  $p = .020$ . Framing effects increased with increasing age,  $B = -.50$ ,  $SE = .020$ , Wald chi-square ( $df = 1$ ) = 6.088,  $p = .014$ . Framing effects decreased over the course of repeated decisions,  $B = .011$ ,  $SE = .003$ , Wald Chi-Square ( $df = 1$ ) = 11.443,  $p = .001$ .

The main effect of false alarm rate to calm distractors was not significant ( $p = .733$ ), nor was the interaction between frame and false alarm rate to calm distractors ( $p = .479$ ).

**Decision,  $N=25$ .** Recall that sure decisions were coded as 0, and risky decisions were coded as 1. No main effects were significant. We observed a main effect of Frame, Generalized Chi-Square ( $df = 1$ ) = 15.203,  $p < .001$ . Participants chose the risky option more often in the loss frame ( $M = .57$ ,  $SE = .521$ ) than in the gain frame ( $M = .32$ ,  $SE = .451$ ). We also observed a

Frame x Truncation interaction, Generalized Chi-Square ( $df = 2$ ) = 12.267,  $p = .002$ .

Participants most strongly preferred the sure option to the risky option in the gain frame than in the loss frame (i.e., a framing effect) when only the zero risky complement was presented (loss - gain,  $M = .50$ ,  $SE = .113$ ,  $p < .001$ ), and they showed this pattern of preferences to a smaller extent when both risky complements were presented (loss - gain = .21,  $SE = .076$ ,  $p = .007$ ).

Preferences for the risky option did not depend on frame when only the nonzero risky complement was presented (loss - gain, .01,  $SE = .853$ ,  $p = .853$ ). Main effects age and gender, as well as interactions of Frame x Age and Frame x Gender, were not significant and were therefore removed from the model. However, effects of Frame and Frame x Truncation remained significant when main effects and interactions of age and gender were included in the model.

The main effect of false alarm rate to calm distractors was not significant ( $p = .159$ ), nor was the interaction between frame and false alarm rate to calm distractors ( $p = .868$ ).

### **Relation of emotion regulation to fMRI activation during framing decisions**

Because previous studies have reported that the ability to withhold response to emotional distractors is a reliable indicator of individual differences (e.g., in delay of gratification, Casey et al., 2011; in brain activation, Casey et al., 2011; Hare et al., 2005, 2008; Somerville et al., 2011), we selected on accuracy on nogo trials as a measure of self-regulation in emotional contexts. We followed previous studies in selecting false alarm rate in order to facilitate comparison with previous findings, and because hypotheses about the role of emotion in framing decisions focus on failure to inhibit an emotional response. Moreover, our hypotheses focused on happy distractors, as opposed to calm or fearful distractors, because previous literature suggests that happy faces trigger an approach response that is more difficult to inhibit than responses to fearful or calm faces.

In order to test hypotheses by fuzzy-trace theory, as well as predictions by multiple dual-process theories, we analyzed fMRI data collected during framing decisions in order to identify regions whose activation during framing effects co-varied with emotion regulation in the go/no-go task. Therefore, we ran a GLM analysis on the contrast Framing > No Framing, as well as its valence-specific subcomponents (Gain Sure > Gain Risk and Loss Risk > Loss Sure), using false alarm rate to emotional distractors as a covariate. We also conducted separate analyses of false alarm rate to happy distractors, and false alarm rate to fearful distractors, in order to discern valence-specific effects. Finally, we conducted control analyses of false alarm rate to calm distractors in order to verify that effects identified in the previous analyses were specific to emotional distractors, as opposed to general task characteristics. In order to correct for multiple testing, *a priori* region of interest analyses were thresholded at  $p < .05$ ,  $k = 5$ , corrected for familywise error rate. Corrected p-values are reported at the cluster level. Exploratory whole-brain analyses are reported at an uncorrected peak-level threshold of  $p < .001$ ,  $k = 5$ . Whole-brain analyses that survived familywise error correction at the cluster level are noted below.

*A priori* regions of interest for emotional reactivity included the bilateral amygdala (Hare et al., 2005, 2008), caudate (Hare et al., 2005; Somerville et al., 2011), and nucleus accumbens (Casey et al., 2011). Regions of interest for successful inhibition included the inferior frontal gyrus (Casey et al., 2011; Somerville et al., 2011) and inferior parietal lobule (Casey et al., 2011). Masks for bilateral amygdala and caudate were created in the Harvard-Oxford cortical and subcortical atlases. Additionally, we created masks defined as spheres with a radius of 6 mm centered on the peaks of the IFG and IPL coordinates reported by Casey et al. (2011), which reflected increased activation to no-go relative to go trials during the emotional version of the task in high delayers. We selected these results as regions of interest because they reflected two

types of self-regulation: delay of gratification and the ability to withhold prepotent responses in the go/no-go task (Casey et al., 2011). In order to test the hypothesis that framing effects are driven by emotional reactivity, masks of the amygdala, caudate and nucleus accumbens were applied to framing-consistent contrasts (i.e., Framing > No Framing, Gain Sure > Gain Risk, and Loss Risk > Loss Sure). In order to test the hypothesis that resistance to framing effects is supported by cognitive control, masks of the IFG and IPL were applied to reverse-framing contrasts (i.e., No Framing > Framing, Gain Risk > Gain Sure, and Loss Sure > Loss Risk).

**Region-of-interest analyses.** The results of our *a priori* region-of-interest analyses for framing-consistent contrasts are presented below.

***False alarm rate to emotional distractors.*** A higher false alarm rate to emotional distractors was associated with increased activation in the left amygdala (9 voxels) in the contrast Framing > No Framing, as well as increased activation in the bilateral amygdala (left, 69 voxels plus 9 voxels in a marginally significant second peak; right, 24 voxels) in the contrast Gain Sure > Gain Risk. No amygdala activation survived FWE correction in the contrast Loss Risk > Loss Sure with this covariate. No activation in the caudate, IFG, or IPL survived FWE correction in these analyses.

***False alarm rate to happy distractors.*** A higher false alarm rate to happy distractors was associated with increased activation in the left amygdala (9 voxels) in the contrast Framing > No Framing, as well as increased activation in the bilateral amygdala (left, 75 voxels plus 8 voxels in a marginally significant second peak; right, 25 voxels) in the contrast Gain Sure > Gain Risk. No amygdala activation survived FWE correction in the contrast Loss Risk > Loss Sure with this covariate. A higher false alarm rate to happy distractors was also associated with marginally increased activation in the left caudate (3 peaks containing 11, 15, and 8 voxels) and in the right

caudate (9 voxels) in the contrast Framing > No Framing; no caudate activation survived FWE correction for this covariate in Gain Sure > Gain Risk or Loss Risk > Loss Sure. No activation in the IFG or IPL survived FWE correction in framing-consistent contrasts with the covariate false alarm rate to happy distractors.

***False alarm rate to fearful distractors.*** A higher false alarm rate to fearful distractors was associated with increased activation in the left amygdala (11 voxels) in the contrast Framing > No Framing, as well as increased activation in the bilateral amygdala (left, 75 voxels; right, 25 voxels) in the contrast GainSure > Gain Risk. No amygdala activation survived FWE correction in the contrast Loss Risk > Loss Sure with this covariate. We observed increased activation in the bilateral caudate (left, 65 voxels, plus 12 voxels in a marginally significant second peak; right, 28 voxels) in the contrast Framing > No Framing, as well as a marginally significant increase in left caudate activation for the contrast Gain Sure > Gain Risk (two peaks of 7 and 10 voxels, respectively). We also observed a marginally significant increase in right caudate activation (10 voxels) in the contrast Loss Risk > Loss Sure. No IFG or IPL activation survived FWE correction in the contrast F > NF, Gain Sure > Gain Risk, or Loss Risk > Loss Sure with this covariate.

***False alarm rate to calm distractors.*** A higher false alarm rate to fearful distractors was associated with increased activation in the left amygdala (11 voxels) in the contrast Framing > No Framing, as well as increased activation in the bilateral amygdala (left, 60 voxels, plus 3 voxels in a marginally significant second peak; right, two marginally significant peaks containing 6 and 4 voxels, respectively) in the contrast Gain Sure > Gain Risk. No amygdala activation was observed in the contrast Loss Risk > Loss Sure for this covariate. We also observed marginally increased activation in the bilateral caudate (left, three marginally

significant peaks containing 9, 14, and 6 voxels, respectively; right, one marginally significant peak containing 13 voxels) in the contrast Framing > No Framing, as well as increased activation in the left caudate in the contrast Gain Sure > Gain Risk (21 voxels, plus 10 voxels in a marginally significant second peak) and a marginal increase in right caudate activation in the contrast Loss Risk > Loss Sure (4 voxels). No activation in the IFG or IPL was significant in any framing-consistent contrasts for this covariate.

***False alarm rate and framing-inconsistent contrasts.*** Region-of-interest analyses of the IFG and IPL yielded no significant results for false alarm rate to emotional distractors, happy distractors, fearful distractors, or calm distractors in the contrasts No Framing > Framing, Gain Risk > Gain Sure, or Loss Sure > Loss Risk at an uncorrected threshold of  $p < .001$ ,  $k = 5$ .

**Whole-brain analyses.** Whole-brain results for framing-consistent contrasts are reported in Table 7-Table 10. Activations that survive FWE correction at the cluster level are described below.

***False alarm rate to emotional distractors.*** For the covariate false alarm rate to emotional distractors in the contrast Framing > No Framing, whole-brain activation in the left cerebellum and left precuneus survived FWE correction. Activations in the caudate and inferior parietal lobule did not survive FWE correction. For the same covariate in the contrast Gain Sure > Gain Risk, we observed significant clusters with peaks in the left cerebellum, right rolandic operculum, left precuneus, and right cuneus, as well as marginally significant activations in the left superior temporal gyrus and right precuneus. No clusters survived FWE correction for this covariate in the contrast Loss Risk > Loss Sure.

***False alarm rate to happy distractors.*** For the covariate false alarm rate to happy distractors in the contrast Framing > No Framing, whole-brain activation in the left cerebellum

and left precuneus survived FWE correction. For the same covariate in the contrast Gain Sure > Gain Risk, we observed significant clusters with peaks in the left cerebellum, left precuneus, right rolandic operculum, and right cuneus, as well as marginally significant activations in the left superior temporal gyrus and right precuneus. No clusters survived FWE correction for this covariate in the contrast Loss Risk > Loss Sure.

***False alarm rate to fearful distractors.*** For the covariate false alarm rate to fearful distractors in the contrast Framing > No Framing, whole-brain activation in the left cerebellum survived FWE correction. No clusters survived FWE correction for this covariate in the contrasts Gain Sure > Gain Risk or Loss Risk > Loss Sure.

***False alarm rate to calm distractors.*** For the covariate false alarm rate to calm distractors in the contrast Framing > No Framing, whole-brain activation in the left cerebellum and left precuneus survived FWE correction. For the same covariate in the contrast Gain Sure > Gain Risk, we observed significant clusters with peaks in the left cerebellum, right rolandic operculum, right cuneus, left superior temporal gyrus, and right precuneus, as well as marginally significant activations in the left superior temporal gyrus and left precuneus. No clusters survived FWE correction for this covariate in the contrast Loss Risk > Loss Sure.

***False alarm rate and framing-inconsistent contrasts.***

A higher false alarm rate to emotional distractors was associated with increased activation in the left middle occipital gyrus in the contrast No Framing > Framing. No activations surviving FWE correction in the contrasts Gain Risk > Gain Sure or Loss Sure > Loss Risk covaried with false alarm rate to emotional distractors.

A higher false alarm rate to happy distractors was associated with increased activation in the left middle occipital gyrus in the contrast No Framing > Framing. No activations surviving

FWE correction in the contrasts Gain Risk > Gain Sure or Loss Sure > Loss Risk covaried with false alarm rate to happy distractors.

A higher false alarm rate to fearful distractors was associated with increased activation in the left middle occipital gyrus in the contrast No Framing > Framing. No activations surviving FWE correction in the contrasts Gain Risk > Gain Sure or Loss Sure > Loss Risk covaried with false alarm rate to fearful distractors.

A higher false alarm rate to calm distractors was associated with increased activation in the left middle occipital gyrus in the contrast No Framing > Framing. No activations surviving FWE correction in the contrasts Gain Risk > Gain Sure or Loss Sure > Loss Risk covaried with false alarm rate to calm distractors.

## **Discussion**

### **Emotional go/no-go behavior**

Consistent with previous research on the emotional go/no-go paradigm, our results suggest that emotional faces are more salient than calm faces. We found that discrimination was highest for happy targets, intermediate for fearful targets, and lowest for calm targets. Similarly, criterion was lowest for happy targets, intermediate for fearful targets, and highest for calm targets (although this effect was only significant without controlling for age). Thus, it was easier for participants to discriminate between target and distractor when the target was emotional than when the target was calm, and the threshold for responding to an emotional target was lower than the threshold for responding to a calm target. These results are consistent with the interpretation that emotional targets facilitate approach responses (given that they lowered criterion), and they may also facilitate perceptual processing (given that they increased discrimination).

Emotional faces also had distinct effects on response inhibition, as evidenced by the effects of emotional distractors on discrimination, false alarm rate, and reaction time. Discrimination was lower in blocks with happy or fearful distractors than in blocks with calm distractors. Additionally, false alarm rates were higher in blocks with happy or fearful distractors than in blocks with calm distractors (but only when not controlling for age and gender). Responses to targets (not distractors) were slowest in blocks with happy distractors, followed by blocks with fearful distractors, and fastest for blocks with calm distractors. Together, these results suggest that inhibiting a response to an emotional distractor interferes with approach responses to targets more than does inhibiting a response to a calm distractor.

Our results also yielded some evidence for differential effects of happy versus fearful emotions. In general, these differences were such that happy faces showed stronger effects than fearful faces, which sometimes showed stronger effects than calm faces. For example, discrimination was higher for happy targets than for fearful or calm targets, but the latter two emotions did not differ from one another. Our results generally do not provide evidence of a qualitative difference between happy and fearful faces (such that, for example, happy and fearful faces had opposite effects on responses). Instead, fearful faces occupied intermediate space between happy and calm in terms of criterion,  $d'$ , and reaction time. This is consistent with previous research showing that both happy and fearful faces may capture attention more easily than calm faces, but approaching fear faces may require additional effort compared to approaching happy or calm faces (Hare et al., 2008).

We found that increasing age was associated with slower reaction times and a lower speed-accuracy tradeoff. In our results, the effects of age did not vary between emotional and non-emotional faces, or between happy and fearful emotions (e.g., Hare et al., 2005; Tottenham

et al., 2011). Although age did not interact with emotion in any of our measures, age did explain substantial variance in the effects of emotion, given that, when age was removed from model, emotion X stimulus type interactions became significant. Although this study was not designed to test developmental differences, we had a sufficient range of ages to capture age-related variance. Our findings of increased reaction time and decreased speed-accuracy tradeoff with increasing age are consistent with results reported by studies that examined developmental differences between children, adolescents, and adults (e.g., Hare et al., 2008; Somerville et al., 2011; Tottenham et al., 2011).

### **Framing behavior**

We observed framing effects for both decision and signed confidence in both the full and reduced samples. Here, we discuss the effects for signed confidence in the full behavioral sample, which was the most highly powered analysis. We observed significant effects of truncation, such that presenting only the zero risky complement increased framing effects, but presenting only the nonzero risky complement reduced framing effects, relative to the standard version of the problem (in which both risky complements are presented). This replicates behavioral effects reported previously (e.g., Chick et al., 2016; Kuhberger & Tanner, 2010; Reyna et al., 2014).

These effects are consistent with the fuzzy-trace theory prediction that framing effects are driven by categorical gist-based processing, but they are inconsistent with the prediction by prospect theory that framing effects should be observed at typical levels when the zero complement is removed (Kuhberger & Tanner, 2010; see discussions by Chick et al., 2016; Reyna et al., 2014). Additionally, neither the affect heuristic nor the hot-cold framework predicts that our cognitive manipulation should influence framing behavior, given that these

theories attribute framing effects to emotional impulsivity. Next, we discuss whether these theories accurately predicted the relation between emotional inhibition and framing effects at the level of behavior.

### **Relation of emotion regulation to framing behavior**

Results for the fMRI subsample were qualitatively similar to those observed in the full behavioral sample. Although usually significant, sometimes these results were nonsignificant in the smaller sample, likely due to reduced power. Below, we discuss the results from the full behavioral sample, but we note key differences when they exist.

We observed a significant interaction between frame and false alarm rate to emotional distractors, such that framing effects increased with increasing false alarm rate. The effect of false alarm rate was not significant when analyses were limited to problems from only the gain frame or only the loss frame, indicating that this effect was not driven by one frame but, instead, by the difference in risk taking between frames. The results suggest that impaired response inhibition for emotional distractors is associated with increased framing effects. Follow-up analyses indicated that the effect of false alarm rate to emotional distractors remained significant when happy and fearful distractors were analyzed separately. The Frame x False Alarm Rate interaction was significant when Happy and Fear were tested separately, and the effect was in the same direction (i.e., increased framing with increasing false alarm rate).

In contrast to our findings for analyses of false alarm rate to emotional distractors, we found no relation between framing effects and false alarm rate to calm distractors. This is consistent with the prediction by the affect heuristic and the hot-cold framework that framing effects are driven by a failure to curtail emotional reactivity (e.g., De Martino et al., 2006; Kahneman & Frederick, 2007). Notably, the inability to inhibit responses in a “cool” context

(i.e., withholding responses to calm distractors) was unrelated to framing behavior, suggesting that framing effects may be driven selectively by “hot” processing (i.e., the failure to curtail emotional reactivity), rather than by a more general deficit in self-regulation.

Consistent with the prediction by fuzzy-trace theory, the interaction between frame and truncation remained significant after controlling for age, gender, and false alarm rate to emotional distractors. This indicates that our cognitive manipulation affected risky decision making regardless of the ability to regulate one’s emotions, which is consistent with the fuzzy-trace theory prediction that cognitive representations influence risky decision making in a way can be robust to individual differences. Similarly, effects of age, gender, and lives versus money remained significant when controlling for false alarm rate to emotional distractors, suggesting that poor emotion regulation has a relatively limited relation to framing decisions. We did not observe a significant three-way interaction between frame, truncation, and false alarm rate to emotional distractors. However, future studies should continue to explore whether traits interact with cognitive manipulation in order to influence decision making (as was reported by Reyna et al., 2011).

### **Relation of emotion regulation to BOLD activation during framing decisions**

The affect heuristic and the hot-cold framework predict that framing effects are driven by a failure to inhibit emotional reactivity. We reasoned that, if this were true, then there should be overlap in the brain regions activated during (a) failure of emotion regulation and (b) decisions consistent with the framing effect. Therefore, we identified regions previously found active during the emotional go/no-go task (specifically, during the failure to inhibit responses to emotional distractors), and we used these as regions of interest in fMRI analyses of framing decisions. We tested whether activation in these regions during framing effects covaried with

the inability to regulate emotional responses in a behavioral go/no-go task. Our results suggest an affirmative answer. Activation in the amygdala and caudate, which have been shown in multiple independent samples to increase during false alarms to emotional distractors, also increased during framing-consistent decisions, in a manner proportional to individual differences in emotional regulation. This is consistent with the interpretation that framing effects are driven by a combination of emotional reactivity and failure to inhibit initial emotional responses (Kahneman & Frederick, 2007).

*Consistency between behavioral and neuroimaging results.* Our neuroimaging results are largely consistent with our behavioral results. However, the neuroimaging results provide additional insight into the mechanisms of framing effects. In behavioral analyses, we found a positive relation between false alarm rate to emotional distractors and susceptibility to framing effects; false alarm rate to calm distractors was unrelated to susceptibility to framing effects. These behavioral results are consistent with the interpretation that framing effects are driven, at least in part, by emotional reactivity. However, our fMRI results showed a less selective relation between framing and false alarm rate to emotional distractors. That is, the same brain regions covaried with false alarm rate to emotional distractors as covaried with false alarm rate to calm distractors. In region-of-interest analyses, individuals with higher false alarm rate to happy, fearful and calm distractors showed a similar profile of covariation during framing decisions in the amygdala and caudate. The lack of differentiation between emotional and non-emotional distractors in region-of-interest analyses suggests that the role played by the amygdala and caudate might reflect reduced capacity for inhibition that is not selective to emotional stimuli. This point of divergence represents added value of the neuroimaging results above and beyond

behavioral results, but future studies should continue to test whether activation in these regions is selective to emotional stimuli.

### **Conclusion**

Our results support predictions by both cognitive and emotional theories. The results of our cognitive manipulation support the prediction by fuzzy-trace theory that framing effects are driven by categorical cognitive representations and are diminished by compensatory valuation. However, the same results are inconsistent with prospect theory, which predicts that removing the zero risky complement should have no effects on framing decisions (Kuhberger & Tanner, 2010). Crucially, our cognitive manipulation modulated framing behavior even when controlling for individual differences in emotion regulation, suggesting that cognitive representations can affect risky decision making regardless of emotion regulation ability.

As predicted by both the affect heuristic and the hot-cold framework, individual differences in self-regulation in the “hot” behavioral version of the emotional go/no-go task (i.e., happy or fearful distractors) predicted susceptibility to framing effects. In contrast, we found no relation between framing effects and false alarm rate to calm distractors. This is consistent with the prediction by the affect heuristic and the hot-cold framework that framing effects are driven by emotional reactivity (e.g., De Martino et al., 2006; Kahneman & Frederick, 2007). Notably, the inability to inhibit responses in a “cool” context (i.e., withholding responses to calm distractors) was unrelated to framing behavior, suggesting that framing effects may be driven selectively by “hot” processing (i.e., emotional reactivity), rather than by a more general deficit in self-regulation.

We found that increased amygdala activation during framing-consistent decisions was associated with poorer self-regulation in the emotional go/no-go task. Interestingly, however,

amygdala activation during framing effects covaried with false alarm rate in both “hot” and “cold” go/no-go conditions (i.e., false alarms to happy and fearful distractors, as well as to calm distractors). This suggests that amygdala activation during framing effects may reflect salience rather than a distinctly emotional function, consistent with multiple recent reports. This interpretation is also consistent with the previous finding that group-level amygdala activation increased when attention was drawn to categorical differences between options, but decreased when attention was drawn away from categorical differences (Chick et al., 2016). Combined with the results reported here, this is consistent with a salience detector role for the amygdala (Cunningham & Brosch, 2012; Ousdal, Specht, Server, et al., 2014), which incorporates but is not limited to emotionally salient information.

### References

- Anderson, E., Siegel, E. H., & Barrett, L. F. (2011). What you feel influences what you see: The role of affective feelings in resolving binocular rivalry. *Journal of Experimental Social Psychology* 47(4), 856-860. doi:10.1016/j.jesp.2011.02.009
- Baayen, R. H., Davidson, D. J., & Bates, D. M. (2008). Mixed-effects modeling with crossed random effects for subjects and items. *Journal of Memory and Language*, 59(4), 390-412. doi: 10.1016/j.jml.2007.12.005
- Balderston, N. L., Schultz, D. H., & Helmstetter, F. J. (2011). The human amygdala plays a stimulus specific role in the detection of novelty. *NeuroImage*, 55(4), 1889-1898. doi:10.1016/j.neuroimage.2011.01.034
- Barrett, L. F., & Bar, M. (2009). See it with feeling: affective predictions during object perception. *Philosophical Transactions of the Royal Society of London B: Biological Sciences* 364(1521), 1325-1334. doi: 10.1098/rstb.2008.0312
- Batterink, L., Yokum, S., & Stice, E. (2010). Body mass correlates inversely with inhibitory control in response to food among adolescent girls: an fMRI study. *NeuroImage* 52(4), 1696-1703. doi:10.1016/j.neuroimage.2010.05.059
- Bechara, A., & Damasio, A. R. (2005). The somatic marker hypothesis: A neural theory of economic decision. *Games and Economic Behavior* 52(2), 336-372. doi:10.1016/j.geb.2004.06.010
- Bechara, A., Damasio, H., Tranel, D., & Damasio, A. R. (2005). The Iowa Gambling Task and the somatic marker hypothesis: some questions and answers. *Trends in Cognitive Sciences* 9(4), 159-162. doi:10.1016/j.tics.2005.02.002

- Brainerd, C. J., Reyna, V. F., & Howe, M. L. (2009). Trichotomous processes in early memory development, aging, and neurocognitive impairment: a unified theory. *Psychological Review*, *116*(4), 783.
- Brainerd, C. J., Stein, L. M., Silveira, R. A., Rohenkohl, G., & Reyna, V. F. (2008). How does negative emotion cause false memories? *Psychological Science* *19*(9), 919-925. doi: 10.1111/j.1467-9280.2008.02177.x
- Casey, B. J., Somerville, L. H., Gotlib, I. H., Ayduk, O., Franklin, N. T., Askren, M. K., ... & Shoda, Y. (2011). Behavioral and neural correlates of delay of gratification 40 years later. *Proceedings of the National Academy of Sciences* *108*(36), 14998-15003. doi: 10.1073/pnas.1108561108
- Cassotti, M., Habib, M., Poirel, N., Aïte, A., Houdé, O., & Moutier, S. (2012). Positive emotional context eliminates the framing effect in decision-making. *Emotion* *12*(5), 926-931. doi: 10.1037/a0026788
- Charpentier, C. J., De Neve, J. E., Li, X., Roiser, J. P., & Sharot, T. (2016). Models of affective decision making: How do feelings predict choice? *Psychological Science* (advance online publication), 1-13. doi:10.1177/0956797616634654
- Chen, A. C., Welsh, R. C., Liberzon, I., & Taylor, S. F. (2010). 'Do I like this person?' A network analysis of midline cortex during a social preference task. *NeuroImage*, *51*(2), 930-939. doi:10.1016/j.neuroimage.2010.02.044
- Chick, C. F. (2014). Basic mechanisms of numerical processing: Cross-modal number comparisons and symbolic versus nonsymbolic numerosity in the intraparietal sulcus. *Journal of Neuroscience*, *34*(5), 1567-1569. doi: 10.1523/JNEUROSCI.4771-13.2014

- Chick, C. F. (2015). Reward processing in the adolescent brain: Individual differences and relation to risk taking. *Journal of Neuroscience*, *35*(40), 13539-13541. doi: 10.1523/JNEUROSCI.2571-15.2015
- Chick, C. F., Pardo, S. T., Reyna, V.F. & Goldman, D. A. (2012). Decision making (Individuals). In *Encyclopedia of Human Behavior*, 6th Ed. San Diego, CA: Elsevier Academic Press. doi: 10.1016/B978-0-12-375000-6.00122-1
- Chick, C. F., & Reyna, V. F. (2012). A fuzzy trace theory of adolescent risk taking: Beyond self-control and sensation seeking. In V. F. Reyna, S. B. Chapman, M. R. Dougherty & J. Confrey (Eds.), *The adolescent brain: Learning, reasoning, and decision making*. (pp. 379-428). Washington, DC US: American Psychological Association. doi:10.1037/13493-013
- Chick, C. F., Reyna, V. F., & Corbin, J. C. (2016). Framing effects are robust to linguistic disambiguation: A critical test of contemporary theory. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *42*(2), 238-256. doi: 10.1037/xlm0000158
- Cheung, E., & Mikels, J. A. (2011). I'm feeling lucky: The relationship between affect and risk-seeking in the framing effect. *Emotion* *11*(4), 852-859. doi:10.1037/a0022854
- Chung, T., Paulsen, D. J., Geier, C. F., Luna, B., & Clark, D. B. (2015). Regional brain activation supporting cognitive control in the context of reward is associated with treated adolescents' marijuana problem severity at follow-up: A preliminary study. *Developmental Cognitive Neuroscience* *16*, 93-100. doi:10.1016/j.dcn.2015.05.004

- Clore, G. L., Schwarz, N., & Conway, M. (1994). Affective causes and consequences of social information processing. In R. S. Wyer & T. K. Srull (Eds.), *Handbook of social cognition, Vol. 1* (pp. 323-417). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Corson, Y., & Verrier, N. (2007). Emotions and false memories: Valence or arousal? *Psychological Science* 18(3), 208-211. doi: 10.1111/j.1467-9280.2007.01874.x
- Cox, R. W. (1996). AFNI: software for analysis and visualization of functional magnetic resonance neuroimages. *Computers and Biomedical research*, 29(3), 162-173.
- Cox, R. W. (2012). AFNI: what a long strange trip it's been. *NeuroImage* 62(2), 743-747.
- Cunningham, W. A., & Brosch, T. (2012). Motivational salience amygdala tuning from traits, needs, values, and goals. *Current Directions in Psychological Science* 21(1), 54-59. doi: 10.1177/0963721411430832
- Darlow, A. L., & Sloman, S. A. (2010). Two systems of reasoning: Architecture and relation to emotion. *Wiley Interdisciplinary Reviews: Cognitive Science* 1(3), 382-392. doi: 10.1002/wcs.34
- De Martino, B., Kumaran, D., Seymour, B., & Dolan, R. J. (2006). Frames, biases, and rational decision-making in the human brain. *Science* 313(5787), 684-687.
- De Martino, B., Harrison, N. A., Knafik, S., Bird, G., & Dolan, R. J. (2008). Explaining enhanced logical consistency during decision making in autism. *The Journal of Neuroscience* 28(42), 10746-10750. doi: 10.1523/JNEUROSCI.2895-08.2008
- De Martino, B., Kumaran, D., Holt, B., & Dolan, R. J. (2009). The neurobiology of reference-dependent value computation. *The Journal of Neuroscience* 29(12), 3833-3842. doi: 10.1523/JNEUROSCI.4832-08.2009

- De Neys, W. (2012). Bias and conflict a case for logical intuitions. *Perspectives on Psychological Science* 7(1), 28-38. doi: 10.1177/1745691611429354
- De Neys, W., Moyens, E., & Vansteenwegen, D. (2010). Feeling we're biased: Autonomic arousal and reasoning conflict. *Cognitive, Affective, & Behavioral Neuroscience* 10(2), 208-216. doi: 10.3758/CABN.10.2.208
- Doallo, S., Raymond, J. E., Shapiro, K. L., Kiss, M., Eimer, M., & Nobre, A. C. (2012). Response inhibition results in the emotional devaluation of faces: neural correlates as revealed by fMRI. *Social Cognitive and Affective Neuroscience* 7(6), 649-659. doi: 10.1093/scan/nsr031
- Dunn, B. D., Dalgleish, T., & Lawrence, A. D. (2006). The somatic marker hypothesis: A critical evaluation. *Neuroscience & Biobehavioral Reviews* 30(2), 239-271. doi:10.1016/j.neubiorev.2005.07.001
- Eickhoff, S. B., Paus, T., Caspers, S., Grosbras, M. H., Evans, A. C., Zilles, K., & Amunts, K. (2007). Assignment of functional activations to probabilistic cytoarchitectonic areas revisited. *NeuroImage* 36(3), 511-521.
- Elliott, R., Rubinsztein, J. S., Sahakian, B. J., & Dolan, R. J. (2000). Selective attention to emotional stimuli in a verbal go/no-go task: an fMRI study. *Neuroreport* 11(8), 1739-1744. doi: 10.1097/00001756-200006050-00028
- Epstein, S. (1994). Integration of the cognitive and the psychodynamic unconscious. *American Psychologist* 49(8), 709-724. doi: 10.1037/0003-066X.49.8.709
- Etkin, A., Egner, T., Peraza, D. M., Kandel, E. R., & Hirsch, J. (2006). Resolving emotional conflict: a role for the rostral anterior cingulate cortex in modulating activity in the amygdala. *Neuron* 51(6), 871-882.

- Evans, J. S. B. (2008). Dual-processing accounts of reasoning, judgment, and social cognition. *Annual Review of Psychology* 59, 255-278. doi: 10.1146/annurev.psych.59.103006.093629
- Evans, J. S. B. (2010). Intuition and reasoning: A dual-process perspective. *Psychological Inquiry*, 21(4), 313-326.
- Evans, J. S. B., & Stanovich, K. E. (2013). Dual-process theories of higher cognition advancing the debate. *Perspectives on Psychological Science* 8(3), 223-241.
- Fagley, N. S., Coleman, J. G., & Simon, A. F. (2010). Effects of framing, perspective taking, and perspective (affective focus) on choice. *Personality and Individual Differences* 48(3), 264-269. doi:10.1016/j.paid.2009.10.008
- Figner, B., Mackinlay, R. J., Wilkening, F., & Weber, E. U. (2009). Affective and deliberative processes in risky choice: age differences in risk taking in the Columbia Card Task. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 35(3), 709. doi: 10.1037/a0014983
- Fox, C. R. & Poldrack, R. A. (2009). Prospect theory and the brain. In P. W. Glimcher, C. F. Camerer, E. Fehr, & R. Poldrack (Eds.), *Neuroeconomics: Decision Making and the Brain* (pp. 145-173). London: Elsevier.
- Frederick, S. (2005). Cognitive reflection and decision making. *The Journal of Economic Perspectives*, 19(4), 25-42.
- Fredrickson, B. L. (2001). The role of positive emotions in positive psychology: The broaden-and-build theory of positive emotions. *American Psychologist* 56(3), 218-226. doi: 10.1037/0003-066X.56.3.218

- Gladwin, T. E., & Figner, B. (2014). " Hot" cognition and dual systems: Introduction, criticisms, and ways forward. In E. A. Wilhelms & V. F. Reyna (Eds.), *Neuroeconomics, judgment, and decision making* (pp. 157-180). New York: Psychology Press.
- Gläscher, J. (2009). Visualization of group inference data in functional neuroimaging. *Neuroinformatics*, 7(1), 73-82.
- Goldstein, M., Brendel, G., Tuescher, O., Pan, H., Epstein, J., Beutel, M., . . . Silbersweig, D. (2007). Neural substrates of the interaction of emotional stimulus processing and motor inhibitory control: An emotional linguistic go/no-go fMRI study. *NeuroImage*, 36(3), 1026-1040. doi: 10.1016/j.neuroimage.2007.01.056
- Green, D.M. & Swets, J.A. (1966). *Signal detection and psychophysics*. New York: Wiley.
- Habib, M., Cassotti, M., Moutier, S., Houdé, O., & Borst, G. (2015). Fear and anger have opposite effects on risk seeking in the gain frame. *Frontiers in Psychology* 6: 253. doi: 10.3389/fpsyg.2015.00253
- Hare, T. A., Tottenham, N., Davidson, M. C., Glover, G. H., & Casey, B. J. (2005). Contributions of amygdala and striatal activity in emotion regulation. *Biological Psychiatry*, 57(6), 624-632. doi: 10.1016/j.biopsych.2004.12.038
- Hare, T. A., Tottenham, N., Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J. (2008). Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task. *Biological Psychiatry*, 63(10), 927-934.

- Kahneman, D. (2003). A perspective on judgment and choice: Mapping bounded rationality. *American Psychologist* 58(9), 697-720. doi: 10.1037/0003-066X.58.9.697
- Kahneman, D. (2011). *Thinking, fast and slow*. New York: Macmillan.
- Kahneman, D., & Frederick, S. (2002). Representativeness revisited: Attribute substitution in intuitive judgment. In T. Gilovich, D. Griffin & D. Kahneman (Eds.), *Heuristics of Intuitive Judgment: Extensions and Applications* (pp. 49-78). New York: Cambridge University Press.
- Kahneman, D., & Frederick, S. (2007). Frames and brains: Elicitation and control of response tendencies. *Trends in Cognitive Sciences*, 11(2), 45-46.  
doi:10.1016/j.tics.2006.11.007
- Kahneman, D., & Tversky, A. (1979). Prospect theory: Analysis of decision under risk. *Econometrica*, 47(2), 263-291. doi: 10.2307/1914185
- Kahneman, D., & Tversky, A. (1984). Choices, values, and frames. *American Psychologist*, 39(4), 341.
- Kinnear, N., Kelly, S. W., Stradling, S., & Thomson, J. (2013). Understanding how drivers learn to anticipate risk on the road: A laboratory experiment of affective anticipation of road hazards. *Accident Analysis & Prevention* 50, 1025-1033.  
doi:10.1016/j.aap.2012.08.008
- Kühberger, A., & Tanner, C. (2010). Risky choice framing: Task versions and a comparison of prospect theory and fuzzy-trace theory. *Journal of Behavioral Decision Making*, 23(3), 314-329. doi: 10.1002/bdm.656
- Kuhnen, C. M., & Knutson, B. (2005). The neural basis of financial risk taking. *Neuron* 47(5), 763-770. doi:10.1016/j.neuron.2005.08.008

- Lloyd, F. J. & Reyna, V. F. (2009). Clinical gist and medical education: Connecting the dots. *Journal of the American Medical Association*, 302(12), 1332-1333. doi: 10.1001/jama.2009.1383.
- Locke, H. S., & Braver, T. S. (2008). Motivational influences on cognitive control: behavior, brain activation, and individual differences. *Cognitive, Affective, & Behavioral Neuroscience*, 8(1), 99-112.
- Loewenstein, G. F., Weber, E. U., Hsee, C. K., & Welch, N. (2001). Risk as feelings. *Psychological Bulletin* 127(2), 267. doi: 10.1037/0033-2909.127.2.267
- Mandel, D. R. (2014). Do framing effects reveal irrational choice? *Journal of Experimental Psychology: General*, 143(3), 1185-1198. doi: 10.1037/a0034207
- Markovic, J., Anderson, A. K., & Todd, R. M. (2014). Tuning to the significant: Neural and genetic processes underlying affective enhancement of visual perception and memory. *Behavioural Brain Research* 259, 229-241. doi:10.1016/j.bbr.2013.11.018
- Metcalfe, J., & Mischel, W. (1999). A hot/cool-system analysis of delay of gratification: dynamics of willpower. *Psychological Review* 106(1), 3-19. doi: 10.1037/0033-295X.106.1.3
- Mischel, W., Ebbesen, E. B., & Raskoff Zeiss, A. (1972). Cognitive and attentional mechanisms in delay of gratification. *Journal of Personality and Social Psychology*, 21(2), 204-218.
- Mischel, W., Shoda, Y., & Rodriguez, M. I. (1989). Delay of gratification in children. *Science* 244(4907), 933-938. doi: 10.1126/science.2658056
- Montague, P. R., & Berns, G. S. (2002). Neural economics and the biological substrates of valuation. *Neuron* 36(2), 265-284. doi:10.1016/S0896-6273(02)00974-1

- Naqvi, N., Shiv, B., & Bechara, A. (2006). The role of emotion in decision making: A cognitive neuroscience perspective. *Current Directions in Psychological Science* 15(5), 260-264. doi: 10.1111/j.1467-8721.2006.00448.x
- Nichols, T., & Hayasaka, S. (2003). Controlling the familywise error rate in functional neuroimaging: a comparative review. *Statistical Methods in Medical Research* 12(5), 419-446. doi: 10.1191/0962280203sm341ra
- Ousdal, O. T., Reckless, G. E., Server, A., Andreassen, O. A., & Jensen, J. (2012). Effect of relevance on amygdala activation and association with the ventral striatum. *NeuroImage*, 62(1), 95-101. doi:10.1016/j.neuroimage.2012.04.035
- Ousdal, O. T., Specht, K., Server, A., Andreassen, O. A., Dolan, R. J., & Jensen, J. (2014). The human amygdala encodes value and space during decision making. *NeuroImage* 101, 712-719. doi:10.1016/j.neuroimage.2014.07.055
- Padmanabhan, A., Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B. (2011). Developmental changes in brain function underlying the influence of reward processing on inhibitory control. *Developmental Cognitive Neuroscience* 1(4), 517-529. doi:10.1016/j.dcn.2011.06.004
- Peirce, J. W. (2007). PsychoPy—psychophysics software in Python. *Journal of Neuroscience Methods*, 162(1), 8-13.
- Peters, E. (2006). The functions of affect in the construction of preferences. In S. Lichtenstein & P. Slovic (Eds.), *The Construction of Preference* (pp. 454-463). New York: Cambridge University Press.

- Phelps, E. A., Lempert, K. M., & Sokol-Hessner, P. (2014). Emotion and decision making: multiple modulatory neural circuits. *Annual Review of Neuroscience* 37, 263-287.  
doi: 10.1146/annurev-neuro-071013-014119
- Poldrack, R. A. (2006). Can cognitive processes be inferred from neuroimaging data? *Trends in Cognitive Sciences* 10(2), 59-63. doi:10.1016/j.tics.2005.12.004
- Poldrack, R. A. (2007). Region of interest analysis for fMRI. *Social Cognitive and Affective Neuroscience*, 2(1), 67-70. doi: 10.1093/scan/nsm006
- Poldrack, R. A. (2011). Inferring mental states from neuroimaging data: from reverse inference to large-scale decoding. *Neuron* 72(5), 692-697.  
doi:10.1016/j.neuron.2011.11.001
- Reimann, M., & Bechara, A. (2010). The somatic marker framework as a neurological theory of decision-making: Review, conceptual comparisons, and future neuroeconomics research. *Journal of Economic Psychology* 31(5), 767-776.  
doi:10.1016/j.joep.2010.03.002
- Reyna, V. F. (2012). A new intuitionism: Meaning, memory, and development in fuzzy-trace theory. *Judgment and Decision Making*, 7(3), 332-359.
- Reyna, V. F., & Brainerd, C. J. (1991). Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. *Journal of Behavioral Decision Making*, 4(4), 249-262. doi:10.1002/bdm.3960040403
- Reyna, V. F., & Brainerd, C. J. (2011). Dual processes in decision making and developmental neuroscience: A fuzzy-trace model. *Developmental Review*, 31(2-3), 180-206. doi: 10.1016/j.dr.2011.07.004

- Reyna, V. F., Chick, C. F., Corbin, J. C., & Hsia, A. N. (2014). Developmental reversals in risky decision making: Intelligence agents show larger decision biases than college students. *Psychological Science, 25*(1), 76-84. doi: 10.1177/0956797613497022
- Reyna, V. F., Estrada, S. M., DeMarinis, J. A., Myers, R. M., Stanisiz, J. M., & Mills, B. A. (2011). Neurobiological and memory models of risky decision making in adolescents versus young adults. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 37*(5), 1125–1142. doi:10.1037/a0023943
- Reyna, V. F. & Huettel, S. A. (2014). *Reward, representation, and impulsivity: A theoretical framework for the neuroscience of risky decision making*. In Reyna, V. F. & Zayas, V. (Eds.), *The neuroscience of risky decision making* (pp.11–42). Washington, D. C.: American Psychological Association.
- Reyna, V. F., & Lloyd, F. J. (2006). Physician decision making and cardiac risk: effects of knowledge, risk perception, risk tolerance, and fuzzy processing. *Journal of Experimental Psychology: Applied, 12*(3), 179–95. doi:10.1037/1076-898X.12.3.179
- Reyna, V. F., & Rivers, S. E. (2008). Current theories of risk and rational decision making. *Developmental Review 28*(1), 1-11. doi: 10.1016/j.dr.2008.01.002
- Rivers, S. E., Reyna, V. F., & Mills, B. (2008). Risk taking under the influence: A fuzzy-trace theory of emotion in adolescence. *Developmental Review, 28*(1), 107-144. doi:10.1016/j.dr.2007.11.002
- Roiser, J. P., de Martino, B., Tan, G. C., Kumaran, D., Seymour, B., Wood, N. W., & Dolan, R. J. (2009). A genetically mediated bias in decision making driven by failure of amygdala control. *Journal of Neuroscience, 29*(18), 5985-5991. doi: 10.1523/JNEUROSCI.0407-09.2009

- Rottenstreich, Y., & Hsee, C. K. (2001). Money, kisses, and electric shocks: On the affective psychology of risk. *Psychological Science* 12(3), 185-190. doi: 10.1111/1467-9280.00334
- Rowe, G., Hirsh, J. B., & Anderson, A. K. (2007). Positive affect increases the breadth of attentional selection. *Proceedings of the National Academy of Sciences* 104(1), 383-388.
- Setton, R. A., Wilhelms, E. A., Weldon, R. B., Chick, C. F., & Reyna, V. F. (2014). An overview of judgment and decision making research through the lens of fuzzy trace theory. *Advances in Psychological Science* 22(12), 1837-1854. doi: 10.3724.SP.J.1042.2014.01837
- Schulz, K. P., Clerkin, S. M., Halperin, J. M., Newcorn, J. H., Tang, C. Y., & Fan, J. (2009). Dissociable neural effects of stimulus valence and preceding context during the inhibition of responses to emotional faces. *Human Brain Mapping* 30(9), 2821-2833. doi: 10.1002/hbm.20706
- Schulz, K. P., Fan, J., Magidina, O., Marks, D. J., Hahn, B., & Halperin, J. M. (2007). Does the emotional go/no-go task really measure behavioral inhibition?: Convergence with measures on a non-emotional analog. *Archives of Clinical Neuropsychology* 22(2), 151-160. doi:10.1016/j.acn.2006.12.001
- Schwarz, N., & Clore, G. L. (2003). Mood as information: 20 years later. *Psychological Inquiry* 14(3-4), 296-303. doi: 10.1080/1047840X.2003.9682896
- Schwarz, N. & Clore, G. L. (2007). Feelings and phenomenal experiences. In A. Kruglanski & E. T. Higgins (Eds.), *Social psychology: Handbook of basic principles, 2<sup>nd</sup> Ed.* (pp. 385-407). New York: Guilford.

- Sloman, S. A. (1996). The empirical case for two systems of reasoning. *Psychological Bulletin* 119(1), 3-22. doi: 10.1037/0033-2909.119.1.3
- Slovic, P., Finucane, M., Peters, E., & MacGregor, D. G. (2002). Rational actors or rational fools: Implications of the affect heuristic for behavioral economics. *The Journal of Socio-Economics* 31(4), 329-342. doi:10.1016/S1053-5357(02)00174-9
- Slovic, P., Finucane, M. L., Peters, E., & MacGregor, D. G. (2007). The affect heuristic. *European Journal of Operational Research*, 177(3), 1333-1352. doi:10.1016/j.ejor.2005.04.006
- Slovic, P., & Peters, E. (2006). Risk perception and affect. *Current Directions in Psychological Science* 15(6), 322-325. doi: 10.1111/j.1467-8721.2006.00461.x
- Snodgrass, J. G., & Corwin, J. (1988). Pragmatics of measuring recognition memory: applications to dementia and amnesia. *Journal of Experimental Psychology: General*, 117(1), 34.
- Somerville, L. H., Hare, T., & Casey, B. J. (2011). Frontostriatal maturation predicts cognitive control failure to appetitive cues in adolescents. *Journal of Cognitive Neuroscience*, 23(9), 2123-2134.
- Stanislaw, H., & Todorov, N. (1999). Calculation of signal detection theory measures. *Behavior Research Methods, Instruments, & Computers*, 31(1), 137-149.
- Stanovich KE (2004) *The robot's rebellion: finding meaning in the age of Darwin*. Chicago: University of Chicago Press.
- Strang, N. M., & Pollak, S. D. (2014). Developmental continuity in reward-related enhancement of cognitive control. *Developmental Cognitive Neuroscience*, 10, 34-43.

- Sütterlin, S., Schulz, S. M., Stumpf, T., Pauli, P., & Vögele, C. (2013). Enhanced cardiac perception is associated with increased susceptibility to framing effects. *Cognitive Science* 37(5), 922-935. doi: 10.1111/cogs.12036
- Todd, R. M., Lee, W., Evans, J. W., Lewis, M. D., & Taylor, M. J. (2012). Withholding response in the face of a smile: Age-related differences in prefrontal sensitivity to Nogo cues following happy and angry faces. *Developmental Cognitive Neuroscience*, 2(3), 340-350. doi: 10.1016/j.dcn.2012.01.004
- Tottenham, N., Tanaka, J. W., Leon, A. C., McCarry, T., Nurse, M., Hare, T. A., ... & Nelson, C. (2009). The NimStim set of facial expressions: judgments from untrained research participants. *Psychiatry Research*, 168(3), 242-249.
- Tottenham, N., Hare, T. A., Millner, A., Gilhooly, T., Zevin, J. D., & Casey, B. J. (2011). Elevated amygdala response to faces following early deprivation. *Developmental Science*, 14(2), 190-204. doi: 10.1111/j.1467-7687.2010.00971.x
- Tversky, A. & Kahneman, D. (1981). The framing of decisions and the psychology of choice. *Science*, 211(4481), 453-458. doi: 10.1126/science.7455683
- Woo, C. W., Krishnan, A., & Wager, T. D. (2014). Cluster-extent based thresholding in fMRI analyses: pitfalls and recommendations. *NeuroImage* 91, 412-419. doi:10.1016/j.neuroimage.2013.12.058

Table 1

*Example of Each Truncation of the Risky Option in the Gain Frame*

Condition	Sure option	Risky option	Prediction (FTT)
Zero complement presented			
Text	200 saved for sure	2/3 probability no one saved	Increased framing
Categorical gist	SOME	NONE	
Both complements presented			
Text	200 saved for sure	1/3 probability 600 saved; 2/3 probability no one saved	Standard framing
Categorical gist	SOME	SOME or NONE	
Nonzero complement presented			
Text	200 saved for sure	1/3 probability 600 saved	No framing
Categorical gist	SOME	SOME	

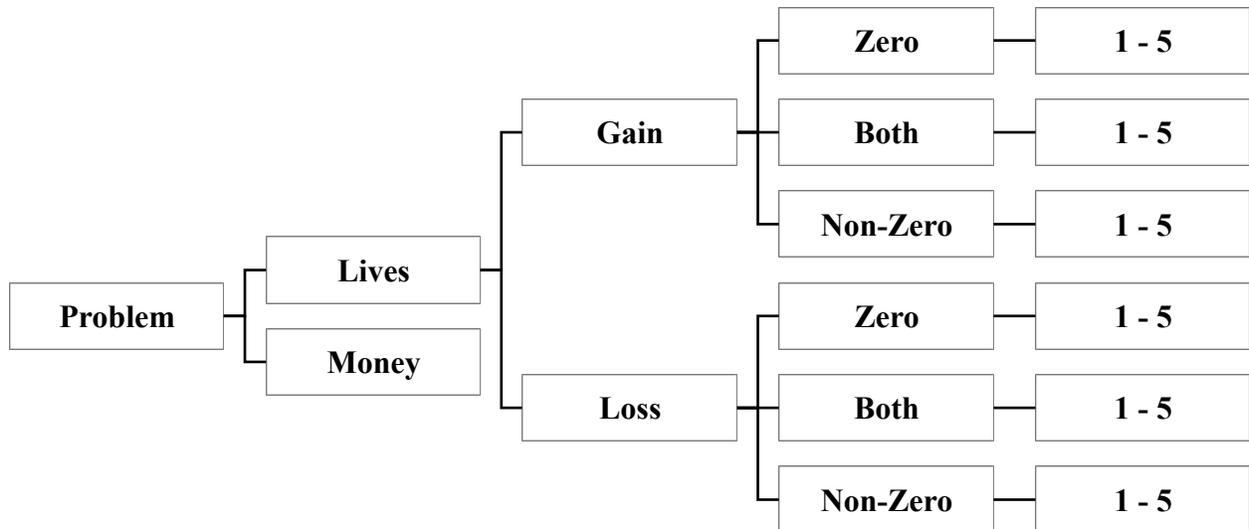
*Note.* The sure option was held constant. The traditional version presents both risky complements. For each problem, only one sure and one risky option were presented (i.e., only one truncation condition per problem). The options in this example are framed as gains; analogous manipulations were created for the loss frame (Table 2). FTT, fuzzy-trace theory.

Table 2

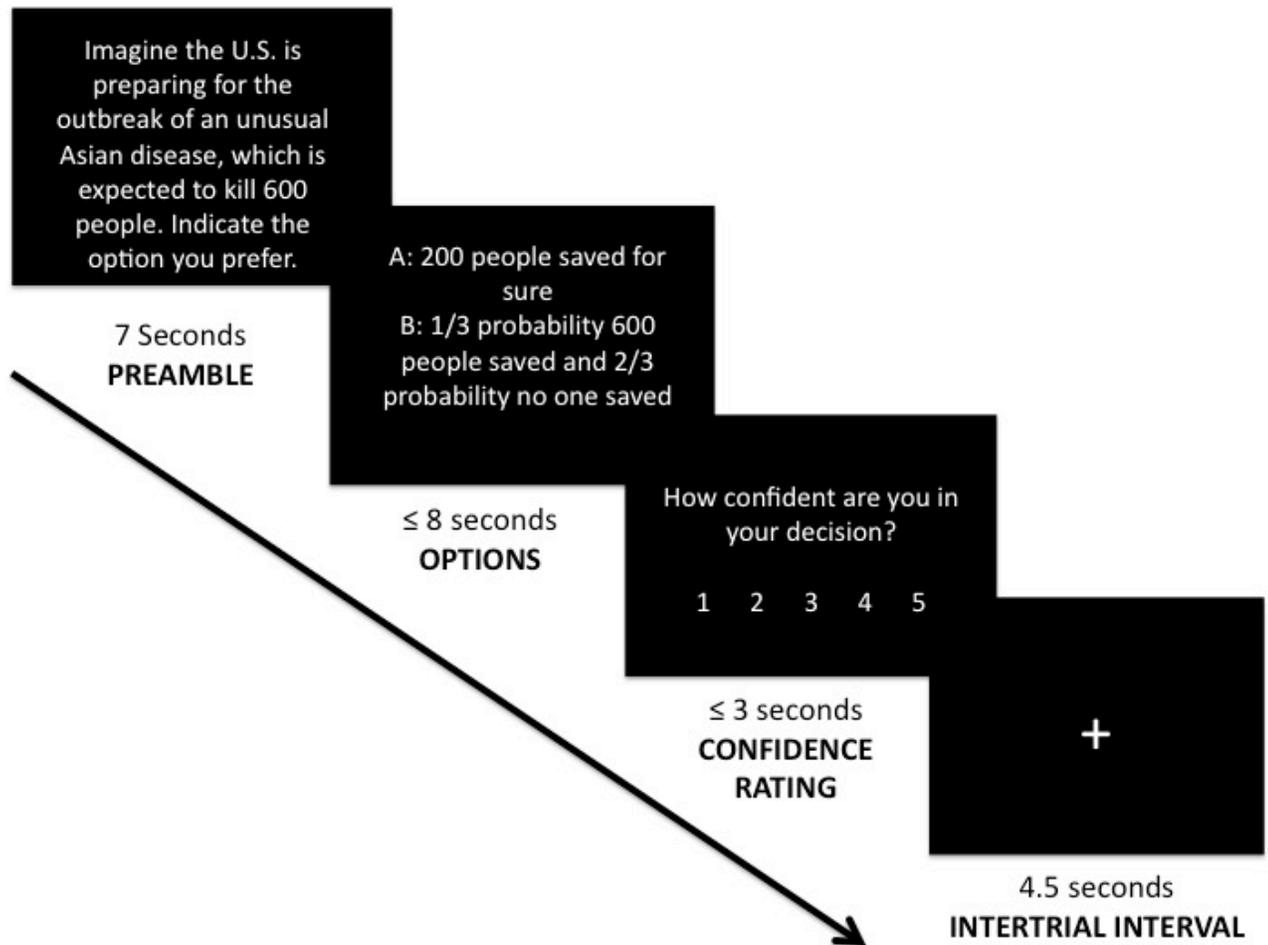
*Example of Each Truncation of the Risky Option in the Loss Frame*

Condition	Sure option	Risky option	Prediction (FTT)
Zero complement presented			
Text	400 die for sure	1/3 probability none die	Increased framing
Categorical gist	SOME	NONE	
Both complements presented			
Text	400 die for sure	1/3 probability none die; 2/3 probability 600 die	Standard framing
Categorical gist	SOME	SOME or NONE	
Nonzero complement presented			
Text	400 die for sure	2/3 probability 600 die	No framing
Categorical gist	SOME	SOME	

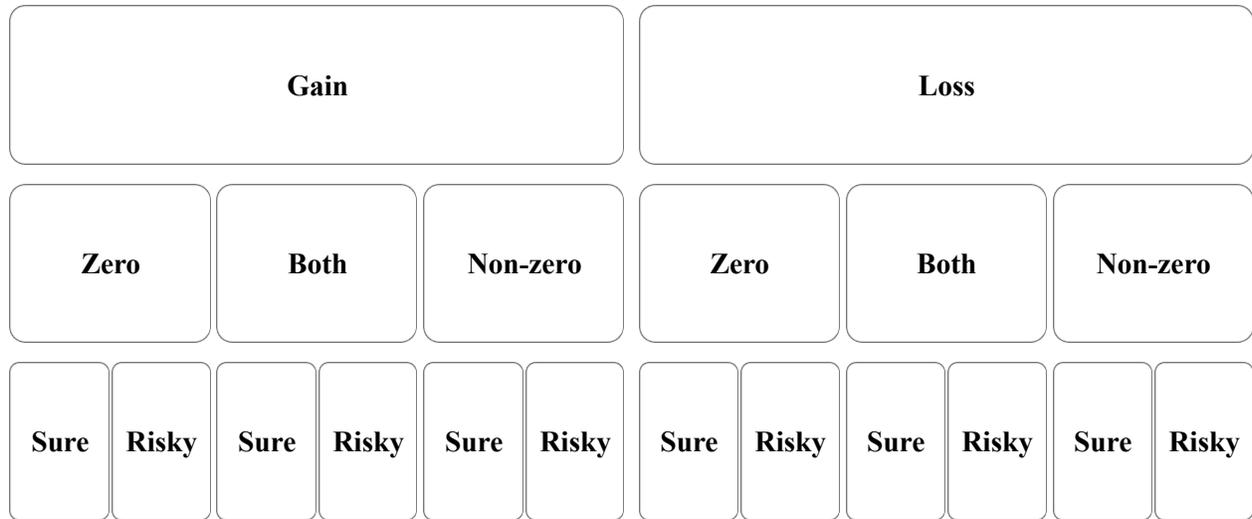
*Note.* The sure option was held constant. The traditional version presents both risky complements. For each problem, only one sure and one risky option were presented (i.e., only one truncation condition per problem). The options in this example are framed as losses; analogous manipulations were created for the gain frame (Table 1). FTT, fuzzy-trace theory.



*Figure 1.* Repeated measures factorial design. 20 problems were created; in each, either lives or money were at stake. Options were presented as gains or losses, and the risky option was truncated such that either the zero complement, the non-zero complement, or both complements were presented. Each participant completed five replications of each condition (with a different problem stem).



*Figure 2.* Timing and sequence of stimuli within each trial. Each participant completed 60 framing problems, divided into two pseudorandomized and counterbalanced runs. For options and confidence rating, the screen advanced as soon as the participant entered the response via button press.



*Figure 3.* Regressors in first-level fMRI analyses. As modeled in the first-level fMRI analyses, each participant received 10 replications of each of the six Frame\*Truncation conditions, for a total of 60 problems. (The fMRI analyses collapsed across lives and money, which showed no behavioral difference in framing effects). Decision (sure, risky) was also modeled in fMRI analyses. Thus, three factors (Frame, Truncation, and Decision) were modeled as individual regressors in the first-level fMRI analysis.

Table 3

*Summary Statistics for Emotional Go-NoGo Performance Measures in the Full Behavioral Sample (N = 99)*

	N	Min.	Max.	<i>M</i>	<i>SD</i>
Criterion	98	-1.211	0.170	-0.492	0.288
Criterion_CalmDistractor	97	-1.169	0.264	-0.552	0.313
Criterion_CalmFear	97	-1.294	0.915	-0.364	0.404
Criterion_CalmHappy	97	-1.966	0.725	-0.437	0.415
Criterion_CalmTarget	97	-1.571	0.544	-0.389	0.337
Criterion_EmotionalDistractor	97	-1.310	0.200	-0.493	0.276
Criterion_EmotionalTarget	97	-1.100	0.182	-0.603	0.259
Criterion_FearCalm	98	-1.792	0.435	-0.486	0.403
Criterion_FearDistractor	96	-1.133	0.724	-0.478	0.309
Criterion_FearHappy	97	-1.316	0.529	-0.609	0.342
Criterion_FearTarget	97	-1.166	0.333	-0.567	0.310
Criterion_HappyCalm	97	-1.316	0.382	-0.542	0.299
Criterion_HappyDistractor	97	-1.457	0.533	-0.525	0.328
Criterion_HappyFear	97	-1.437	0.000	-0.661	0.286
Criterion_HappyTarget	97	-1.239	0.174	-0.679	0.292
Criterion_NonEmotionalDistractor	97	-1.169	0.264	-0.552	0.313
Criterion_NonEmotionalTarget	97	-1.571	0.544	-0.389	0.337
DPrime	98	1.444	3.517	2.473	0.406
DPrime_CalmDistractor	97	1.561	4.320	2.915	0.529
DPrime_CalmFear	97	0.106	3.646	2.232	0.603
DPrime_CalmHappy	97	-1.476	3.932	2.178	0.882
DPrime_CalmTarget	97	-0.814	3.466	2.148	0.600
DPrime_EmotionalDistractor	97	0.379	3.766	2.354	0.486
DPrime_EmotionalTarget	97	1.875	3.862	2.776	0.390
DPrime_FearCalm	98	0.655	3.932	2.553	0.644
DPrime_FearDistractor	96	1.494	3.540	2.439	0.442
DPrime_FearHappy	97	0.118	3.932	2.641	0.649
DPrime_FearTarget	97	1.559	3.686	2.615	0.451
DPrime_HappyCalm	97	1.173	3.932	3.140	0.598
DPrime_HappyDistractor	97	0.379	4.090	2.430	0.625
DPrime_HappyFear	97	0.719	3.932	2.811	0.584
DPrime_HappyTarget	97	1.868	4.497	3.161	0.546
DPrime_NonEmotionalDistractor	97	1.561	4.320	2.915	0.529
DPrime_NonEmotionalTarget	97	-0.814	3.466	2.148	0.600
zCorrectRejectionRate_CalmDistractor	97	0.017	1.986	0.906	0.453
zCorrectRejectionRate_CalmFear	97	-0.674	1.732	0.752	0.499

zCorrectRejectionRate_CalmHappy	97	-1.732	1.732	0.651	0.621
zCorrectRejectionRate_CalmTarget	97	-0.941	1.604	0.685	0.441
zCorrectRejectionRate_EmotionalDistractor	97	-0.342	1.526	0.684	0.372
zCorrectRejectionRate_EmotionalTarget	97	0.061	1.928	0.785	0.360
zCorrectRejectionRate_FearCalm	98	-1.383	1.732	0.791	0.576
zCorrectRejectionRate_FearDistractor	96	-0.158	2.037	0.741	0.402
zCorrectRejectionRate_FearHappy	97	-0.967	1.732	0.711	0.563
zCorrectRejectionRate_FearTarget	97	-0.175	1.889	0.741	0.412
zCorrectRejectionRate_HappyCalm	97	-0.431	1.732	1.028	0.553
zCorrectRejectionRate_HappyDistractor	97	-0.545	1.906	0.690	0.466
zCorrectRejectionRate_HappyFear	97	-0.674	1.732	0.744	0.520
zCorrectRejectionRate_HappyTarget	97	-0.017	2.037	0.901	0.497
zCorrectRejectionRate_NonEmotionalDistractor	97	0.017	1.986	0.906	0.453
zCorrectRejectionRate_NonEmotionalTarget	97	-0.941	1.604	0.685	0.441
zFalseAlarmRate_CalmDistractor	97	-1.986	-0.017	-0.906	0.453
zFalseAlarmRate_CalmFear	97	-1.732	0.674	-0.769	0.480
zFalseAlarmRate_CalmHappy	97	-1.732	1.732	-0.658	0.617
zFalseAlarmRate_CalmTarget	97	-1.604	0.941	-0.685	0.441
zFalseAlarmRate_EmotionalDistractor	97	-1.526	0.342	-0.684	0.372
zFalseAlarmRate_EmotionalTarget	97	-1.928	-0.061	-0.785	0.360
zFalseAlarmRate_FearCalm	98	-1.732	1.383	-0.817	0.553
zFalseAlarmRate_FearDistractor	96	-2.037	0.158	-0.741	0.402
zFalseAlarmRate_FearHappy	97	-1.732	0.967	-0.738	0.545
zFalseAlarmRate_FearTarget	97	-1.889	0.175	-0.741	0.412
zFalseAlarmRate_HappyCalm	97	-1.732	0.431	-1.052	0.520
zFalseAlarmRate_HappyDistractor	97	-1.906	0.545	-0.690	0.466
zFalseAlarmRate_HappyFear	97	-1.732	0.674	-0.758	0.508
zFalseAlarmRate_HappyTarget	97	-2.037	0.017	-0.901	0.497
zFalseAlarmRate_NonEmotionalDistractor	97	-1.986	-0.017	-0.906	0.453
zFalseAlarmRate_NonEmotionalTarget	97	-1.604	0.941	-0.685	0.441
zHitRate_CalmDistractor	97	1.150	2.460	2.009	0.361
zHitRate_CalmFear	94	-0.862	2.200	1.479	0.518
zHitRate_CalmHappy	93	-0.508	2.200	1.526	0.602
zHitRate_CalmTarget	97	-0.140	2.417	1.463	0.461
zHitRate_EmotionalDistractor	97	0.546	2.635	1.670	0.364
zHitRate_EmotionalTarget	97	1.364	2.602	1.990	0.284
zHitRate_FearCalm	97	0.674	2.200	1.765	0.449
zHitRate_FearDistractor	96	0.479	2.460	1.698	0.357
zHitRate_FearHappy	97	0.508	2.200	1.929	0.357
zHitRate_FearTarget	97	1.162	2.460	1.874	0.352
zHitRate_HappyCalm	96	0.967	2.200	2.112	0.229
zHitRate_HappyDistractor	97	0.468	2.460	1.740	0.440
zHitRate_HappyFear	95	0.508	2.200	2.067	0.256

zHitRate_HappyTarget	97	1.193	2.460	2.260	0.271
zHitRate_NonEmotionalDistractor	97	1.150	2.460	2.009	0.361
zHitRate_NonEmotionalTarget	97	-0.140	2.417	1.463	0.461
zMissRate_CalmDistractor	97	-2.460	-1.150	-2.009	0.361
zMissRate_CalmFear	94	-2.200	0.862	-1.479	0.518
zMissRate_CalmHappy	93	-2.200	0.508	-1.526	0.602
zMissRate_CalmTarget	97	-2.417	0.140	-1.463	0.461
zMissRate_EmotionalDistractor	97	-2.635	-0.546	-1.670	0.364
zMissRate_EmotionalTarget	97	-2.602	-1.364	-1.990	0.284
zMissRate_FearCalm	97	-2.200	-0.674	-1.765	0.449
zMissRate_FearDistractor	96	-2.460	-0.479	-1.698	0.357
zMissRate_FearHappy	97	-2.200	-0.508	-1.929	0.357
zMissRate_FearTarget	97	-2.460	-1.162	-1.874	0.352
zMissRate_HappyCalm	96	-2.200	-0.967	-2.112	0.229
zMissRate_HappyDistractor	97	-2.460	-0.468	-1.740	0.440
zMissRate_HappyFear	95	-2.200	-0.508	-2.067	0.256
zMissRate_HappyTarget	97	-2.460	-1.193	-2.260	0.271
zMissRate_NonEmotionalDistractor	97	-2.460	-1.150	-2.009	0.361
zMissRate_NonEmotionalTarget	97	-2.417	0.140	-1.463	0.461
zRT_AllRuns_Hits	98	-0.788	1.762	0.004	0.516
zRT_CalmDistractor_Hits	98	-0.797	1.782	-0.068	0.518
zRT_CalmTarget_Hits	97	-0.847	1.597	0.090	0.573
zRT_EmotionalDistractor_Hits	97	-0.824	1.752	0.046	0.526
zRT_EmotionalTarget_Hits	98	-0.835	1.924	-0.033	0.513
zRT_FearDistractor_Hits	96	-0.817	1.746	0.008	0.532
zRT_FearTarget_Hits	98	-0.684	1.942	0.057	0.516
zRT_HappyDistractor_Hits	97	-0.833	1.757	0.080	0.532
zRT_HappyTarget_Hits	97	-0.986	1.905	-0.124	0.527
zRT_Hits_Calm	98	-0.744	1.611	0.004	0.524
ZRT_Hits_CalmFear	94	-0.864	1.369	0.082	0.555
ZRT_Hits_CalmHappy	93	-1.013	1.898	0.061	0.604
zRT_Hits_Fear	98	-0.751	1.844	0.030	0.516
ZRT_Hits_FearCalm	97	-0.747	2.053	0.024	0.546
ZRT_Hits_FearHappy	97	-0.757	1.832	0.087	0.505
zRT_Hits_Happy	98	-0.849	1.876	-0.012	0.518
ZRT_Hits_HappyCalm	96	-0.996	1.512	-0.174	0.520
ZRT_Hits_HappyFear	95	-1.149	2.299	-0.068	0.561
zRT_Hits	98	-0.788	1.762	0.004	0.516
zRT_NonemotionalDistractor_Hits	98	-0.797	1.782	-0.068	0.518
zRT_NonemotionalTarget_Hits	97	-0.847	1.597	0.090	0.573

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Table 4

*Emotional Go-NoGo Performance Measures for fMRI Framing Participants who Completed the Behavioral Emotional Go-NoGo Task (n = 26)*

	N	Min.	Max.	M	SD
Criterion	26	-0.920	0.382	-0.324	0.297
Criterion_CalmDistractor	25	-0.906	0.298	-0.338	0.314
Criterion_CalmFear	24	-0.907	0.915	-0.230	0.402
Criterion_CalmHappy	25	-0.957	0.435	-0.365	0.331
Criterion_CalmTarget	25	-0.805	0.273	-0.277	0.271
Criterion_EmotionalDistractor	25	-0.902	0.077	-0.367	0.247
Criterion_EmotionalTarget	25	-1.100	0.410	-0.431	0.295
Criterion_FearCalm	25	-0.995	0.323	-0.296	0.349
Criterion_FearDistractor	24	-0.824	0.315	-0.330	0.297
Criterion_FearHappy	24	-1.316	0.069	-0.521	0.368
Criterion_FearTarget	25	-1.139	0.075	-0.411	0.283
Criterion_HappyCalm	25	-0.885	0.382	-0.378	0.285
Criterion_HappyDistractor	25	-1.051	0.205	-0.424	0.281
Criterion_HappyFear	25	-1.205	0.483	-0.517	0.350
Criterion_HappyTarget	25	-1.058	0.270	-0.514	0.328
Criterion_NonEmotionalDistractor	25	-0.906	0.298	-0.338	0.314
Criterion_NonEmotionalTarget	25	-0.805	0.273	-0.277	0.271
DPrime	26	1.444	3.517	2.571	0.425
DPrime_CalmDistractor	25	1.643	3.705	2.905	0.450
DPrime_CalmFear	24	0.106	3.646	2.278	0.788
DPrime_CalmHappy	25	-0.814	3.932	2.449	0.992
DPrime_CalmTarget	25	-0.814	3.466	2.255	0.832
DPrime_EmotionalDistractor	25	0.379	3.766	2.473	0.652
DPrime_EmotionalTarget	25	2.104	3.517	2.852	0.338
DPrime_FearCalm	25	0.655	3.583	2.468	0.634
DPrime_FearDistractor	24	1.516	3.540	2.555	0.552
DPrime_FearHappy	24	0.118	3.932	2.808	0.837
DPrime_FearTarget	25	1.602	3.295	2.644	0.454
DPrime_HappyCalm	25	2.057	3.932	3.300	0.471
DPrime_HappyDistractor	25	0.379	4.090	2.608	0.762
DPrime_HappyFear	25	1.990	3.932	2.939	0.436
DPrime_HappyTarget	25	2.526	4.497	3.332	0.479
DPrime_NonEmotionalDistractor	25	1.643	3.705	2.905	0.450
DPrime_NonEmotionalTarget	25	-0.814	3.466	2.255	0.832
zCorrectRejectionRate_CalmDistractor	25	0.492	1.928	1.115	0.413
zCorrectRejectionRate_CalmFear	24	-0.431	1.732	0.909	0.550
zCorrectRejectionRate_CalmHappy	25	-0.674	1.732	0.860	0.599

zCorrectRejectionRate_CalmTarget	25	-0.674	1.604	0.851	0.513
zCorrectRejectionRate_EmotionalDistractor	25	-0.210	1.505	0.869	0.456
zCorrectRejectionRate_EmotionalTarget	25	0.179	2.052	0.995	0.370
zCorrectRejectionRate_FearCalm	25	-0.431	1.732	0.938	0.544
zCorrectRejectionRate_FearDistractor	24	0.053	1.819	0.948	0.425
zCorrectRejectionRate_FearHappy	24	-0.967	1.732	0.883	0.731
zCorrectRejectionRate_FearTarget	25	0.074	1.578	0.911	0.405
zCorrectRejectionRate_HappyCalm	25	0.431	1.732	1.272	0.388
zCorrectRejectionRate_HappyDistractor	25	-0.210	1.697	0.880	0.532
zCorrectRejectionRate_HappyFear	25	-0.210	1.732	0.952	0.462
zCorrectRejectionRate_HappyTarget	25	0.301	2.037	1.152	0.462
zCorrectRejectionRate_NonEmotionalDistractor	25	0.492	1.928	1.115	0.413
zCorrectRejectionRate_NonEmotionalTarget	25	-0.674	1.604	0.851	0.513
zFalseAlarmRate_CalmDistractor	25	-1.928	-0.492	-1.115	0.413
zFalseAlarmRate_CalmFear	24	-1.732	0.431	-0.909	0.550
zFalseAlarmRate_CalmHappy	25	-1.732	0.674	-0.860	0.599
zFalseAlarmRate_CalmTarget	25	-1.604	0.674	-0.851	0.513
zFalseAlarmRate_EmotionalDistractor	25	-1.505	0.210	-0.869	0.456
zFalseAlarmRate_EmotionalTarget	25	-2.052	-0.179	-0.995	0.370
zFalseAlarmRate_FearCalm	25	-1.732	0.431	-0.938	0.544
zFalseAlarmRate_FearDistractor	24	-1.819	-0.053	-0.948	0.425
zFalseAlarmRate_FearHappy	24	-1.732	0.967	-0.914	0.707
zFalseAlarmRate_FearTarget	25	-1.578	-0.074	-0.911	0.405
zFalseAlarmRate_HappyCalm	25	-1.732	-0.431	-1.272	0.388
zFalseAlarmRate_HappyDistractor	25	-1.697	0.210	-0.880	0.532
zFalseAlarmRate_HappyFear	25	-1.732	0.210	-0.952	0.462
zFalseAlarmRate_HappyTarget	25	-2.037	-0.301	-1.152	0.462
zFalseAlarmRate_NonEmotionalDistractor	25	-1.928	-0.492	-1.115	0.413
zFalseAlarmRate_NonEmotionalTarget	25	-1.604	0.674	-0.851	0.513
zHitRate_CalmDistractor	25	1.150	2.460	1.790	0.358
zHitRate_CalmFear	22	-0.862	2.200	1.359	0.601
zHitRate_CalmHappy	25	-0.140	2.200	1.589	0.593
zHitRate_CalmTarget	25	-0.140	2.153	1.404	0.479
zHitRate_EmotionalDistractor	25	0.589	2.278	1.604	0.356
zHitRate_EmotionalTarget	25	1.232	2.435	1.857	0.307
zHitRate_FearCalm	25	0.967	2.200	1.530	0.384
zHitRate_FearDistractor	24	0.479	2.460	1.607	0.385
zHitRate_FearHappy	24	1.085	2.200	1.925	0.296
zHitRate_FearTarget	25	1.162	2.417	1.733	0.315
zHitRate_HappyCalm	24	0.967	2.200	2.025	0.358
zHitRate_HappyDistractor	25	0.589	2.417	1.728	0.407
zHitRate_HappyFear	24	0.765	2.200	1.983	0.363
zHitRate_HappyTarget	25	1.394	2.460	2.180	0.340

zHitRate_NonEmotionalDistractor	25	1.150	2.460	1.790	0.358
zHitRate_NonEmotionalTarget	25	-0.140	2.153	1.404	0.479
zMissRate_CalmDistractor	25	-2.460	-1.150	-1.790	0.358
zMissRate_CalmFear	22	-2.200	0.862	-1.359	0.601
zMissRate_CalmHappy	25	-2.200	0.140	-1.589	0.593
zMissRate_CalmTarget	25	-2.153	0.140	-1.404	0.479
zMissRate_EmotionalDistractor	25	-2.278	-0.589	-1.604	0.356
zMissRate_EmotionalTarget	25	-2.435	-1.232	-1.857	0.307
zMissRate_FearCalm	25	-2.200	-0.967	-1.530	0.384
zMissRate_FearDistractor	24	-2.460	-0.479	-1.607	0.385
zMissRate_FearHappy	24	-2.200	-1.085	-1.925	0.296
zMissRate_FearTarget	25	-2.417	-1.162	-1.733	0.315
zMissRate_HappyCalm	24	-2.200	-0.967	-2.025	0.358
zMissRate_HappyDistractor	25	-2.417	-0.589	-1.728	0.407
zMissRate_HappyFear	24	-2.200	-0.765	-1.983	0.363
zMissRate_HappyTarget	25	-2.460	-1.394	-2.180	0.340
zMissRate_NonEmotionalDistractor	25	-2.460	-1.150	-1.790	0.358
zMissRate_NonEmotionalTarget	25	-2.153	0.140	-1.404	0.479
zRT_AllRuns_Hits	26	-0.385	1.391	0.476	0.492
zRT_CalmDistractor_Hits	26	-0.481	1.422	0.416	0.511
zRT_CalmTarget_Hits	25	-0.239	1.597	0.621	0.531
zRT_EmotionalDistractor_Hits	25	-0.289	1.383	0.544	0.471
zRT_EmotionalTarget_Hits	26	-0.434	1.388	0.429	0.491
zRT_FearDistractor_Hits	24	-0.193	1.246	0.551	0.428
zRT_FearTarget_Hits	25	-0.348	1.528	0.504	0.529
zRT_HappyDistractor_Hits	25	-0.289	1.559	0.558	0.501
zRT_HappyTarget_Hits	25	-0.607	1.236	0.399	0.452
zRT_Hits_Calm	26	-0.401	1.510	0.493	0.509
ZRT_Hits_CalmFear	22	-0.205	1.369	0.664	0.489
ZRT_Hits_CalmHappy	25	-0.239	1.898	0.613	0.569
zRT_Hits_Fear	26	-0.348	1.380	0.486	0.495
ZRT_Hits_FearCalm	25	-0.356	1.678	0.511	0.570
ZRT_Hits_FearHappy	24	-0.339	1.528	0.530	0.486
zRT_Hits_Happy	26	-0.385	1.425	0.459	0.493
ZRT_Hits_HappyCalm	24	-0.607	1.351	0.364	0.472
ZRT_Hits_HappyFear	24	-0.192	1.357	0.475	0.433
zRT_Hits	26	-0.385	1.391	0.476	0.492
zRT_NonemotionalDistractor_Hits	26	-0.481	1.422	0.416	0.511
zRT_NonemotionalTarget_Hits	25	-0.239	1.597	0.621	0.531

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*Note.* This subsample of  $n = 26$  participants completed the framing task inside an fMRI scanner and the emotional Go-NoGo task outside the scanner.

Table 5

*Summary Statistics for Framing Variables in the Full Behavioral Sample (N = 99)*

	N	Min.	Max.	M	SD
Risky Choices	99	0.000	1.000	0.466	0.239
Signed Confidence	99	-4.500	5.517	-0.296	1.986
Risky Choices Lives	99	0.000	1.000	0.443	0.278
Signed Confidence Lives	99	-5.000	5.567	-0.483	2.177
Risky Choices Money	99	0.000	1.000	0.489	0.267
Signed Confidence Money	99	-4.575	5.467	-0.110	2.343
Risky Choices Gain	99	0.000	1.000	0.347	0.237
Signed Confidence Gain	99	-4.600	5.467	-1.279	2.073
Risky Choices Gist Gain	99	0.000	1.000	0.250	0.256
Signed Confidence Gist Gain	99	-4.900	5.000	-2.038	2.131
Risky Choices Mixed Gain	99	0.000	1.000	0.363	0.280
Signed Confidence Mixed Gain	99	-4.800	5.000	-1.128	2.286
Risky Choices Verbatim Gain	99	0.000	1.000	0.427	0.278
Signed Confidence Verbatim Gain	99	-6.400	6.400	-0.672	2.645
Risky Choices Gain lives	99	0.000	1.000	0.318	0.281
Signed Confidence Gain Lives	99	-5.000	5.000	-1.466	2.230
Risky Choices Gist Gain Lives	99	0.000	1.000	0.209	0.299
Signed Confidence Gist Gain Lives	99	-5.000	5.000	-2.320	2.344
Risky Choices Mixed Gain Lives	99	0.000	1.000	0.333	0.352
Signed Confidence Mixed Gain Lives	99	-5.000	5.000	-1.327	2.726
Risky Choices Verbatim Gain Lives	99	0.000	1.000	0.412	0.338
Signed Confidence Verbatim Gain Lives	99	-5.000	5.000	-0.751	2.627
Risky Choices Gain Money	99	0.000	1.000	0.376	0.282
Signed Confidence Gain Money	99	-5.933	5.933	-1.093	2.685
Risky Choices Gist Gain Money	99	0.000	1.000	0.290	0.305
Signed Confidence Gist Gain Money	99	-5.000	5.000	-1.756	2.603
Risky Choices Mixed Gain Money	99	0.000	1.000	0.394	0.324
Signed Confidence Mixed Gain Money	99	-5.000	5.000	-0.929	2.718
Risky Choices Verbatim Gain Money	99	0.000	1.000	0.443	0.338
Signed Confidence Verbatim Gain Money	99	-7.800	7.800	-0.594	3.826

Risky Choices Loss	99	0.000	1.000	0.585	0.284
Signed Confidence Loss	99	-5.000	5.567	0.687	2.276
Risky Choices Gist Loss	99	0.000	1.000	0.681	0.277
Signed Confidence Gist Loss	99	-5.000	5.000	1.424	2.194
Risky Choices Mixed Loss	99	0.000	1.000	0.570	0.320
Signed Confidence Mixed Loss	99	-5.000	6.700	0.578	2.587
Risky Choices Verbatim Loss	99	0.000	1.000	0.503	0.344
Signed Confidence Verbatim Loss	99	-5.000	5.000	0.059	2.635
Risky Choices Loss Lives	99	0.000	1.000	0.568	0.329
Signed Confidence Loss Lives	99	-5.000	6.417	0.500	2.537
Risky Choices Gist Loss Lives	99	0.000	1.000	0.656	0.333
Signed Confidence Gist Loss Lives	99	-5.000	5.000	1.156	2.459
Risky Choices Mixed Loss Lives	99	0.000	1.000	0.558	0.369
Signed Confidence Mixed Loss Lives	99	-6.200	9.250	0.464	3.005
Risky Choices Verbatim Loss Lives	97	0.000	1.000	0.491	0.424
Signed Confidence Verbatim Loss Lives	97	-5.000	5.000	-0.120	3.089
Risky Choices Loss Money	99	0.000	1.000	0.603	0.307
Signed Confidence Loss Money	99	-5.000	5.000	0.874	2.508
Risky Choices Gist Loss Money	99	0.000	1.000	0.706	0.296
Signed Confidence Gist Loss Money	99	-5.000	5.000	1.692	2.481
Risky Choices Mixed Loss Money	98	0.000	1.000	0.589	0.367
Signed Confidence Mixed Loss Money	98	-5.000	5.000	0.720	2.902
Risky Choices Verbatim Loss Money	99	0.000	1.000	0.510	0.363
Signed Confidence Verbatim Loss Money	99	-5.000	5.000	0.184	2.907
Framing Index	99	-0.242	0.925	0.231	0.221
Signed Confidence Framing Index	99	-1.133	7.631	1.966	1.782
Framing Index Gist	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist	99	-3.000	9.600	3.448	2.837
Framing Index Mixed	99	-0.625	0.875	0.209	0.268
Signed Confidence Framing Index Mixed	99	-4.500	7.442	1.727	2.070
Framing Index Verbatim	99	-0.800	0.900	0.069	0.308
Signed Confidence Framing Index Verbatim	99	-6.100	8.900	0.646	2.717
Framing Index Lives	99	-0.200	1.000	0.250	0.255
Signed Confidence Framing Index Lives	99	-1.933	9.867	1.966	1.967
Framing Index Gist Lives	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist Lives	99	-3.000	9.600	3.448	2.837

Framing Index Mixed Lives	99	-0.750	1.000	0.225	0.323
Signed Confidence Framing Index Mixed Lives	99	-5.250	9.600	1.790	2.540
Framing Index Verbatim Lives	97	-0.800	1.000	0.071	0.409
Signed Confidence Framing Index Verbatim Lives	97	-6.200	10.000	0.561	3.053
Framing Index Money	99	-0.317	0.917	0.227	0.249
Signed Confidence Framing Index Money	99	-2.617	7.983	1.967	2.245
Framing Index Gist Money	99	-0.267	1.000	0.416	0.331
Signed Confidence Framing Index Gist Money	99	-3.000	9.600	3.448	2.837
Framing Index Mixed Money	98	-0.750	0.800	0.201	0.328
Signed Confidence Mixed Money	98	-5.550	8.400	1.706	2.583
Framing Index Verbatim Money	99	-1.000	1.000	0.067	0.346
Signed Confidence Framing Index Verbatim Money	99	-7.800	9.000	0.778	3.562

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Table 6

*Summary Statistics for Framing Variables among fMRI Framing Participants who Completed the Behavioral Emotional Go-NoGo Task (n = 26)*

	<i>n</i>	Min.	Max.	<i>M</i>	<i>SD</i>
Risky Choices	26	0.017	0.817	0.454	0.202
Signed Confidence	26	-4.383	3.083	-0.423	1.716
Risky Choices Lives	26	0.000	0.933	0.416	0.271
Signed Confidence Lives	26	-4.600	3.300	-0.734	2.200
Risky Choices Money	26	0.033	0.800	0.492	0.223
Signed Confidence Money	26	-4.167	3.000	-0.113	1.946
Risky Choices Gain	26	0.033	0.700	0.325	0.186
Signed Confidence Gain	26	-4.300	1.633	-1.488	1.609
Risky Choices Gist Gain	26	0.000	0.700	0.205	0.211
Signed Confidence Gist Gain	26	-4.700	1.800	-2.509	1.754
Risky Choices Mixed Gain	26	0.000	0.800	0.341	0.248
Signed Confidence Mixed Gain	26	-4.800	2.600	-1.278	2.118
Risky Choices Verbatim Gain	26	0.100	0.800	0.430	0.235
Signed Confidence Verbatim Gain	26	-3.800	2.500	-0.677	1.955
Risky Choices Gain lives	26	0.000	0.933	0.284	0.284
Signed Confidence Gain Lives	26	-5.000	3.333	-1.759	2.376
Risky Choices Gist Gain Lives	26	0.000	0.800	0.185	0.288
Signed Confidence Gist Gain Lives	26	-5.000	2.600	-2.654	2.425
Risky Choices Mixed Gain Lives	26	0.000	1.000	0.294	0.345
Signed Confidence Mixed Gain Lives	26	-5.000	4.400	-1.546	2.793
Risky Choices Verbatim Gain Lives	26	0.000	1.000	0.375	0.319
Signed Confidence Verbatim Gain Lives	26	-5.000	4.400	-1.077	2.524
Risky Choices Gain Money	26	0.000	0.733	0.366	0.213
Signed Confidence Gain Money	26	-4.800	1.933	-1.217	1.927
Risky Choices Gist Gain Money	26	0.000	0.600	0.225	0.214
Signed Confidence Gist Gain Money	26	-5.000	1.200	-2.363	1.846
Risky Choices Mixed Gain Money	26	0.000	1.000	0.388	0.291
Signed Confidence Mixed Gain Money	26	-5.000	3.800	-1.010	2.580
Risky Choices Verbatim Gain Money	26	0.000	1.000	0.485	0.326
Signed Confidence Verbatim Gain Money	26	-5.000	4.200	-0.277	2.831
Risky Choices Loss	26	0.000	1.000	0.583	0.263
Signed Confidence Loss	26	-4.467	4.933	0.641	2.190

Risky Choices Gist Loss	26	0.000	1.000	0.712	0.275
Signed Confidence Gist Loss	26	-4.300	5.000	1.692	2.254
Risky Choices Mixed Loss	26	0.000	1.000	0.554	0.300
Signed Confidence Mixed Loss	26	-4.700	4.800	0.413	2.449
Risky Choices Verbatim Loss	26	0.000	1.000	0.481	0.327
Signed Confidence Verbatim Loss	26	-4.400	5.000	-0.182	2.576
Risky Choices Loss Lives	26	0.000	1.000	0.548	0.325
Signed Confidence Loss Lives	26	-4.467	4.867	0.290	2.565
Risky Choices Gist Loss Lives	26	0.000	1.000	0.664	0.342
Signed Confidence Gist Loss Lives	26	-4.400	5.000	1.215	2.732
Risky Choices Mixed Loss Lives	26	0.000	1.000	0.506	0.371
Signed Confidence Mixed Loss Lives	26	-4.600	4.600	0.015	2.719
Risky Choices Verbatim Loss Lives	26	0.000	1.000	0.474	0.399
Signed Confidence Verbatim Loss Lives	26	-4.800	5.000	-0.359	2.980
Risky Choices Loss Money	26	0.000	1.000	0.617	0.286
Signed Confidence Loss Money	26	-4.467	5.000	0.991	2.418
Risky Choices Gist Loss Money	26	0.000	1.000	0.760	0.288
Signed Confidence Gist Loss Money	26	-4.200	5.000	2.169	2.408
Risky Choices Mixed Loss Money	26	0.000	1.000	0.603	0.350
Signed Confidence Mixed Loss Money	26	-4.800	5.000	0.810	2.897
Risky Choices Verbatim Loss Money	26	0.000	1.000	0.489	0.358
Signed Confidence Verbatim Loss Money	26	-4.400	5.000	-0.006	2.924
Framing Index	26	-0.208	0.633	0.267	0.205
Signed Confidence Framing Index	26	-1.133	6.933	2.129	1.729
Framing Index Gist	26	0.000	1.000	0.535	0.307
Signed Confidence Framing Index Gist	26	-0.400	9.400	4.533	2.632
Framing Index Mixed	26	-0.625	0.675	0.213	0.264
Signed Confidence Framing Index Mixed	26	-4.500	5.800	1.690	2.022
Framing Index Verbatim	26	-0.800	0.700	0.052	0.356
Signed Confidence Framing Index Verbatim	26	-6.100	7.000	0.495	2.814
Framing Index Lives	26	-0.200	1.000	0.263	0.282
Signed Confidence Framing Index Lives	26	-0.867	9.867	2.049	2.256
Framing Index Gist Lives	26	0.000	1.000	0.535	0.307
Signed Confidence Framing Index Gist Lives	26	-0.400	9.400	4.533	2.632
Framing Index Mixed Lives	26	-0.750	1.000	0.212	0.350
Signed Confidence Framing Index Mixed Lives	26	-5.250	9.600	1.561	2.639
Framing Index Verbatim Lives	26	-0.600	1.000	0.099	0.419

Signed Confidence Framing Index Verbatim Lives	26	-4.400	10.000	0.718	3.187
Framing Index Money	26	-0.233	0.717	0.251	0.235
Signed Confidence Framing Index Money	26	-1.650	5.850	2.208	1.993
Framing Index Gist Money	26	0.000	1.000	0.535	0.307
Signed Confidence Framing Index Gist Money	26	-0.400	9.400	4.533	2.632
Framing Index Mixed Money	26	-0.500	0.800	0.215	0.324
Signed Confidence Mixed Money	26	-3.750	5.800	1.820	2.608
Framing Index Verbatim Money	26	-1.000	0.800	0.004	0.390
Signed Confidence Framing Index Verbatim Money	26	-7.800	6.600	0.271	3.130

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*Note.* This subsample of  $n = 26$  participants completed the framing task inside an fMRI scanner and the emotional Go-NoGo task outside the scanner.

Table 7

Whole-Brain Activations that Covary with False Alarm Rate to Emotional Distractors

Contrast	Lobe	H	Label	BA	Voxels	Peak coordinate			Peak <i>t</i>	<i>p</i>
						X	Y	Z		
<b>Framing &gt; No Framing</b>										
	<b>Cluster 1</b>				<b>587</b>	<b>-18</b>	<b>-64</b>	<b>-18</b>	<b>5.21</b>	<b>&lt;.001*</b>
	L		Cerebellum (Area 6)		185					
	R		Lingual gyrus	18/19	176					
	R		Cerebellum (Area 6)		96					
	L		Lingual gyrus	18/19	56					
	R		Fusiform gyrus	37	35					
			Vermis (Area 6)		11					
	L		Cerebellum (Areas 4, 5)		6					
	<b>Cluster 2</b>				<b>207</b>	<b>-14</b>	<b>-48</b>	<b>44</b>	<b>4.92</b>	<b>&lt;.001*</b>
	L		Precuneus	5/7	68					
	R		Precuneus	5/7	58					
	L		Middle cingulum	31	52					
	R		Paracentral lobule	4	19					
	<b>Cluster 3</b>				<b>97</b>	<b>64</b>	<b>-22</b>	<b>10</b>	<b>4.57</b>	<b>&lt;.001</b>
	R		Superior temporal gyrus	42/43	42					
	R		Rolandic operculum	43	38					
	R		Supramarginal gyrus	40	15					

<b>Cluster 4</b>	R	Cuneus	18/19	111	12	-88	16	4.56	<.001
	R	Calcarine sulcus	17	41					
	R	Superior occipital gyrus	18/19	10					
<b>Cluster 5</b>	R	Caudate		9	18	-4	26	4.20	<.001
				4					
<b>Cluster 6</b>	L	Cerebellum (Areas 4, 5)		6	-18	-42	-26	4.18	<.001
				5					
<b>Cluster 7</b>	L	Superior temporal gyrus	41/42	67	-52	-26	12	4.18	<.001
	L	Supramarginal gyrus	40	6					
<b>Cluster 8</b>	L	Caudate		12	-12	12	20	4.16	<.001
				11					
<b>Cluster 9</b>	R	Supramarginal gyrus	40	7	60	-26	40	4.16	<.001
				7					
<b>Cluster 10</b>	L	Caudate		18	40	-8	-12	4.07	<.001
				16					
<b>Cluster 11</b>	R	Insula		17	-16	2	24	4.06	<.001
				1					



**No Framing > Framing**

<b>Cluster 1</b>										
L	Middle occipital gyrus	18/19	<b>289</b>	<b>-14</b>	<b>-96</b>	<b>-6</b>	<b>4.70</b>	<b>&lt;.001*</b>		
L	Inferior occipital gyrus	18/19	114							
L	Calcarine sulcus	17	101							
L	Lingual gyrus	17	55							
L	Lingual gyrus	17	17							
<b>Cluster 2</b>										
R	Lingual gyrus	18	<b>64</b>	<b>24</b>	<b>-88</b>	<b>-12</b>	<b>4.65</b>	<b>&lt;.001</b>		
R	Fusiform gyrus	18	48							
R	Inferior occipital gyrus	18	9							
R	Inferior occipital gyrus	18	7							
<b>Cluster 3</b>										
R	Insula	13	<b>19</b>	<b>34</b>	<b>22</b>	<b>0</b>	<b>4.47</b>	<b>&lt;.001</b>		
R	Insula	13	18							
<b>Cluster 4</b>										
L	Inferior temporal lobe	20/21	<b>17</b>	<b>-48</b>	<b>-52</b>	<b>-6</b>	<b>4.24</b>	<b>&lt;.001</b>		
L	Middle temporal lobe	20/21	9							
L	Middle temporal lobe	20/21	7							
<b>Cluster 5</b>										
R	Middle occipital gyrus	18/19	<b>30</b>	<b>28</b>	<b>-94</b>	<b>2</b>	<b>3.82</b>	<b>&lt;.001</b>		
R	Calcarine sulcus	18/19	19							
R	Calcarine sulcus	18/19	6							
R	Inferior occipital gyrus	18/19	5							
<b>Gain sure &gt; Gain risk</b>										
<b>Cluster 1</b>										
L	Cerebellum (Area 6)		<b>465</b>	<b>-18</b>	<b>-58</b>	<b>-18</b>	<b>7.19</b>	<b>&lt;.001*</b>		
L	Cerebellum (Area 6)		312							

	L	Cerebellum (Areas 4, 5)		81					
	L	Lingual gyrus	19/37	37					
	L	Fusiform gyrus	37	35					
<b>Cluster 2</b>									
	R	Rolandic operculum	43	<b>597</b>	<b>48</b>	<b>-22</b>	<b>20</b>	<b>6.20</b>	<b>&lt;.001*</b>
	R	Supramarginal gyrus	40	171					
	R	Superior temporal lobe	22/41/42	72					
	R	Insula	13	55					
<b>Cluster 3</b>									
	L	Superior temporal gyrus	41/42	<b>198</b>	<b>-52</b>	<b>-28</b>	<b>14</b>	<b>6.10</b>	<b>&lt;.001</b>
	L	Rolandic operculum	13	24					
	L	Supramarginal gyrus	40	17					
<b>Cluster 4</b>									
	L	Precuneus	5/7	<b>518</b>	<b>-14</b>	<b>-44</b>	<b>44</b>	<b>6.06</b>	<b>&lt;.001*</b>
	L	Postcentral gyrus	3	85					
	L	Middle cingulum	31	55					
	L	Superior parietal lobule	5/7/40	39					
	R	Precuneus	5/7	16					
<b>Cluster 5</b>									
	R	Cuneus	18/19	<b>283</b>	<b>12</b>	<b>-92</b>	<b>20</b>	<b>6.06</b>	<b>&lt;.001*</b>
	R	Calcarine sulcus	17	82					
	R	Superior occipital gyrus	18/19	40					
	L	Cuneus	18/19	11					
<b>Cluster 6</b>									
				<b>211</b>	<b>0</b>	<b>-46</b>	<b>8</b>	<b>4.08</b>	<b>&lt;.001</b>

	R	Precuneus	5/7	46					
		Vermis (Areas 4, 5)		28					
	R	Lingual gyrus	18/19	22					
	R	Posterior cingulum	23/30	11					
	L	Precuneus	5/7	10					
	L	Posterior cingulum	23/30	7					
<b>Cluster 7</b>									
	R	Postcentral gyrus	2/3	133	30	-44	60	4.03	<.001
	R	Superior parietal lobule	5/7	88					
	R	Inferior parietal lobule	40	30					
	R	Precuneus	5/7	9					
				6					
<b>Cluster 8</b>									
	L	Amygdala		69	-30	4	-20	4.78	<.001
	L	Superior temporal pole	34/38	10					
<b>Cluster 9</b>									
	R	Amygdala		69	38	-8	-10	4.60	<.001
				15					
<b>Cluster 10</b>									
	R	Cerebellum (Area 6)		234	30	-56	-30	4.28	<.001*
				159					
	R	Lingual gyrus	18/19	50					
		Vermis (Area 6)		13					
	R	Cerebellum (Areas 4, 5)	18/19	9					
<b>Cluster 11</b>									
				34	50	-60	6	4.19	<.001

	R	Middle temporal gyrus	39	34					
<b>Cluster 12</b>				<b>38</b>	<b>-22</b>	<b>-22</b>	<b>-16</b>	<b>4.10</b>	<b>&lt;.001</b>
	L	Hippocampus	28/35/36	15					
	L	Parahippocampal gyrus	28/35/36	9					
<b>Cluster 13</b>				<b>59</b>	<b>-42</b>	<b>-68</b>	<b>8</b>	<b>4.05</b>	<b>&lt;.001</b>
	L	Middle temporal gyrus	37	34					
	L	Middle occipital gyrus	19	24					
<b>Cluster 14</b>				<b>10</b>	<b>-14</b>	<b>-18</b>	<b>22</b>	<b>3.94</b>	<b>&lt;.001</b>
	L	Caudate		4					
<b>Cluster 15</b>				<b>10</b>	<b>-62</b>	<b>-28</b>	<b>30</b>	<b>3.93</b>	<b>&lt;.001</b>
	L	Supramarginal gyrus	40	10					
<b>Cluster 16</b>				<b>16</b>	<b>-14</b>	<b>14</b>	<b>18</b>	<b>3.91</b>	<b>&lt;.001</b>
	L	Caudate		15					
<b>Gain Risk &gt; Gain Sure</b>									
<b>Cluster 1</b>				<b>40</b>	<b>-8</b>	<b>-96</b>	<b>-8</b>	<b>4.90</b>	<b>&lt;.001</b>
	L	Calcarine sulcus	17	35					
	L	Inferior occipital gyrus	17	5					

<b>Cluster 2</b>										
R	Lingual gyrus	18	53	24	-84	-6	4.44	<.001		
R	Fusiform gyrus	18	42							
		18	11							
<b>Cluster 3</b>										
L	Inferior temporal gyrus	20/21	30	-50	-52	-6	4.31	<.001		
L	Middle temporal gyrus	20/21	18							
		20/21	12							
<b>Loss Risk &gt; Loss Sure</b>										
<i>No clusters with 5 or more voxels were significant at <math>p &lt; .001</math> uncorrected.</i>										
<b>Loss Sure &gt; Loss Risk</b>										
<b>Cluster 1</b>										
R	Middle cingulum	24/32	40	10	6	44	4.86	<.001		
R	Supplemental motor area	24	26							
		24	11							
<b>Cluster 2</b>										
L	Middle temporal gyrus	22	10	-52	-14	-8	4.02	<.001		
L	Superior temporal gyrus	22	8							
		22	2							
<b>Cluster 3</b>										
R	Middle occipital gyrus	19	24	40	-80	10	3.35	<.001		
		19	24							

*Note.* Results are for N=25 adults. \*Survives familywise error correction ( $p < .05$ ) at cluster level. Reported p-values are uncorrected. “Voxels” indicates number of voxels active at  $p < .001$ ,  $k=5$ . H, hemisphere; L, left; R, right. Inferior frontal gyrus sub-divisions: oper, opercular; orb, orbital; tri, triangular. LPFC, lateral prefrontal cortex; DLPFC, dorsolateral prefrontal cortex; DMPFC, dorsomedial prefrontal cortex; VLPFC, ventrolateral prefrontal cortex; VMPPFC, ventromedial prefrontal cortex; RLPFC, rostralateral prefrontal cortex. PPC, posterior parietal cortex; IPS, intraparietal sulcus; TPJ, temporo-parietal junction.

Table 8

Whole-Brain Activations that Covary with False Alarm Rate to Happy Distractors

Contrast	Lobe	H	Label	BA	Voxels	Peak coordinate			Peak <i>t</i>	<i>p</i>
						X	Y	Z		
<b>Framing &gt; No Framing</b>										
<b>Cluster 1</b>										
	L		Cerebellum (Area 6)		<b>558</b>	<b>-18</b>	<b>-64</b>	<b>-18</b>	<b>5.10</b>	<b>&lt;.001*</b>
	R		Lingual gyrus	18/19	177					
	R		Cerebellum (Area 6)		168					
	L		Lingual gyrus	18/19	84					
	R		Fusiform gyrus	18/19	57					
			Vermis (Area 6)		33					
	L		Cerebellum (Areas 4, 5)		9					
					8					
<b>Cluster 2</b>										
	L		Precuneus	5/7	<b>212</b>	<b>-14</b>	<b>-48</b>	<b>44</b>	<b>4.85</b>	<b>&lt;.001*</b>
	R		Precuneus	5/7	68					
	L		Middle cingulum	31	59					
	R		Paracentral lobule	4	55					
					19					
<b>Cluster 3</b>										
	R		Superior temporal gyrus	42	<b>75</b>	<b>64</b>	<b>-22</b>	<b>10</b>	<b>4.55</b>	<b>&lt;.001</b>
	R		Rolandic operculum	43	36					
	R		Supramarginal gyrus	40	31					
					6					



*Voxels not found in atlas*

<b>Cluster 13</b>	L	Caudate	15	-16	-4	24	3.93	<.001
			15					
<b>Cluster 14</b>	R	Cerebellum (Area 6)	5	-24	-60	-30	3.90	<.001
			4					
<b>Cluster 15</b>	R	Supramarginal gyrus	17	56	-36	28	3.86	<.001
			17					
<b>Cluster 16</b>	L	Caudate	8	-14	-16	22	3.77	.991
			2					
<b>Cluster 17</b>	R	Postcentral gyrus	21	36	-38	56	3.75	.001
			15					
	R	Inferior parietal lobule	40					
			6					

**No Framing > Framing**

<b>Cluster 1</b>	L	Middle occipital gyrus	293	-14	-96	-6	4.70	<.001*
			116					
	L	Inferior occipital gyrus	18/19					
			101					
	L	Calcarine sulcus	17					
			57					
	L	Lingual gyrus	18					
			17					
<b>Cluster 2</b>	R	Lingual gyrus	63	24	-88	-12	4.66	<.001
			47					

	R	Fusiform gyrus	18	9					
	R	Inferior occipital gyrus	18	7					
<b>Cluster 3</b>					<b>17</b>	<b>-48</b>	<b>-52</b>	<b>-6</b>	<b>4.35</b>
	L	Inferior temporal gyrus	20/21	9					<b>&lt;.001</b>
	L	Middle temporal gyrus	20/21	7					
<b>Cluster 4</b>					<b>16</b>	<b>34</b>	<b>22</b>	<b>0</b>	<b>4.30</b>
	R	Insula	13	16					<b>&lt;.001</b>
<b>Cluster 5</b>					<b>30</b>	<b>28</b>	<b>-94</b>	<b>2</b>	
	R	Middle occipital gyrus	18/19	19					
	R	Calcarine sulcus	18/19	6					
	R	Inferior occipital gyrus	18/19	5					
<b>Gain Sure &gt; Gain Risk</b>									
<b>Cluster 1</b>					<b>481</b>	<b>-18</b>	<b>-58</b>	<b>-18</b>	<b>7.48</b>
	L	Cerebellum (Area 6)		309					<b>&lt;.001*</b>
	L	Cerebellum (Areas 4, 5)		94					
	L	Fusiform gyrus	19/37	40					
	L	Lingual gyrus	19/37	38					
<b>Cluster 2</b>					<b>514</b>	<b>-14</b>	<b>-44</b>	<b>44</b>	<b>6.36</b>
	L	Precuneus	5/7	267					<b>&lt;.001*</b>
	L	Postcentral gyrus	2/3/4	86					
	L	Middle cingulate	31	56					
	L	Superior parietal lobule	40	38					

	R	Precuneus	5/7	12					
<b>Cluster 3</b>	L	Superior temporal gyrus	41/42	<b>202</b>	<b>-52</b>	<b>-28</b>	<b>14</b>	<b>6.13</b>	<b>&lt;.001</b>
	L	Rolandic operculum	13	24					
	L	Supramarginal gyrus	40	16					
<b>Cluster 4</b>	R	Rolandic operculum	43	<b>583</b>	<b>48</b>	<b>-22</b>	<b>20</b>	<b>6.12</b>	<b>&lt;.001*</b>
	R	Supramarginal gyrus	40	174					
	R	Superior temporal gyrus	64	64					
	R	Insula	13	55					
<b>Cluster 5</b>	R	Cuneus	17	<b>283</b>	<b>12</b>	<b>-92</b>	<b>20</b>	<b>6.11</b>	<b>&lt;.001*</b>
	R	Calcarine sulcus	17	82					
	R	Superior occipital gyrus	18/19	39					
	L	Cuneus	18/19	11					
<b>Cluster 6</b>	R	Precuneus	5/7	<b>209</b>	<b>0</b>	<b>-46</b>	<b>8</b>	<b>4.98</b>	<b>&lt;.001</b>
	R	Vermis (Areas 4, 5)		46					
	R	Lingual gyrus	19	19					
	L	Precuneus	5/7	12					
	R	Posterior cingulum	23/31	11					
	L	Posterior cingulum	23/31	6					
<b>Cluster 7</b>	L	Amygdala		<b>75</b>	<b>-30</b>	<b>4</b>	<b>-20</b>	<b>4.85</b>	<b>&lt;.001</b>
	L			13					

	L	Superior temporal pole	34/38	9					
<b>Cluster 8</b>					<b>131</b>	<b>30</b>	<b>-44</b>	<b>60</b>	<b>4.82</b>
	R	Postcentral gyrus	2/3	85					<b>&lt;.001</b>
	R	Superior parietal lobule	5/7	31					
	R	Inferior parietal lobule	40	8					
	R	Precuneus	5/7	6					
<b>Cluster 9</b>					<b>70</b>	<b>38</b>	<b>-8</b>	<b>-10</b>	<b>4.60</b>
	R	Amygdala		17					<b>&lt;.001</b>
<b>Cluster 10</b>					<b>204</b>	<b>30</b>	<b>-56</b>	<b>-30</b>	<b>4.42</b>
	R	Cerebellum (Area 6)		155					<b>&lt;.001</b>
	R	Lingual gyrus	18/19	39					
	R	Cerebellum (Areas 4, 5)		5					
<b>Cluster 11</b>					<b>73</b>	<b>-46</b>	<b>-70</b>	<b>8</b>	<b>4.30</b>
	L	Middle temporal gyrus	37/39	42					<b>&lt;.001</b>
	L	Middle occipital gyrus	19	30					
<b>Cluster 12</b>					<b>35</b>	<b>50</b>	<b>-60</b>	<b>6</b>	<b>4.24</b>
	R	Middle temporal gyrus	39	35					<b>&lt;.001</b>
<b>Cluster 13</b>					<b>26</b>	<b>-22</b>	<b>-22</b>	<b>-16</b>	<b>4.03</b>
	L	Hippocampus	35/36	10					<b>&lt;.991</b>
	L	Parahippocampal gyrus	35/36	6					
<b>Cluster 14</b>					<b>10</b>	<b>-14</b>	<b>-18</b>	<b>22</b>	<b>3.94</b>
	L	Caudate		4					<b>&lt;.001</b>



<b>Cluster 1</b>									
R	Middle cingulum	24/32	40	10	6	44	4.89	<.001	
R	Supplemental motor area	24/32	26						
			11						
<b>Cluster 2</b>									
L	Middle temporal gyrus	22	10	-52	-12	-8	3.95	<.001	
L	Superior temporal gyrus	22	8						
			2						
<b>Cluster 3</b>									
R	Middle occipital gyrus	19	26	40	-80	10	3.89	<.001	
			26						

*Note.* Results are for N=25 adults. \*Survives familywise error correction ( $p < .05$ ) at cluster level. Reported p-values are uncorrected. "Voxels" indicates number of voxels active at  $p < .001$ ,  $k=5$ . H, hemisphere; L, left; R, right. Inferior frontal gyrus sub-divisions: oper, opercular; orb, orbital; tri, triangular. LPFC, lateral prefrontal cortex; DLPFC, dorsolateral prefrontal cortex; DMPPFC, dorsomedial prefrontal cortex; VLPFC, ventrolateral prefrontal cortex; VMPPFC, ventromedial prefrontal cortex; RLPFC, rostralateral prefrontal cortex. PPC, posterior parietal cortex; IPS, intraparietal sulcus; TPJ, temporo-parietal junction.

Table 9

Whole-Brain Activations that Covary with False Alarm Rate to Fearful Distractors

Contrast	Lobe	H	Label	BA	Voxels	Peak coordinate			Peak t	p
						X	Y	Z		
<b>Framing &gt; No Framing</b>										
<b>Cluster 1</b>										
	L		Cerebellum (Area 6)		456	8	-74	-8	4.91	<.001*
	R		Lingual gyrus	18/19	141					
	R		Cerebellum (Area 6)		138					
	L		Lingual gyrus	18/19	71					
	R		Fusiform gyrus	18/19	48					
			Vermis (Area 6)		31					
					11					
<b>Cluster 2</b>										
	R		Cuneus	18/19	103	10	-88	16	4.68	<.001
	R		Calcarine sulcus	17	57					
	R		Superior occipital gyrus	18/19	36					
	R				7					
<b>Cluster 3</b>										
	L		Middle cingulum	31	64	-14	-48	44	4.55	<.001
	L		Precuneus	5/7	31					
					28					
<b>Cluster 4</b>										
	R		Caudate		28	18	-4	26	4.40	<.001
					21					

<b>Cluster 5</b>	R	Hippocampus	28/35	5	<b>29</b>	<b>40</b>	<b>-12</b>	<b>-12</b>	<b>4.34</b>	<b>&lt;.001</b>
	R	Insula	13	12						
<b>Cluster 6</b>		<i>Not found in atlas</i>								
<b>Cluster 7</b>	L	Caudate		12	<b>12</b>	<b>-12</b>	<b>14</b>	<b>18</b>	<b>4.25</b>	<b>&lt;.001</b>
				11						
<b>Cluster 8</b>	L	Caudate		<b>69</b>	<b>-18</b>	<b>-2</b>	<b>24</b>	<b>4.23</b>	<b>&lt;.001</b>	
	L	Thalamus		38						
				11						
<b>Cluster 9</b>		Superior temporal gyrus	42	<b>31</b>	<b>64</b>	<b>-22</b>	<b>10</b>	<b>4.18</b>	<b>&lt;.001</b>	
	R	Supramarginal gyrus	40	25						
	R	Rolandic operculum		4						
				25						
<b>Cluster 10</b>	R	Rolandic operculum	42/43	<b>6</b>	<b>56</b>	<b>-12</b>	<b>10</b>	<b>3.74</b>	<b>.001</b>	
				6						
<b>Cluster 11</b>	R	Precuneus	5	<b>13</b>	<b>6</b>	<b>-46</b>	<b>62</b>	<b>3.67</b>	<b>.001</b>	
	R	Paracentral lobule		8						
				5						
<b>Cluster 12</b>	L	Superior temporal	41	<b>5</b>	<b>-52</b>	<b>-26</b>	<b>12</b>	<b>3.16</b>	<b>.001</b>	
				5						

gyrus

**No Framing > Framing**

<b>Cluster 1</b>		R	Insula	13	23	34	22	0	4.74	<.001
<b>Cluster 2</b>		R	Lingual gyrus	18	70	24	-88	-12	4.68	<.001
		R	Fusiform gyrus	18	13					
		R	Inferior occipital gyrus	18	7					
<b>Cluster 3</b>		L	Middle occipital gyrus	18/19	280	-14	-96	-6	4.63	<.001*
		L	Inferior occipital gyrus	18/19	104					
		L	Calcarine sulcus	17	48					
		L	Lingual gyrus	18/19	115					
<b>Cluster 4</b>			Inferior temporal gyrus	37	25	-48	-52	-6	4.48	<.001
		L	Middle temporal gyrus	37	15					
<b>Cluster 5</b>		R	Middle occipital gyrus	18/19	24	28	-94	2	3.75	.001
		R	Calcarine sulcus	17	4					
		R	Inferior occipital gyrus	18/19	4					

## Gain Sure &gt; Gain Risk

Cluster	Region	Coordinates	Volume	Mean	SD	z	p-value
<b>Cluster 1</b>	L	Cerebellum (Area 6)	<b>368</b>	<b>-18</b>	<b>-62</b>	<b>-16</b>	<b>6.48</b>
	L	Lingual gyrus	240	19/37	58		<.001*
	L	Cerebellum (Areas 4, 5)	43	19/37	27		
<b>Cluster 2</b>	R	Rolandic operculum	<b>328</b>	<b>48</b>	<b>-22</b>	<b>20</b>	<b>6.14</b>
	R	Supramarginal gyrus	167	13/43	40		<.001*
	R	Superior temporal gyrus	116	41/42	33		
	R	Superior temporal gyrus	33	41/42	33		
<b>Cluster 3</b>	R	Cuneus	<b>247</b>	<b>12</b>	<b>-92</b>	<b>20</b>	<b>5.84</b>
	R	Calcarine sulcus	136	18/19	70		<.001*
	R	Superior occipital gyrus	32	18/19	9		
<b>Cluster 4</b>	L	Superior temporal gyrus	<b>144</b>	<b>-52</b>	<b>-28</b>	<b>14</b>	<b>5.53</b>
	L	Supramarginal gyrus	115	41/42	15		<.001
	L	Rolandic operculum	144	43	144		
<b>Cluster 5</b>	L	Precuneus	<b>199</b>	<b>-14</b>	<b>-46</b>	<b>44</b>	<b>5.21</b>
L	Precuneus	128	5/7	128		<.001	



	L	Hippocampus	34	1					
<b>Cluster 10</b>									
	L	Hippocampus	28/35	13	<b>30</b>	<b>-22</b>	<b>-22</b>	<b>-16</b>	<b>4.09</b>
	L	Parahippocampal gyrus	28/35	5					<b>&lt;.001</b>
<b>Cluster 11</b>									
	L	Postcentral gyrus	3	35	<b>36</b>	<b>-26</b>	<b>-38</b>	<b>52</b>	<b>4.02</b>
	L	Superior parietal lobule	5/40	1					<b>&lt;.001</b>
<b>Cluster 12</b>									
	L	Caudate		7	<b>7</b>	<b>-14</b>	<b>-18</b>	<b>22</b>	<b>4.02</b>
				2					<b>&lt;.001</b>
<b>Cluster 13</b>									
	R	Insula	13	11	<b>21</b>	<b>46</b>	<b>2</b>	<b>6</b>	<b>3.97</b>
	R	Rolandic operculum	13/44	10					<b>&lt;.001</b>
<b>Cluster 14</b>									
	L	Middle temporal gyrus	37/39	18	<b>30</b>	<b>-42</b>	<b>-68</b>	<b>8</b>	<b>3.88</b>
	L	Middle occipital gyrus	19	11					<b>&lt;.001</b>
<b>Cluster 15</b>									
	R	Middle temporal gyrus	39	9	<b>9</b>	<b>50</b>	<b>-60</b>	<b>6</b>	<b>3.86</b>
				9					<b>&lt;.001</b>
<b>Cluster 16</b>									
	R	Cerebellum (Area 6)		8	<b>8</b>	<b>28</b>	<b>-58</b>	<b>-30</b>	<b>3.84</b>
				8					<b>&lt;.001</b>

<b>Cluster 17</b>	L	Caudate	<b>10</b>	<b>-12</b>	<b>14</b>	<b>18</b>	<b>3.75</b>	<b>.001</b>
			9					
<b>Cluster 18</b>	R	Cerebellum (Area 6)	<b>34</b>	<b>22</b>	<b>-64</b>	<b>-22</b>	<b>3.72</b>	<b>.001</b>
	R	Lingual gyrus	26					
			18/19					
<b>Cluster 20</b>	R	Insula	<b>8</b>	<b>34</b>	<b>-4</b>	<b>8</b>	<b>3.71</b>	<b>.001</b>
			13					
<b>Cluster 21</b>	R	Superior temporal gyrus	<b>5</b>	<b>64</b>	<b>-18</b>	<b>4</b>	<b>3.63</b>	<b>.001</b>
			22					
			5					
<b>Loss Risk &gt; Loss Sure</b>								
<b>Cluster 1</b>	R	Caudate	<b>10</b>	<b>20</b>	<b>-4</b>	<b>24</b>	<b>4.47</b>	<b>&lt;.001</b>
			10					
<b>Cluster 2</b>	L	Superior frontal gyrus	<b>15</b>	<b>-20</b>	<b>54</b>	<b>26</b>	<b>4.45</b>	<b>&lt;.001</b>
	L	Middle frontal gyrus (DLPFC)	9					
			10					
			6					
<b>Loss Sure &gt; Loss Risk</b>								
<b>Cluster 1</b>			<b>28</b>	<b>10</b>		<b>44</b>	<b>4.70</b>	<b>&lt;.001</b>

R	Middle cingulum	24/32	16				
R	Supplemental motor area	24/32	10				
<b>Cluster 2</b>							
R	Middle occipital gyrus	19	22	40	-80	10	3.82
							<.001

*Note.* Results are for N=25 adults. \*Survives familywise error correction ( $p < .05$ ) at cluster level. Reported p-values are uncorrected. “Voxels” indicates number of voxels active at  $p < .001$ ,  $k=5$ . H, hemisphere; L, left; R, right. Inferior frontal gyrus sub-divisions: oper, opercular; orb, orbital; tri, triangular. LPFC, lateral prefrontal cortex; DLPFC, dorsolateral prefrontal cortex; DMPPFC, dorsomedial prefrontal cortex; VLPFC, ventrolateral prefrontal cortex; VMPPFC, ventromedial prefrontal cortex; RLPFC, rostralateral prefrontal cortex. PPC, posterior parietal cortex; IPS, intraparietal sulcus; TPJ, temporo-parietal junction.

Table 10

Whole-Brain Activations that Covary with False Alarm Rate to Calm Distractors

Contrast	Lobe	H	Label	BA	Voxels	Peak coordinates			Peak $t$	$p$
						X	Y	Z		
<b>Framing &gt; No Framing</b>										
<b>Cluster 1</b>										
	L		Cerebellum (Area 6)		543	8	-74	-8	4.89	<.001*
	R		Lingual Gyrus	18/19	160					
	R		Cerebellum (Area 6)		102					
	L		Lingual Gyrus	18/19	57					
	R		Fusiform Gyrus		36					
			Vermis (Area 6)		8					
<b>Cluster 2</b>										
	L		Precuneus	5/7	92	-14	-48	44	4.70	<.001*
	R		Precuneus	5/7	53					
	L		Middle cingulum	31	51					
	R		Paracentral lobule	4	18					
<b>Cluster 3</b>										
	R		Cuneus	18/19	56	16	-88	18	4.57	<.001
	R		Calcarine sulcus	18/19	41					
	R		Superior occipital gyrus	18/19	11					

<b>Cluster 4</b>	L	Cerebellum (Areas 4, 5)	7	-18	-42	-26	4.55	<.001
			6					
<b>Cluster 5</b>	R	Caudate	13	16	-6	26	4.47	<.001
			7					
<b>Cluster 6</b>	R	Superior temporal gyrus	63	64	-22	10	4.30	<.001
	R	Rolandic operculum	32					
	R	Supramarginal gyrus	43			24		
	R	Supramarginal gyrus	40			5		
<b>Cluster 7</b>	R	Insula	19	40	-8	-12	4.25	<.001
			21			1		
<b>Cluster 8</b>	L	Inferior parietal lobule	15	-56	-40	42	4.05	<.001
	L	Supramarginal gyrus	40			10		
	L	Supramarginal gyrus	40			5		
<b>Cluster 9</b>	L	Caudate	9	-14	12	20	4.02	<.001
			8					
<b>Cluster 10</b>	NOT FOUND IN ATLAS							
			11	-34	-2	-26	4.00	<.001
<b>Cluster 11</b>	L	Superior temporal lobe	40	-54	-24	10	3.99	<.001
	L	Supramarginal gyrus	41/42			37		
	L	Supramarginal gyrus	40			2		
<b>Cluster 12</b>			14	-18	-2	24	3.89	<.001

	L	Caudate		14						
<b>Cluster 13</b>	R	Cerebellum (Area 6)		5	24	-60	-30	3.85		
				4						
<b>Cluster 14</b>	R	Supramarginal gyrus		9	52	-40	28	3.75	.001	
				9						
<b>Cluster 15</b>	L	Caudate		6	-14	-16	22	3.73	.001	
				1						
<b>Cluster 16</b>	R	Postcentral gyrus		18	40	-38	54	3.70	.001	
	R	Inferior parietal lobule		12						
				40						
				6						
<b>Cluster 17</b>	L	Superior medial frontal gyrus		6	-8	44	18	3.61	.001	
	L	Anterior cingulum		9						
				32						
				3						
<b>No Framing &gt; Framing</b>										
<b>Cluster 1</b>	L	Middle occipital gyrus		291	-14	-96	-6	4.70	<.001*	
	L	Inferior occipital gyrus		115						
				18/19						
	L	Calcarine sulcus		101						
	L	Lingual gyrus		55						
				17						
				18						
<b>Cluster 2</b>				62	24	-88	-12	4.65	<.001	

	R	Lingual gyrus	18	48					
	R	Inferior occipital gyrus	18	7					
	R	Fusiform gyrus		7					
<b>Cluster 3</b>									
	L	Inferior temporal gyrus		13	-48	-52	-6	4.02	<.001
	L	Middle temporal gyrus		7					
	L	Middle temporal gyrus		5					
<b>Cluster 4</b>									
	R	Insula	47	11	34	24	0	3.99	<.001
<b>Cluster 5</b>									
	R	Middle occipital gyrus	18/19	19	31	28	-94	2	3.83
	R	Calcarine sulcus	18/19	6					<.001
	R	Inferior occipital gyrus	18/19	6					
<b>Gain Sure &gt; Gain Risk</b>									
<b>Cluster 1</b>									
	L	Cerebellum (Area 6)		398	-18	-62	-16	6.50	<.001*
	L	Cerebellum (Areas 4, 5)		307					
	L	Cerebellum (Areas 4, 5)		39					
	L	Lingual gyrus	19	35					
	L	Fusiform gyrus		17					
<b>Cluster 2</b>									
	R	Rolandic operculum	13	451	48	-22	20	6.20	<.001*
	R	Supramarginal gyrus	40	212					
	R	Supramarginal gyrus		173					
	R	Superior temporal lobe	41/42	54					



	R	Lingual gyrus	18/19	38						
		Vermis (Area 6)		5						
<b>Cluster 8</b>	L	Amygdala		<b>60</b>	<b>-30</b>	<b>4</b>	<b>-20</b>	<b>4.52</b>	<b>&lt;.001</b>	
	L	Superior temporal pole		10						
	L	Hippocampus		9						
	L	Hippocampus		1						
<b>Cluster 9</b>	R	Amygdala		<b>46</b>	<b>38</b>	<b>-8</b>	<b>-10</b>	<b>4.48</b>	<b>&lt;.001</b>	
	R	Putamen		2						
	R	Putamen		2						
	R	Insula	13	1						
	R	Hippocampus		1						
<b>Cluster 10</b>				<b>101</b>	<b>34</b>	<b>-42</b>	<b>60</b>	<b>4.46</b>	<b>&lt;.001</b>	
	R	Postcengral gyrus	2, 3,	5						
	R	Superior parietal lobule	5, 40	65						
	R	Inferior parietal lobule	40	24						
	R	Precuneus	5, 40	7						
	R	Precuneus	5, 40	5						
<b>Cluster 11</b>				<b>63</b>	<b>46</b>	<b>2</b>	<b>6</b>	<b>4.21</b>	<b>&lt;.001</b>	
	R	Insula	13	36						
	R	Rolandic operculum	43	25						
<b>Cluster 12</b>				<b>32</b>	<b>50</b>	<b>-60</b>	<b>6</b>	<b>4.10</b>	<b>&lt;.001</b>	
	R	Middle temporal gyrus	39	32						
<b>Cluster 13</b>				<b>49</b>	<b>-50</b>	<b>-70</b>	<b>6</b>	<b>4.08</b>	<b>&lt;.001</b>	

	L	Middle temporal gyrus	37	32						
	L	Middle occipital gyrus	19	16						
<b>Cluster 14</b>	L	Caudate		<b>21</b>	<b>-12</b>	<b>14</b>	<b>18</b>	<b>4.00</b>	<b>&lt;.001</b>	
				19						
<b>Cluster 15</b>	L	Caudate		<b>10</b>	<b>-14</b>	<b>-18</b>	<b>22</b>	<b>3.96</b>	<b>&lt;.001</b>	
				4						
<b>Cluster 16</b>	L	Supramarginal gyrus	40	<b>10</b>	<b>-62</b>	<b>-28</b>	<b>30</b>	<b>3.94</b>	<b>&lt;.001</b>	
				10						
<b>Cluster 17</b>	L	Parahippocampal gyrus	35/36	<b>10</b>	<b>-22</b>	<b>-22</b>	<b>-16</b>	<b>3.78</b>	<b>&lt;.001</b>	
	L	Hippocampus	35/36	3						
				1						
<b>Cluster 18</b>	L	Superior medial frontal gyrus		<b>5</b>	<b>-10</b>	<b>42</b>	<b>34</b>	<b>3.78</b>	<b>&lt;.001</b>	
	L	Superior frontal gyrus		4						
	L	Superior frontal gyrus		1						
<b>Cluster 19</b>	L	Cerebellum (Areas 4, 5)		<b>5</b>	<b>-18</b>	<b>-46</b>	<b>-24</b>	<b>3.55</b>	<b>&lt;.001</b>	
				4						

**Gain Risk > Gain Sure**

<b>Cluster 1</b>	L	Calcarine sulcus	17	<b>41</b>	<b>-8</b>	<b>-96</b>	<b>-8</b>	<b>5.09</b>	<b>&lt;.001</b>	
	L	Inferior occipital cortex	17	36						
	L	Inferior occipital cortex	17	5						

<b>Cluster 2</b>									
R	Lingual gyrus	18	40	<b>52</b>	<b>24</b>	<b>-84</b>	<b>-6</b>	<b>4.37</b>	<b>&lt;.001</b>
R	Fusiform gyrus	37	11						
<b>Cluster 3</b>									
L	Inferior temporal gyrus	20/21	10	<b>19</b>	<b>-50</b>	<b>-52</b>	<b>-6</b>	<b>19</b>	<b>&lt;.001</b>
L	Middle temporal gyrus	20/21	9						

**Loss Risk > Loss Sure**

*No clusters with 5 or more voxels were significant at  $p < .001$  uncorrected.*

**Loss Sure > Loss Risk**

<b>Cluster 1</b>									
R	Middle cingulum	24/32	25	40	10	6	44	4.83	<.001
R	Supplemental motor area	24	7						
<b>Cluster 2</b>									
R	Middle occipital gyrus	19/39	51	52	40	-80	10	3.97	<.001
R	Inferior occipital gyrus	19/39	1						
<b>Cluster 3</b>									
L	Middle temporal gyrus	21/22	8	9	-52	-16	-8	3.77	<.001
L	Superior temporal gyrus	21/22	1						

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*Note.* Results are for N=25 adults. \*Survives familywise error correction ( $p < .05$ ) at cluster level. Reported p-values are uncorrected. “Voxels” indicates number of voxels active at  $p < .001$ ,  $k=5$ . H, hemisphere; L, left; R, right. Inferior frontal gyrus sub-divisions: opet, opercular; orb, orbital; tri, triangular. LPFC, lateral prefrontal cortex; DLPFC, dorsolateral prefrontal cortex; DMPPFC, dorsomedial prefrontal cortex; VLPFC, ventrolateral prefrontal cortex; VMPPFC, ventromedial prefrontal cortex; RLPFC, rostralateral prefrontal cortex. PPC, posterior parietal cortex; IPS, intraparietal sulcus; TPJ, temporo-parietal junction.

Supplemental Materials

Supplemental Table 1

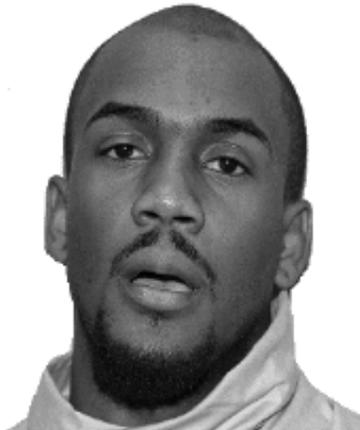
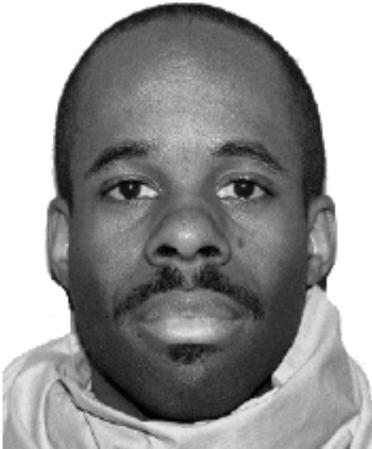
## Instructions for Emotional Go/No-Go Task

<b>Instruction</b>	<b>Target</b>	<b>Distractor</b>	<b>Block (Counter-balanced)</b>
Press the space bar as fast as you can when you see the HAPPY faces. Don't press for other faces, ONLY THE HAPPY faces.	HAPPY	FEAR	1
Please press space bar for next page. Press the space bar as fast as you can when you see the CALM faces. Don't press for other faces, ONLY THE CALM faces.	CALM	FEAR	2
Please press space bar for next page. Press the space bar as fast as you can when you see the SCARED faces. Don't press for other faces, ONLY THE SCARED faces.	CALM	HAPPY	3
Please press space bar for next page. Press the space bar as fast as you can when you see the CALM faces. Don't press for other faces, ONLY THE CALM faces.	FEAR	HAPPY	4
Please press space bar for next page. Press the space bar as fast as you can when you see the SCARED faces. Don't press for other faces, ONLY THE SCARED faces.	FEAR	CALM	5
Please press space bar for next page. Press the space bar as fast as you can when you see the HAPPY faces. Don't press for other faces, ONLY THE HAPPY faces.	HAPPY	CALM	6
Please press space bar for next page.			

Supplemental Figure 1

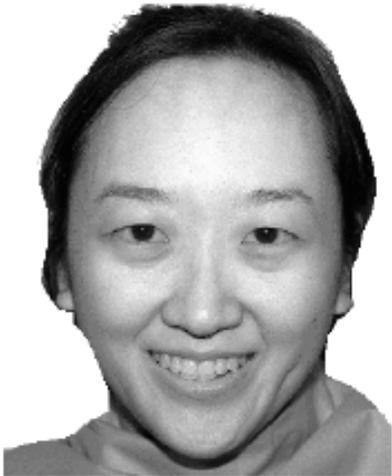
Calm Faces

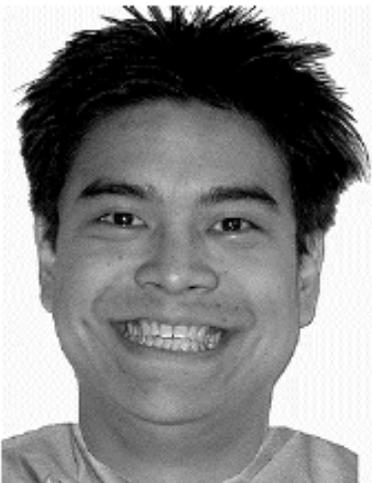
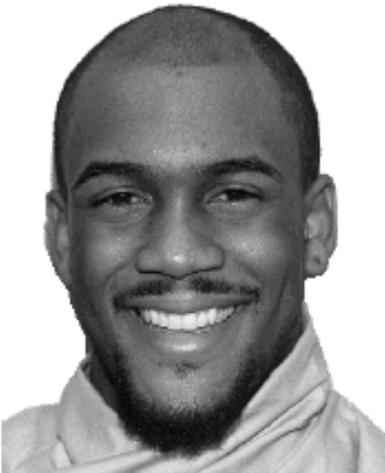




Supplemental Figure 2

Happy Faces

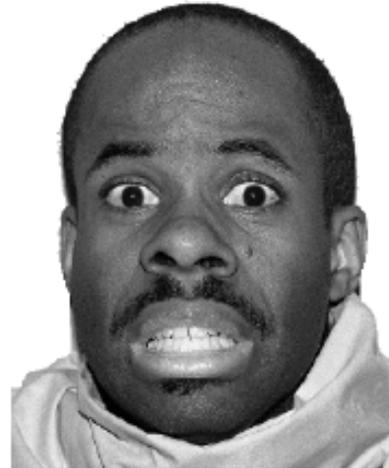
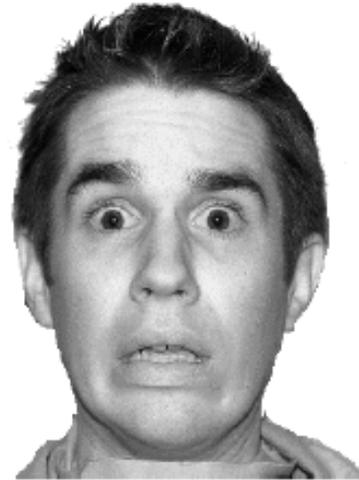




Supplemental Figure 3

Fearful Faces





Supplemental Results:

Mixed Model Analysis of Emotional Go/No-Go Results

### **Emotional Go-NoGo Task Performance**

In order to account for repeated measurements within subjects, we modeled reaction time and response on each trial using a multilevel mixed model (Baayen, Davidson, & Bates, 2008) with subject, block and individual trial (i.e., residual) as levels. Using reaction time (in milliseconds) as a dependent variable, a generalized linear mixed model was run in SPSS Version 22 (IBM SPSS, Inc., Sanborn, NY, USA). Using response accuracy (correct = 1, error = 0) as the dependent variable, a multilevel mixed effects logistic regression was run in STATA Version 14 (StataCorp LP, 2015, College Station, TX). The latter model was run in STATA because this program can accommodate more than two levels of observation in a mixed effects logistic regression.

**Response accuracy.** To account for repeated measurements within participant, a multilevel mixed effects logistic regression was run with Accuracy (Correct = 1, Error = 0) on each trial as the dependent variable. Recall that each participant completed 48 trials within each of six blocks. The model therefore had three levels: participant, block, and individual trials (i.e., residuals). Participant and block were modeled as random effects. Sequential Block (1-6), Sequential Trial (1-48), Target-Distractor Combination (Happy-Fear, Calm-Fear, Fear-Happy, Calm-Happy, Fear-Calm, and Happy-Calm), Current Trial Type (1 = Go, 0 = NoGo), Previous Trial Type (1 = Go, 0 = NoGo), Previous Trial Accuracy (1 = Correct, 0 = Error), Image Gender (1 = Male, 0 = Female), Image Race (0 = Caucasian American, 1 = African American, 2 = Asian American), Participant Gender (1 = Male, 0 = Female), and Participant Age (in years) were modeled as fixed effects. Fixed effect interaction terms included Target-Distractor Combination x Number of Preceding Go Trials, Current Trial Type x Number of Preceding Go Trials, Current Trial Type x Target-Distractor Combination, Previous Trial Type x Previous Trial Accuracy, and

Participant Gender x Image Gender. Note that target emotion and Distractor emotion were not included as separate terms because the same emotion was never presented as both the target and the Distractor within the same block; therefore, it would not be possible to compute an interaction term. Instead, the main effect of target-Distractor combination indicates how responses to each target emotion vary with the paired Distractor emotion, and vice-versa. Non-significant terms were removed from the final model, with the exception of main effects for which the factor was part of a significant interaction. We also controlled for age, gender, sequential block, and sequential trial by including these factors even when the main effects were not significant. All results remained significant when these factors were removed from the model.

***Full behavioral sample.*** Logit model results for the full sample ( $N = 99$ ) are presented in **Error! Reference source not found.**; marginal means and pairwise comparisons are presented in Supplemental Table 3 and Supplemental Table 4, respectively. Results indicate that the odds of responding correctly depended on the combination of target and Distractor. Compared to the odds of responding correctly during blocks with a happy target and a fearful Distractor (the reference condition), the odds of responding correctly halved for blocks with calm targets and fearful Distractors (odds ratio = 0.548,  $z = 5.500$ ,  $p < .001$ ) and blocks with calm targets and happy Distractors (odds ratio = 0.489,  $z = 6.590$ ,  $p < .001$ ). This indicates that the odds of responding correctly were lowest for blocks with calm targets (calm target/happy Distractor,  $M = 2.289$ ; calm target/fear Distractor,  $M = 2.404$ ; see **Error! Reference source not found.**). Similarly, the odds of responding correctly during blocks with fearful targets and calm Distractors were only three-fourths the odds of responding correctly during blocks with happy targets and fearful Distractors (odds ratio = 0.749,  $z = 2.620$ ,  $p = .009$ ). The only condition in

which the odds of responding correctly were higher than during the reference condition was when happy targets were paired with calm Distractors. The odds of responding correctly in this condition were about one and a half times the odds of responding correctly during blocks with happy targets and fearful Distractors (odds ratio = 1.600,  $z = 3.92$ ,  $p < .001$ ). This indicates that, during blocks with happy targets, the odds of responding correctly were higher when the Distractor was calm than when the target was fearful (mean difference = 0.470,  $z = 3.920$ ,  $p < .001$ ).

We also observed a significant main effect of image race. The odds of responding correctly in response to African American faces were slightly over half the odds of responding correctly in response to Caucasian faces (odds ratio = 0.641,  $z = 8.530$ ,  $p < .001$ ). The odds of responding correctly in response to Asian American faces were just over three-quarters the odds of responding correctly in response to Caucasian faces (odds ratio = 0.832,  $z = 3.030$ ,  $p = .002$ ). Significant main effects of current trial type (correct response: go vs. no-go), previous trial type (correct response: go vs. no-go), previous trial accuracy (correct vs. error), number of preceding go trials (0-6), participant gender, and image gender were all modified by significant interactions.

We observed three significant interactions. First, the effect of current trial type depended on the number of preceding Go trials. When the number of preceding go trials was zero, the odds of responding correctly were six times a large (odds ratio = 6.080) for current Go trials compared to current NoGo trials ( $z = 20.510$ ,  $p < .001$ ). After one preceding Go trial, the log odds of responding correctly for Go trials compared to NoGo trials increased by 0.117, indicating that the odds of responding correctly for Go trials compared to the odds of responding correctly for NoGo trials increased to 6.843 ( $z = 3.070$ ,  $p = .002$ ).

Second, the effect of previous trial accuracy depended on previous trial type. When the previous trial was a NoGo, the odds of responding correctly after a correct response to that NoGo trial (i.e., correct rejection) were slightly lower (odds ratio = 0.832) than the odds of responding correctly after an incorrect response (i.e., false alarm;  $z = 3.030$ ,  $p = .002$ ). However, when the previous trial was a Go, the log odds of responding correctly after a correct response to that Go trial (i.e., hit) increased by 0.579, indicating that the odds of responding correctly after correctly responding to a Go trial (i.e., hit) compared to the odds of responding correctly after incorrectly responding to a Go trial (i.e., miss) increased to 0.937 ( $z = 3.450$ ,  $p = .001$ ).

Third, the effect of image gender depended on the gender of the participant. When the participant was female, the odds of responding correctly were lower for images of male faces than for images of female faces (odds ratio = 0.737,  $z = 5.590$ ,  $p < .001$ ). However, when the participant was male, the log odds of responding correctly for male faces compared to female faces decreased by 0.227, indicating that the odds of responding correctly for male faces decreased to half of the odds (odds ratio = 0.587) of responding correctly for female faces ( $z = 2.230$ ,  $p = .026$ ).

**fMRI subsample.** Logit model results for the subsample who completed the framing task in the fMRI scanner ( $N = 25$ ) are presented in Supplemental Table 5; marginal means and pairwise comparisons are presented in Supplemental Table 6 and Supplemental Table 7, respectively. We observed significant main effects of image gender and image race. The odds of a participant responding correctly in response to a male face were only half as large (odds ratio = 0.458) as the odds of responding correctly in response to a female face ( $z = 7.980$ ,  $p < .001$ ). Additionally, the odds of responding correctly were only half as large when the face was African American (odds ratio = 0.550) or Asian American (odds ratio = 0.559) compared to when

the face was Caucasian American (African American,  $z = 5.520$ ,  $p < .001$ ; Asian American,  $z = 4.730$ ,  $p < .001$ ). Main effects of sequential block, sequential trial, participant age, and participant gender were not significant.

Significant main effects of trial type and number of preceding go trials were modified by a significant interaction. The main effect of current trial type (Go vs. NoGo) indicated that participants were more than three times as likely (odds ratio = 3.432) to respond correctly for Go trials than for NoGo trials ( $z = 9.130$ ,  $p < .001$ ). However, the effect of current trial type depended on the number of preceding go trials. For each additional preceding go trial, the log likelihood effect of Go versus NoGo increased by 0.241, indicating that, when there was one previous Go trial, compared to zero previous Go trials, the odds of responding correctly for Go trials compared to NoGo trials increased from 3.432 to 4.367.

**Response accuracy: Simplified model.** For comparison to previous studies, we also ran a simplified version of the model that included only the factors reported by Tottenham et al. (2011), Hare et al. (2005, 2008), or Casey et al. (2011). As above, we ran a multilevel mixed effects logistic regression with Accuracy (Correct = 1, Error = 0) on each trial as the dependent variable. As above, the model had three levels: participant, block, and individual trials (i.e., residuals). Participant and block were modeled as random effects. Emotion (Happy, Calm, Fearful), Current Trial Type (1=Go, 0=NoGo), Participant Gender (1=Male, 0=Female), and Participant Age (in years) were modeled as fixed effects. Emotion x Current Trial Type was included as a fixed effects interaction term. We also controlled for Age and Gender by including these factors even when the main effects were not significant. All results remained significant when these factors were excluded from the models. Recall that degrees of freedom reflect the

total number of trials (48 trials in each of six blocks for each of 99 participants, with some missing blocks, as reported in the Methods section).

**Full behavioral sample.** For the full sample ( $N = 99$ ), Odds ratios and confidence intervals are presented in Supplemental Table 8, marginal means are presented in Supplemental Table 9, and pairwise comparisons are presented in Supplemental Table 10. We observed significant main effects of Emotion and Trial Type. The odds of responding correctly were lower for Happy faces compared to Calm faces, odds ratio = 0.691,  $z = 5.230$ ,  $p < .001$ . The odds of responding correctly were also lower for Fearful faces compared to calm faces, odds ratio = 0.755,  $z = 3.930$ ,  $p < .001$ . The odds of responding correctly were more than two and a half times as high for Go trials than for NoGo trials, odds ratio = 2.637,  $z = 14.400$ ,  $p < .001$ .

These main effects were modified by a significant interaction between Emotion and Trial Type. For Happy faces, the log odds of responding correctly increased by 2.269 for Go trials compared to NoGo trials,  $z = 17.550$ ,  $p < .001$ . This means that the odds of responding correctly to Happy faces (compared to the odds of responding correctly to Calm faces) more than tripled (6.688 compared to 1.900) for Go trials compared to NoGo trials. Similarly, for Fearful faces, the log odds of responding correctly increased by 1.172 for Go trials compared to NoGo trials,  $z = 11.270$ ,  $p < .001$ . This means that the odds of responding correctly to Fearful faces (compared to the odds of responding correctly to Calm faces) increased more than threefold (3.277 compared to 0.871) for Go trials compared to NoGo trials.

Main effects of Participant Age and Participant Gender were not significant. These fixed effects were included in the final model in order to control for demographic variables, but all effects remained significant when Age and Gender were removed from the model.

*fMRI subsample.* Odds ratios and confidence intervals are presented in Supplemental Table 11, marginal means are presented in Supplemental Table 12, and pairwise comparisons are presented in Supplemental Table 13. We observed significant main effects of Emotion and Trial Type. The odds of correctly responding to a Happy face were just over half the odds of correctly responding to a Calm face, odds ratio = 0.631,  $z = 2.940$ ,  $p = .003$ . Similarly, the odds of correctly responding to a Fearful face were just over half the odds of correctly responding to a Calm face, odds ratio = 0.638,  $z = 2.820$ ,  $p = .005$ . The odds of correctly responding to a Go trial were almost twice as high as the odds of correctly responding to a NoGo trial, odds ratio = 1.904,  $z = 4.340$ ,  $p < .001$ .

These main effects were modified by a significant Emotion x Trial Type interaction. For Happy faces, the log odds of responding correctly increased by 1.708 for Go trials compared to NoGo trials,  $z = 7.260$ ,  $p < .001$ . This means that the odds of responding correctly to Happy faces (compared to the odds of responding correctly to Calm faces) were nearly six times as high (3.486 compared to 0.631) for Go trials compared to NoGo trials. Similarly, for Fearful faces, the log odds of responding correctly increased by 0.990 for Go trials compared to NoGo trials,  $z = 4.590$ ,  $p < .001$ . This means that the odds of responding correctly to Fearful faces (compared to the odds of responding correctly to Calm faces) nearly tripled (to 1.717 from 0.638) for Go trials compared to NoGo trials.

Main effects of Participant Age and Participant Gender were not significant. These fixed effects were included in the final model in order to control for demographic variables, but all effects remained significant when Age and Gender were removed from the model.

**Reaction time.** To account for repeated measurements within participant, a multilevel mixed effects logistic regression was run with Reaction Time (milliseconds) on each trial as the

dependent variable. The model therefore had three levels: participant, block, and individual trials (i.e., residuals). Participant and block were modeled as random effects. Sequential Block (1-6), Sequential Trial (1-48), Target-Distractor Combination (Happy-Fear, Calm-Fear, Fear-Happy, Calm-Happy, Fear-Calm, and Happy-Calm), Current Trial Type (1=Go, 0=NoGo), Previous Trial Type (1=Go, 0=NoGo), Current Trial Accuracy (1=Correct, 0=Error), Previous Trial Accuracy (1=Correct, 0=Error), Image Gender (1=Male, 0=Female), Image Race (0=Caucasian American, 1=African American, 2=Asian American), Participant Gender (1=Male, 0=Female), and Participant Age (in years) were modeled as fixed effects. Fixed effect interaction terms included Target-Distractor Combination x Number of Preceding Go Trials, Current Trial Type x Number of Preceding Go Trials, Current Trial Accuracy x Number of Preceding Go Trials, Previous Trial Type x Previous Trial Accuracy, Participant Gender x Image Gender, and Number of Preceding Go Trials x Current Trial Type x Current Trial Accuracy. Note that target emotion and Distractor emotion were not included as separate terms because the same emotion was never presented as both the target and the Distractor within the same block; therefore, it would not be possible to compute an interaction term. Instead, the main effect of target-Distractor combination indicates how responses to each target emotion vary with the paired Distractor emotion, and vice-versa. Non-significant terms were removed from the final model, with the exception of main effects for which the factor was part of a significant interaction. We also controlled for Age, Gender, Sequential Block, and Sequential Trial by including these factors even when the main effects were not significant. All results remained significant when Age and Gender were removed from the models.

***Full behavioral sample.*** In the full sample (N = 99), we observed a significant effect of Participant Age,  $F(1, 96.417) = 8.308, p = .005$ . Participants responded more slowly (i.e., RT

increased) with increasing age,  $B = 4.645$ ,  $SE = 1.611$ ,  $t(1, 96.417) = 2.882$ ,  $p = .005$ . We also observed significant main effects of Image Gender,  $F(1, 20201.819) = 5.247$ ,  $p = .022$ , and Image Race,  $F(2, 20220.711) = 3.454$ ,  $p = .032$ . Participants responded more quickly to female faces ( $M = 437.143$ ,  $SE = 7.767$ ) than to male faces ( $M = 439.719$ ,  $SE = 7.772$ ), mean difference =  $2.576$ ,  $SE = 1.125$ ,  $p = .022$ . Participants responded more slowly to Asian American faces ( $M = 440.524$ ,  $SE = 7.808$ ) than to Caucasian American faces ( $M = 436.809$ ,  $SE = 7.777$ ). Reaction times to African American faces ( $M = 437.960$ ,  $SE = 7.786$ ) did not differ from reaction times to either Asian American faces ( $p = .081$ ) or Caucasian American faces ( $p = .372$ ). There was also a significant effect of Sequential Block,  $F(1, 455.557) = 10.280$ ,  $p = .001$ . Participants responded more quickly (i.e., RT decreased) with increased experience (i.e., as they completed more blocks),  $B = -2.235$ ,  $SE = .697$ ,  $t(1, 455.557) = 3.206$ ,  $p = .001$ .

Significant main effects of Target-Distractor Combination, Current Trial Type (Correct response: Go vs. NoGo), Current Trial Accuracy (Correct vs. Error), Previous Trial Type (Correct response: Go vs. NoGo), Previous Trial Accuracy (Commission vs. Omission), and Number of Preceding Go Trials (0-6) were modified by significant interactions. Main effects of Sequential Trial ( $p = .227$ ), Current Trial Accuracy, ( $p = .159$ ), Previous Trial Accuracy ( $p = .260$ ), and Participant Gender ( $p = .934$ ) were not significant, but Current Trial Accuracy and Previous Trial Accuracy were part of significant interactions, as described below.

We observed four significant interactions. First, the effect of current trial type (correct response: Go or NoGo) depended on the combination of target and Distractor,  $F(5, 20315.541) = 7.126$ ,  $p < .001$ . Marginal means and pairwise comparisons are presented in Supplemental Table 2 and Supplemental Table 3, respectively. Reaction times for NoGo trials (i.e., false alarms) were faster for Happy-Fear blocks than for Calm-Fear ( $p = .001$ ), Calm-Happy ( $p = .003$ ), and

Fear-Calm ( $p < .001$ ). Reaction times for Go trials (i.e., hits) were faster for Happy-Calm blocks than for any other combination of target and Distractor (all  $p \leq .005$ ). Reaction times for NoGo trials (i.e., false alarms) were also faster for Happy-Calm blocks than for any other combination of target and Distractor (all  $p \leq .014$ ), with the exception of Happy-Fear ( $p = .457$ ).

Second, the effect of number of preceding go trials depended on the current trial type (go or no-go),  $F(1, 20231.578) = 8.357, p = .004$ . Although the main effect indicated that reaction times decreased with increasing number of preceding go trials ( $B = -3.603, SE = .531, t(1, 20229.406) = 6.789, p < .001$ ), this effect was stronger for current Go trials (i.e., hits) than for current NoGo trials (i.e., false alarms),  $B = 39.949, SE = 13.820, t(1, 20231.578) = 2.891, p = .004$ . In other words, an increasing number of preceding go trials predicted a faster response on current Go trials (i.e., hits) than on current NoGo trials (i.e., false alarms).

Third, the effect of number of preceding go trials also depended on the accuracy of response on the current trial (correct or error),  $F(1, 20230.790) = 8.204, p = .004$ . An increasing number of preceding go trials predicted a faster RT for incorrect responses (i.e., false alarms) on the current trial than for correct responses (i.e., hits) on the current trial,  $B = -39.610, SE = 13.829, t(1, 20230.790) = -2.864, p = .004$ . The three-way interaction between number of preceding go trials, trial type, and response accuracy was not significant.

Fourth, the effect of response on the previous trial (commission vs. omission) depended on the accuracy of that response,  $F(1, 20380.304) = 11.805, p = .001$ . Omissions on the previous trial were associated with faster current trial RT when they were correct (i.e., correct rejections,  $M = 424.401, SE = 7.821$ ) than when they were incorrect (i.e., misses,  $M = 434.496, SE = 8.311$ ), mean difference = 10.095,  $SE = 3.600, p = .005$ . In contrast, commissions on the previous trial were associated with faster current trial RT when they were incorrect (i.e., false

alarms,  $M = 444.651$ ,  $SE = 8.007$ ) than when they were correct (i.e., hits,  $M = 450.177$ ,  $SE = 7.698$ ), mean difference = 5.526,  $SE = 2.363$ ,  $p = .019$ .

*fMRI subsample.* In the fMRI subsample ( $n = 26$ ), we observed five significant main effects. There was a main effect of Sequential Trial,  $F(1, 4720.544) = 23.295$ ,  $p < .001$ . Responses became slower as participants completed more trials within a block,  $B = 0.439$ ,  $SE = 0.091$ ,  $t(1, 4720.544) = 4.827$ ,  $p < .001$ . There was also a main effect of Previous Trial Response,  $F(1, 4753.781) = 4.803$ ,  $p = .011$ . Reaction times were slower following trials in which participants pressed the space bar ( $M = 513.958$ ,  $SE = 13.166$ ) compared to RTs following trials in which participants withheld response ( $M = 507.108$ ,  $SE = 13.384$ ), mean difference = 6.850,  $SE = 3.126$ ,  $p = .028$ . There was also a main effect of Image Race,  $F(2, 4726.057) = 3.073$ ,  $p = .046$ . Participants responded more quickly to African American faces ( $M = 506.683$ ,  $SE = 13.284$ ) than to Asian American faces ( $M = 514.716$ ,  $SE = 13.352$ ), mean difference = 8.033,  $SE = 3.240$ ,  $p = .013$ . RTs to Caucasian American faces ( $M = 510.199$ ,  $SE = 13.267$ ) did not differ from RTs to African American faces ( $p = .214$ ) or RTs to Asian American faces ( $p = .143$ ). Significant main effects of Current Trial Type (Go or NoGo) and Target-Distractor Combination were modified by significant interactions, as described below. Main effects of Sequential Block, Participant Gender, Participant Age, Current Trial Accuracy, and Number of Preceding Go Trials were not significant; however, Current Trial Accuracy and Number of Preceding Go Trials were part of significant interactions, as described below.

We observed three significant interactions. First, the effect of Current Trial Type (Correct response: Go versus NoGo) depended on the Target-Distractor Combination,  $F(5, 4770.775) = 2.995$ ,  $p = .011$ . Second, the effect of Number of Preceding Go Trials depended on the Current Trial Type (Correct response: Go vs. NoGo),  $F(1, 4746.641) = 6.965$ ,  $p = .008$ . Note

that the main effect of Number of Preceding Go Trials indicated that RT decreased as the number of preceding Go trials increased,  $B = -2.022$ ,  $SE = 1.004$ ,  $t(1, 4755) = 2.013$ ,  $p = .044$ . However, this decrease in RT was more pronounced following an incorrect response to the previous trial, compared to a correct response to the previous trial,  $B = -37.331$ ,  $SE = 15.085$ ,  $t(1, 476.136) = -2.475$ ,  $p = .013$ . Third, the effect of Number of Preceding Go Trials also depended on Current Trial Accuracy,  $F(1, 4746.076) = 6.107$ ,  $p = .014$ . The decrease in RT associated with increasing preceding Go trials was more pronounced for correct responses (i.e., hits) on the current trial, compared to errors (i.e., false alarms) on the current trial,  $B = 39.703$ ,  $SE = 15.022$ ,  $t(1, 47146) = 2.643$ ,  $p = .008$ .

**Reaction time: Simplified model.** For comparison to previous studies, we also ran a simplified version of the model that included only the factors reported by Tottenham et al. (2011), Hare et al. (2005, 2008), or Casey et al. (2011). As above, we ran a multilevel mixed linear regression with Reaction Time (ms) on each trial as the dependent variable. As above, the model had three levels: participant, block, and individual trials (i.e., residuals). Participant and block were modeled as random effects. Emotion (Happy, Calm, Fearful), Current Trial Type (1=Go, 0=NoGo), Participant Gender (1=Male, 0=Female), and Participant Age (in years) were modeled as fixed effects. Emotion x Current Trial Type was included as a fixed effects interaction term. We also controlled for Age and Gender by including these factors even when the main effects were not significant. All results remained significant when these factors were excluded from the models. Recall that degrees of freedom reflect the total number of trials (48 trials in each of six blocks for each of 99 participants, with some missing blocks, as reported in the Methods section).

**Full behavioral sample.** In the full behavioral sample, we observed significant main effects of Emotion,  $F(2, 19434.445) = 18.950, p < .001$ , and Current Trial Type,  $F(1, 20813.221) = 174.757, p < .001$ . Reaction times to Happy faces ( $M = 437.629, SE = 7.021$ ) were faster than reaction times to Fearful faces ( $M = 444.428, SE = 7.032$ ), which were faster than reaction times to Calm faces ( $M = 454.463, SE = 7.077$ ), all  $p < .001$ . Reaction times were faster for NoGo trials (i.e., false alarms;  $M = 431.540, SE = 7.084$ ) than for Go trials (i.e., hits;  $M = 459.540, SE = 7.084$ ),  $p < .001$ .

These main effects were modified by a significant interaction between Emotion and Current Trial Type,  $F(2, 3348.493) = 6.908, p = .001$ . For all emotions, reaction times were faster for NoGo trials (i.e., false alarms) than for Go trials (i.e., hits), all  $p < .001$ . However, the effect of trial type (i.e., Go vs. NoGo) depended on emotion. For NoGo trials (i.e., false alarms), reaction times were faster to Fearful Distractors ( $M = 423.934, SE = 7.667$ ), than to Calm Distractors ( $M = 442.234, SE = 7.809$ ), mean difference = 18.300,  $SE = 5.352, p = .001$ . Reaction times on NoGo trials were also faster to Happy Distractors ( $M = 428.451, SE = 7.627$ ) than to Calm Distractors, mean difference = 13.783,  $SE = 5.268, p = .009$ . Reaction times did not differ between Happy Distractors and Fearful Distractors ( $p = .373$ ). Thus, reaction times for false alarms were faster for both Fearful Distractors and Happy Distractors than for Calm Distractors. For Go trials (i.e., hits), reaction times were faster for Happy targets ( $M = 446.807, SE = 6.987$ ) than for Calm targets ( $M = 466.692, SE = 7.007$ ), mean difference = 19.885,  $SE = 2.751, p < .001$ . Reaction times were also faster for Happy targets than for Fearful targets ( $M = 464.921, SE = 6.989$ ), mean difference = 18.114,  $SE = 2.731, p < .001$ . Reaction times for Calm targets and Fearful targets did not differ ( $p = .522$ ).

We also observed a main effect of Participant Age,  $F(1, 97.450) = 8.924, p = .004$ . Reaction times increased with increasing participant age,  $B = 4.623, SE = 1.547, t(1, 97.450) = 2.987, p = .004$ . A main effect of Participant Gender was not significant ( $p = .918$ ); all main effects and interactions remained significant when Participant Gender was excluded from the model.

**fMRI subsample.** In the fMRI subsample ( $n = 26$ ), we observed main effects of Emotion,  $F(2, 491.597) = 8.547, p < .001$ , and Current Trial Type,  $F(1, 4944.558) = 34.355, p < .001$ . Reaction times were faster for NoGo trials (i.e., false alarms,  $M = 499.458, SE = 13.687$ ) than for Go trials (i.e., hits,  $M = 528.853, SE = 12.854$ ), mean difference = 29.396,  $SE = 5.015, p < .001$ . Reaction times were also faster for Happy faces ( $M = 505.179, SE = 13.301$ ) and Fearful faces ( $M = 511.471, SE = 13.340$ ) than for Calm faces ( $M = 525.816, SE = 13.432$ ; happy - calm: mean difference = 20.637,  $SE = 5.080, p < .001$ ; fearful - calm: mean difference = 14.345,  $SE = 5.099, p = .005$ . Reaction times for Happy and Fearful faces did not differ, mean difference = 6.292,  $SE = 4.922, p = .202$ .

The interaction between Emotion and Current Trial Type was not significant and was therefore excluded from the final model. Main effects of Participant Gender ( $p = .565$ ) and Participant Age ( $p = .263$ ) were not significant but were included in the final model in order to control for these demographic variables. All effects remained significant when Participant Gender and Participant Age were excluded from the model.

## Supplemental Table 2

*Odds Ratios for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99)*

Fixed Effect	Coefficient	SE	Odds ratio	z	p>z	95% CI (Coefficient)		95% CI (Odds Ratio)		
						Lower Bound	Upper Bound	Lower Bound	Upper Bound	
Sequential Trial (1-48)	0.007	0.003	1.007	1.950	0.051	0.000	0.013	1.000	1.013	
Sequential Block (1-6)	0.036	0.039	1.036	0.920	0.357	-0.040	0.111	0.961	1.118	
<u>Target-Distractor Combination</u>										
Calm-Fear (vs. Happy-Fear)	-0.692	0.220	0.501	-3.150	0.002	-1.123	-0.261	0.325	0.770	
Fear-Happy (vs. Happy-Fear)	-0.086	0.229	0.918	-0.380	0.707	-0.534	0.362	0.586	1.437	
Calm-Happy (vs. Happy-Fear)	-0.601	0.215	0.548	-2.800	0.005	-1.022	-0.180	0.360	0.835	
Fear-Calm (vs. Happy-Fear)	-0.595	0.216	0.552	-2.750	0.006	-1.018	-0.171	0.361	0.843	
Happy-Calm (vs. Happy-Fear)	0.562	0.248	1.754	2.270	0.023	0.077	1.047	1.080	2.850	
Trial type (1=Go, 0=NoGo)	1.233	0.135	3.432	9.130	0.000	0.969	1.498	2.634	4.472	
Gender (Male=1, Female=0)	0.166	0.186	1.180	0.890	0.372	-0.198	0.530	0.820	1.699	
Participant Age (Years)	0.008	0.019	1.008	0.400	0.690	-0.030	0.045	0.971	1.046	
Image Gender (Male=1, Female=0)	-0.781	0.098	0.458	-7.980	0.000	-0.973	-0.589	0.378	0.555	

<u>Image Race</u>									
African American (vs. Caucasian)	-0.597	0.108	0.550	-5.520	0.000	-0.810	-0.385	0.445	0.680
Asian American (vs. Caucasian)	-0.581	0.123	0.559	-4.730	0.000	-0.822	-0.341	0.439	0.711
Number Preceding Go Trials (1-5)	-0.093	0.045	0.911	-2.080	0.037	-0.181	-0.005	0.835	0.995
<u>Trial Type x Number Preceding Go Trials</u>									
Go (vs. NoGo)	0.241	0.067	1.272	3.570	0.000	0.109	0.373	1.115	1.452
Constant (intercept)	2.238	0.491		4.560	0.000	1.276	3.201		

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

Supplemental Table 3

*Marginal Means for for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99)*

	Marginal Mean	SE Mean	z	p>z	95% CI (Mean)	
					Lower	Upper
<u>Target-Distractor Combination</u>						
Happy_Fear	3.005	0.087	34.690	0.000	2.836	3.175
Calm_Fear	2.404	0.079	30.420	0.000	2.249	2.559
Fear_Happy	2.855	0.084	34.130	0.000	2.691	3.019
Calm_Happy	2.289	0.078	29.180	0.000	2.136	2.443
Fear_Calm	2.716	0.082	33.280	0.000	2.556	2.876
Happy_Calm	3.475	0.095	36.430	0.000	3.288	3.662
<u>Previous Trial Type (Correct Response)</u>						
NoGo	1.343	0.052	25.860	0.000	1.241	1.445
Go	3.316	0.051	65.200	0.000	3.216	3.415
<u>Participant Gender</u>						
Female	2.754	0.052	53.330	0.000	2.653	2.855
Male	2.890	0.077	37.440	0.000	2.739	3.042
<u>Image Gender</u>						
Female	2.982	0.052	57.320	0.000	2.880	3.084
Male	2.609	0.049	53.760	0.000	2.514	2.704
<u>Image Race</u>						
Caucasian	2.990	0.054	55.170	0.000	2.884	3.096
African American	2.545	0.052	48.780	0.000	2.443	2.647
Asian American	2.806	0.060	46.400	0.000	2.687	2.924
<u>Previous Trial Type (Correct Response)</u>						
NoGo	2.864	0.087	32.900	0.000	2.693	3.035
Go	2.743	0.050	54.640	0.000	2.645	2.842

Previous TrialAccuracy

Error	2.550	0.088	28.830	0.000	2.376	2.723
Correct	2.798	0.045	61.800	0.000	2.709	2.886

Previous trial accuracy (Correct, Error) \* Previous trial type (Correct response: Go vs. no-go)

Error * NoGo	3.031	0.134	22.610	0.000	2.768	3.293
Error * Go	2.387	0.105	22.630	0.000	2.180	2.593
Correct * NoGo	2.846	0.091	31.170	0.000	2.667	3.025
Correct * Go	2.781	0.050	55.310	0.000	2.683	2.880

Participant Gender \* Image Gender

Female * Female	2.907	0.060	48.460	0.000	2.790	3.025
Female * Male	2.602	0.057	45.810	0.000	2.491	2.714
Male * Female	3.158	0.093	34.110	0.000	2.976	3.339
Male * Male	2.625	0.084	31.080	0.000	2.460	2.791

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*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

## Supplemental Table 4

*Pairwise Comparisons for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99)*

Fixed Effect	Contrast	SE	z	p>z	95% CI	
					Lower	Upper
<u>Target Distractor</u>						
Calm-Fear vs. Happy-Fear	-0.601	0.109	-5.500	0.000	-0.815	-0.387
Fear-Happy vs. Happy-Fear	-0.151	0.112	-1.350	0.177	-0.370	0.068
Calm-Happy vs. Happy-Fear	-0.716	0.109	-6.590	0.000	-0.929	-0.503
Fear-Calm vs. Happy-Fear	-0.289	0.111	-2.620	0.009	-0.506	-0.073
Happy-Calm vs. Happy-Fear	0.470	0.120	3.920	0.000	0.235	0.705
Fear-Happy vs. Calm-Fear	0.450	0.107	4.200	0.000	0.240	0.660
Calm-Happy vs. Calm-Fear	-0.115	0.103	-1.110	0.266	-0.318	0.088
Fear-Calm vs. Calm-Fear	0.312	0.106	2.950	0.003	0.105	0.519
Happy-Calm vs. Calm-Fear	1.071	0.116	9.260	0.000	0.844	1.298
Calm-Happy vs. Fear-Happy	-0.565	0.106	-5.320	0.000	-0.774	-0.357
Fear-Calm vs. Fear-Happy	-0.139	0.108	-1.280	0.201	-0.351	0.074
Happy-Calm vs. Fear-Happy	0.621	0.118	5.250	0.000	0.389	0.852
Fear-Calm vs. Calm-Happy	0.427	0.105	4.070	0.000	0.221	0.632

Happy-Calm vs. Calm-Happy	1.186	0.116	10.270	0.000	0.960	1.412
Happy-Calm vs. Fear-Calm	0.759	0.117	6.480	0.000	0.530	0.989
Trial type (Correct response: Go vs. no-go)	1.805	0.088	20.510	0.000	1.632	1.977
Participant Gender (Male vs. female)	0.137	0.089	1.530	0.126	-0.038	0.311
Image Gender (Female vs. male)	-0.419	0.052	-8.090	0.000	-0.520	-0.317
<u>Image Race</u>						
African American vs. Caucasian	-0.445	0.052	-8.530	0.000	-0.547	-0.343
Asian vs. Caucasian	-0.184	0.061	-3.030	0.002	-0.303	-0.065
Asian vs. African American	0.261	0.060	4.380	0.000	0.144	0.378
Previous trial type (Go vs. NoGo)	-0.354	0.107	-3.320	0.001	-0.564	-0.145
Previous trial accuracy (Correct vs. Error)	0.105	0.086	1.220	0.222	-0.064	0.274
<u>Previous trial accuracy (Correct, Error) x Previous trial type (Correct response: Go vs. no-go)</u>						
(Error x Go) vs. (Error x NoGo)	-0.644	0.163	-3.950	0.000	-0.964	-0.324
(Correct x NoGo) vs. (Error x NoGo)	-0.185	0.139	-1.330	0.184	-0.457	0.088
(Correct x Go) vs. (Error x NoGo)	-0.249	0.140	-1.780	0.074	-0.523	0.024
Correct x NoGo) vs. (Error x Go)	0.459	0.135	3.410	0.001	0.195	0.723
(Correct x Go) vs. (Error x Go)	0.395	0.098	4.030	0.000	0.203	0.587
(Correct x Go) vs. (Correct x NoGo)	-0.065	0.102	-0.640	0.525	-0.264	0.134

Trial Type (Correct Response: Go vs. NoGo) x Number of Preceding Go Trials

Go vs. NoGo	0.117	0.038	3.070	0.002	0.042	0.191
<u>Participant Gender x Image Gender</u>						
(Female x Female) vs. (Female x Female)	-0.305	0.055	-5.590	0.000	-0.412	-0.198
(Male x Female) vs. (Female x Female)	0.250	0.107	2.350	0.019	0.041	0.459
(Male x Male) vs. (Female x Female)	-0.282	0.101	-2.810	0.005	-0.479	-0.085
(Male x Female) vs. (Female x Male)	0.555	0.106	5.260	0.000	0.348	0.762
(Male x Male) vs. (Female x Male)	0.023	0.099	0.230	0.816	-0.170	0.216
(Male x Male) vs. (Male x Female)	-0.532	0.087	-6.120	0.000	-0.703	-0.362

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

## Supplemental Table 5

*Odds Ratios for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26)*

Fixed Effect	Coefficient	SE (Coeff.)	Odds Ratio	z	p>z	95% CI (Coefficient)		95% CI (Odds Ratio)		
						Lower	Upper	Lower	Upper	
Sequential Trial (1-48)	0.002	0.002	1.002	1.050	0.294	-0.002	0.005	0.998	2.714	
Sequential Block (1-6)	0.011	0.019	1.011	0.570	0.571	-0.026	0.047	0.974	2.649	
<u>Target-Distractor Combination</u>										
Calm-Fear (vs. Happy-Fear)	-0.601	0.109	0.548	-5.500	0.000	-0.815	-0.387	0.443	1.557	
Fear-Happy (vs. Happy-Fear)	-0.151	0.112	0.860	-1.350	0.177	-0.370	0.068	0.691	1.995	
Calm-Happy (vs. Happy-Fear)	-0.716	0.109	0.489	-6.590	0.000	-0.929	-0.503	0.395	1.484	
Fear-Calm (vs. Happy-Fear)	-0.289	0.111	0.749	-2.620	0.009	-0.506	-0.073	0.603	1.827	
Happy-Calm (vs. Happy-Fear)	0.470	0.120	1.600	3.920	0.000	0.235	0.705	1.265	3.542	
Trial type (1=Go, 0=NoGo)	1.805	0.088	6.080	20.51	0	1.632	1.977	5.116	166.69	
Previous trial type (1=Go, 0=NoGo)	-0.644	0.163	0.525	-3.950	0.000	-0.964	-0.324	0.381	1.464	
Previous trial accuracy (1=Correct, 0=Error)	-0.185	0.139	0.831	-1.330	0.184	-0.457	0.088	0.633	1.884	

Number Preceding Go Trials (1-5)	-0.057	0.020	0.944	-2.900	0.004	-0.096	-0.019	0.908	2.480
Participant Gender (Male=1, Female=0)	0.250	0.107	1.284	2.350	0.019	0.041	0.459	1.042	2.836
Participant Age (Years)	-0.002	0.009	0.998	-0.180	0.861	-0.019	0.016	0.981	2.667
Image Gender (Male=1, Female=0)	-0.305	0.055	0.737	-5.590	0.000	-0.412	-0.198	0.662	1.939
<u>Image Race</u>									
African American (vs. Caucasian)	-0.445	0.052	0.641	-8.530	0.000	-0.547	-0.343	0.579	1.784
Asian (vs. Caucasian)	-0.184	0.061	0.832	-3.030	0.002	-0.303	-0.065	0.738	2.093
<u>Trial Type x Number Preceding Go Trials</u>									
Go vs. No-Go	0.117	0.038	3.070	0.002	0.042	0.191			
<u>Previous Trial Accuracy x Previous Trial Type</u>									
(Correct x Go) vs. (Error x No-Go)	0.579	0.168	3.450	0.001	0.250	0.909			
<u>Participant Gender x Image Gender</u>									
(Male x Male) vs. (Female x Female)	-0.227	0.102	-2.230	0.026	-0.427	-0.028			
Constant (Intercept)	2.132	0.275	7.760	0.000	1.594	2.671			

Note. Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample (n = 26).

## Supplemental Table 6

*Marginal Means for Fixed Effects in Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26)*

	Marginal		z	P > z	95% CI (Marginal Mean)		
	Mean	SE Mean			Lower	Upper	
<u>Target-Distractor Combination</u>							
Happy_Fear	3.005	0.087		0.000	2.836	3.175	
Calm_Fear	2.404	0.079		0.000	2.249	2.559	
Fear_Happy	2.855	0.084		0.000	2.691	3.019	
Calm_Happy	2.289	0.078		0.000	2.136	2.443	
Fear_Calm	2.716	0.082		0.000	2.556	2.876	
Happy_Calm	3.475	0.095		0.000	3.288	3.662	
<u>Previous Trial Type (Correct Response)</u>							
NoGo	1.343	0.052		0.000	1.241	1.445	
Go	3.316	0.051		0.000	3.216	3.415	
<u>Participant Gender</u>							
Female	2.754	0.052		0.000	2.653	2.855	
Male	2.890	0.077		0.000	2.739	3.042	
<u>Image Gender</u>							
Female	2.982	0.052		0.000	2.880	3.084	
Male	2.609	0.049		0.000	2.514	2.704	

<u>Image Race</u>							
Caucasian	2.990	0.054	55.170	0.000	2.884	3.096	
African American	2.545	0.052	48.780	0.000	2.443	2.647	
Asian	2.806	0.060	46.400	0.000	2.687	2.924	
<u>Previous Trial Type (Correct Response)</u>							
NoGo	2.864	0.087	32.900	0.000	2.693	3.035	
Go	2.743	0.050	54.640	0.000	2.645	2.842	
<u>Previous Trial Accuracy</u>							
Error	2.550	0.088	28.830	0.000	2.376	2.723	
Correct	2.798	0.045	61.800	0.000	2.709	2.886	
<u>Previous trial accuracy (Correct, Error) x Previous trial type (Correct response: Go vs. no-go)</u>							
Error x NoGo	3.031	0.134	22.610	0.000	2.768	3.293	
Error x Go	2.387	0.105	22.630	0.000	2.180	2.593	
Correct x NoGo	2.846	0.091	31.170	0.000	2.667	3.025	
Correct x Go	2.781	0.050	55.310	0.000	2.683	2.880	
<u>Participant Gender x Image Gender</u>							
Female x Female	2.907	0.060	48.460	0.000	2.790	3.025	
Female x Male	2.602	0.057	45.810	0.000	2.491	2.714	
Male x Female	3.158	0.093	34.110	0.000	2.976	3.339	
Male x Male	2.625	0.084	31.080	0.000	2.460	2.791	

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample ( $n = 26$ ).

## Supplemental Table 7

*Pairwise Comparisons for Fixed Effects in Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26)*

Fixed Effect	Contrast	SE	z	P>z	95% CI (Unadjusted)	
					Lower	Upper
<u>Target-Distractor Combination</u>						
Calm-Fear vs. Happy-Fear	-0.692	0.220	-3.150	0.002	-1.123	-0.261
Fear-Happy vs. Happy-Fear	-0.086	0.229	-0.380	0.707	-0.534	0.362
Calm-Happy vs. Happy-Fear	-0.601	0.215	-2.800	0.005	-1.022	-0.180
Fear-Calm vs. Happy-Fear	-0.595	0.216	-2.750	0.006	-1.018	-0.171
Happy-Calm vs. Happy-Fear	0.562	0.248	2.270	0.023	0.077	1.047
Fear-Happy vs. Calm-Fear	0.606	0.219	2.770	0.006	0.177	1.034
Calm-Happy vs. Calm-Fear	0.091	0.206	0.440	0.659	-0.313	0.495
Fear-Calm vs. Calm-Fear	0.097	0.205	0.470	0.635	-0.304	0.499
Happy-Calm vs. Calm-Fear	1.254	0.240	5.210	0.000	0.783	1.725
Calm-Happy vs. Fear-Happy	-0.515	0.215	-2.390	0.017	-0.937	-0.093
Fear-Calm vs. Fear-Happy	-0.508	0.212	-2.390	0.017	-0.925	-0.092
Happy-Calm vs. Fear-Happy	0.648	0.245	2.640	0.008	0.167	1.129
Fear-Calm vs. Calm-Happy	0.006	0.202	0.030	0.975	-0.389	0.402
Happy-Calm vs. Calm-Happy	1.163	0.235	4.950	0.000	0.703	1.623

Happy-Calm vs. Fear-Calm	1.157	0.235	4.920	0.000	0.696	1.617
<u>Trial Type (Correct Response)</u>						
Go vs. NoGo	1.233	0.135	9.130	0.000	0.969	1.498
<u>Image Gender</u>						
Male vs. Female	-0.781	0.098	-7.980	0.000	-0.973	-0.589
<u>Image Race</u>						
African American vs. Caucasian	-0.597	0.108	-5.520	0.000	-0.810	-0.385
Asian American vs. Caucasian	-0.581	0.123	-4.730	0.000	-0.822	-0.341
Asian American vs. African American	0.016	0.117	0.140	0.890	-0.213	0.245

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample ( $n = 26$ ).

## Supplemental Table 8

*Odds Ratios for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99), Simplified Model*

	Coefficient	SE	Odds Ratio	z	p > z	95% CI (Coefficient)		95% CI (Odds Ratio)	
						Lower	Upper	Lower	Upper
<u>Emotion</u>									
Happy	-0.369	0.070	0.691	-5.230	0.000	-0.507	-0.231	0.602	0.794
Fear	-0.280	0.071	0.755	-3.930	0.000	-0.420	-0.141	0.657	0.869
<u>Trial Type (Correct Response: 1 = Go, 0 = No-Go)</u>									
Go (vs. NoGo)	0.970	0.067	2.637	14.400	0.000	0.838	1.102	2.311	3.009
<u>Gender</u>									
Male (vs. Female)	0.138	0.090	1.148	1.530	0.126	-0.039	0.314	0.962	1.370
AgeYears	-0.006	0.009	0.994	-0.700	0.483	-0.024	0.012	0.976	1.012
<u>Emotion x Trial Type</u>									
Happy Go (vs. Happy NoGo)	2.269	0.129	17.550	0.000	0.000	2.016	2.523		
Fear Go (vs. Fear NoGo)	1.172	0.104	11.270	0.000	0.000	0.968	1.375		
Coefficient (Intercept)	1.488	0.209	7.130	0.000	0.000	1.079	1.897		

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

Supplemental Table 9

*Marginal Means for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99), Simplified Model*

	Margin	SE	z	p > z	95% CI	
					Lower	Upper
<u>Emotion</u>						
Calm	2.115	0.049	43.340	0.000	2.019	2.210
Happy	3.448	0.083	41.580	0.000	3.285	3.610
Fear	2.713	0.059	45.950	0.000	2.597	2.829
<u>Trial Type</u>						
NoGo	1.169	0.044	26.360	0.000	1.082	1.256
Go	3.297	0.054	60.820	0.000	3.191	3.403
<u>Gender</u>						
Female	2.730	0.054	50.510	0.000	2.624	2.835
Male	2.867	0.079	36.210	0.000	2.712	3.023
<u>Emotion x Trial Type</u>						
Calm x NoGo	1.387	0.062	22.410	0.000	1.266	1.509
Calm x Go	2.357	0.055	42.820	0.000	2.249	2.465
Happy x NoGo	1.018	0.059	17.370	0.000	0.903	1.133
Happy x Go	4.257	0.105	40.470	0.000	4.051	4.463
Fear x NoGo	1.107	0.060	18.600	0.000	0.990	1.224
Fear x Go	3.248	0.071	45.780	0.000	3.109	3.387

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

Supplemental Table 10

*Pairwise Comparisons for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in Full Behavioral Sample (N = 99), Simplified Model*

	Contrast	SE	z	p > z	95% CI	
					Lower	Upper
<u>Emotion</u>						
Happy vs Calm	0.766	0.065	11.850	0.000	0.639	0.892
Fear vs Calm	0.305	0.052	5.890	0.000	0.204	0.407
Fear vs Happy	-0.460	0.068	-6.780	0.000	-0.593	-0.327
<u>Trial Type</u>						
Go vs NoGo	2.117	0.051	41.860	0.000	2.017	2.216
<u>Gender</u>						
Male vs Female	0.138	0.090	1.530	0.126	-0.039	0.314
<u>Emotion x Trial Type</u>						
(Calm x Go) vs (Calm x NoGo)	0.970	0.067	14.400	0.000	0.838	1.102
(Happy x NoGo) vs (Calm x NoGo)	-0.369	0.070	-5.230	0.000	-0.507	-0.231
(Happy x Go) vs (Calm x NoGo)	2.870	0.112	25.600	0.000	2.650	3.090
(Fear x NoGo) vs (Calm x NoGo)	-0.280	0.071	-3.930	0.000	-0.420	-0.141
(Fear x Go) vs (Calm x NoGo)	1.861	0.081	23.020	0.000	1.702	2.019
(Happy x NoGo) vs (Calm x Go)	-1.338	0.064	-20.800	0.000	-1.465	-1.212
(Happy x Go) vs (Calm x Go)	1.900	0.108	17.540	0.000	1.688	2.113
(Fear x NoGo) vs (Calm x Go)	-1.250	0.065	-19.170	0.000	-1.378	-1.122
(Fear x Go) vs (Calm x Go)	0.891	0.076	11.800	0.000	0.743	1.039
(Happy x Go) vs (Happy x NoGo)	3.239	0.110	29.340	0.000	3.022	3.455
(Fear x NoGo) vs (Happy x NoGo)	0.088	0.068	1.290	0.196	-0.046	0.223
(Fear x Go) vs (Happy x NoGo)	2.230	0.078	28.440	0.000	2.076	2.383
(Fear x NoGo) vs (Happy x Go)	-3.150	0.111	-28.420	0.000	-3.368	-2.933
(Fear x Go) vs (Happy x Go)	-1.009	0.117	-8.610	0.000	-1.239	-0.779
(Fear x Go) vs (Fear x NoGo)	2.141	0.079	27.040	0.000	1.986	2.296

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). Full behavioral sample (N = 99).

## Supplemental Table 11

*Odds Ratios for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26), Simplified Model*

	Coefficient	SE	Odds Ratio	z	p > z	95% CI (Coeff.)		95% CI (OR)	
						Lower	Upper	Lower	Upper
<u>Emotion</u>									
Happy	-0.460	0.156	0.631	-2.940	0.003	-0.766	-0.154	0.465	0.858
Fear	-0.449	0.159	0.638	-2.820	0.005	-0.761	-0.137	0.467	0.872
<u>Trial Type (Correct Response: 1 = Go, 0 = No-Go)</u>									
Go (vs. NoGo)	0.644	0.148	1.904	4.340	0.000	0.353	0.934	1.424	2.545
<u>Gender</u>									
Male (vs. Female)	0.157	0.184	1.170	0.860	0.391	-0.202	0.517	0.817	1.677
AgeYears	0.006	0.019	1.006	0.310	0.756	-0.031	0.043	0.969	1.044
<u>Emotion x Trial Type</u>									
Happy Go (vs. Happy NoGo)	1.708	0.235	7.260	7.260	0.000	1.247	2.169		
Fear Go (vs. Fear NoGo)	0.990	0.216	4.590	4.590	0.000	0.567	1.412		
Coefficient (Intercept)	1.594	0.435	3.670	3.670	0.000	0.742	2.446		

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample (n = 26). OR, odds ratio.

Supplemental Table 12

*Marginal Means for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26), Simplified Model*

	Margin	SE	z	p > z	95% CI	
					Lower	Upper
<u>Emotion</u>						
Calm	2.283	0.104	21.920	0.000	2.079	2.487
Happy	3.105	0.137	22.720	0.000	2.837	3.373
Fear	2.577	0.114	22.640	0.000	2.354	2.800
<u>Trial Type</u>						
NoGo	1.492	0.096	15.550	0.000	1.304	1.680
Go	3.056	0.101	30.200	0.000	2.857	3.254
<u>Gender</u>						
Female	2.604	0.123	21.180	0.000	2.363	2.844
Male	2.761	0.136	20.230	0.000	2.493	3.028
<u>Emotion x Trial Type</u>						
Calm x NoGo	1.800	0.137	13.120	0.000	1.531	2.069
Calm x Go	2.444	0.117	20.890	0.000	2.214	2.673
Happy x NoGo	1.340	0.127	10.580	0.000	1.092	1.588
Happy x Go	3.692	0.167	22.120	0.000	3.365	4.019
Fear x NoGo	1.351	0.130	10.410	0.000	1.096	1.605
Fear x Go	2.984	0.133	22.430	0.000	2.723	3.245

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample (n = 26).

Supplemental Table 13

*Pairwise Comparisons for Logistic Regression Predicting Response Accuracy to Emotional Go-NoGo Task in fMRI Subsample (n = 26), Simplified Model*

	Contrast	SE	z	p > z	95% CI	
					Lower	Upper
<u>Emotion</u>						
Happy vs Calm	0.394	0.117	3.360	0.001	0.164	0.625
Fear vs Calm	0.046	0.107	0.430	0.669	-0.164	0.256
Fear vs Happy	-0.349	0.120	-2.910	0.004	-0.583	-0.114
<u>Trial Type</u>						
Go vs NoGo	1.543	0.094	16.470	0.000	1.359	1.727
<u>Gender</u>						
Male vs Female	0.157	0.184	0.860	0.391	-0.202	0.517
<u>Emotion x Trial Type</u>						
(Calm x Go) vs (Calm x NoGo)	0.644	0.148	4.340	0.000	0.353	0.934
(Happy x NoGo) vs (Calm x NoGo)	-0.460	0.156	-2.940	0.003	-0.766	-0.154
(Happy x Go) vs (Calm x NoGo)	1.892	0.190	9.960	0.000	1.520	2.265
(Fear x NoGo) vs (Calm x NoGo)	-0.449	0.159	-2.820	0.005	-0.761	-0.137
(Fear x Go) vs (Calm x NoGo)	1.184	0.161	7.350	0.000	0.869	1.500
(Happy x NoGo) vs (Calm x Go)	-1.104	0.138	-7.990	0.000	-1.374	-0.833
(Happy x Go) vs (Calm x Go)	1.249	0.176	7.110	0.000	0.904	1.593
(Fear x NoGo) vs (Calm x Go)	-1.093	0.141	-7.750	0.000	-1.369	-0.816
(Fear x Go) vs (Calm x Go)	0.541	0.144	3.750	0.000	0.258	0.823
(Happy x Go) vs (Happy x NoGo)	2.352	0.183	12.890	0.000	1.994	2.710
(Fear x NoGo) vs (Happy x NoGo)	0.011	0.150	0.070	0.943	-0.283	0.304
(Fear x Go) vs (Happy x NoGo)	1.644	0.152	10.800	0.000	1.346	1.943
(Fear x NoGo) vs (Happy x Go)	-2.342	0.185	-12.670	0.000	-2.704	-1.979
(Fear x Go) vs (Happy x Go)	-0.708	0.187	-3.780	0.000	-1.075	-0.341
(Fear x Go) vs (Fear x NoGo)	1.634	0.156	10.490	0.000	1.328	1.939

*Note.* Dependent variable = Response Accuracy (Correct = 1, Error = 0). fMRI subsample (n = 26).

## Supplemental Table 14

*Marginal Means for Interaction of Current Trial Type x Target-Distractor Combination in Mixed Linear Model Predicting Reaction Time in Emotional Go-NoGo Task, Full Behavioral Sample (N = 99)*

Trial Type	Target-Distractor Combination	Mean	SE	df	95% CI	
					Lower	Upper
NoGo	Happy_Fear	409.222	14.244	1144.736	381.275	437.169
	Calm_Fear	435.257	14.29	1158.684	407.221	463.294
	Fear_Happy	422.872	14.086	1096.512	395.234	450.51
	Calm_Happy	431.286	14.209	1133.642	403.406	459.165
Go	Fear_Calm	454.849	14.22	1138.057	426.949	482.748
	Happy_Calm	403.198	14.44	1206.552	374.867	431.529
	Happy_Fear	438.556	13.614	961.037	411.84	465.272
	Calm_Fear	463.022	13.617	961.708	436.301	489.744
Go	Fear_Happy	461.464	13.606	959.047	434.763	488.165
	Calm_Happy	459.621	13.619	962.349	432.895	486.348
	Fear_Calm	454.763	13.597	957.441	428.08	481.447
	Happy_Calm	427.064	13.601	957.852	400.372	453.756

*Note.* N = 99. Marginal means were estimated assuming the mean value for continuous variables in the model: Sequential Block, M = 3.548, Sequential Trial, M = 24.825, Age (Years), M = 21.93, Number of Preceding Go Trials, M = 1.31.

## Supplemental Table 15

*Pairwise Comparisons for Interaction of Current Trial Type x Target – Distractor Combination in Mixed Linear Regression Predicting Reaction Time in Emotional Go-NoGo Task in Full Behavioral Sample (N = 99)*

Trial Type	Target-Distractor Combination	Target-Distractor Combination	Mean Difference (I-J)	SE	df	p	95% CI (Difference)	
							Lower	Upper
NoGo	Happy_Fear	Calm_Fear	-26.035*	7.568	4,514.070	0.001	-40.872	-11.199
		Fear_Happy	-13.650	7.459	4,418.113	0.067	-28.273	0.973
		Calm_Happy	-22.064*	7.482	4,246.615	0.003	-36.733	-7.394
		Fear_Calm	-45.627*	7.568	4,599.510	0.000	-60.464	-30.791
		Happy_Calm	6.024	8.103	5,733.878	0.457	-9.861	21.910
	Calm_Fear	Happy_Fear	26.035*	7.568	4,514.070	0.001	11.199	40.872
		Fear_Happy	12.385	7.505	4,444.076	0.099	-2.328	27.099
		Calm_Happy	3.972	7.500	4,202.264	0.596	-10.732	18.675
		Fear_Calm	-19.592*	7.610	4,625.086	0.010	-34.511	-4.673
		Happy_Calm	32.059*	8.136	5,758.520	0.000	16.109	48.009
Fear_Happy	Happy_Fear	Happy_Calm	13.650	7.459	4,418.113	0.067	-0.973	28.273
		Calm_Fear	-12.385	7.505	4,444.076	0.099	-27.099	2.328
		Calm_Happy	-8.414	7.407	4,182.129	0.256	-22.935	6.107
		Fear_Calm	-31.977*	7.496	4,559.156	0.000	-46.673	-17.281
		Happy_Calm	19.674*	8.045	5,659.021	0.014	3.903	35.445
	Calm_Happy	Happy_Fear	22.064*	7.482	4,246.615	0.003	7.394	36.733
		Calm_Fear	-3.972	7.500	4,202.264	0.596	-18.675	10.732
		Fear_Happy	8.414	7.407	4,182.129	0.256	-6.107	22.935
		Fear_Calm	-23.563*	7.515	4,368.118	0.002	-38.297	-8.830
		Happy_Calm						

Go	Fear_Calm	Happy_Calm	28.088*	8.066	5,454.990	0.001	12.276	43.900
		Happy_Fear	45.627*	7.568	4,599.510	0.000	30.791	60.464
		Calm_Fear	19.592*	7.610	4,625.086	0.010	4.673	34.511
		Fear_Happy	31.977*	7.496	4,559.156	0.000	17.281	46.673
		Calm_Happy	23.563*	7.515	4,368.118	0.002	8.830	38.297
	Happy_Calm	Happy_Calm	51.651*	8.152	5,868.813	0.000	35.671	67.631
		Happy_Fear	-6.024	8.103	5,733.878	0.457	-21.910	9.861
		Calm_Fear	-32.059*	8.136	5,758.520	0.000	-48.009	-16.109
		Fear_Happy	-19.674*	8.045	5,659.021	0.014	-35.445	-3.903
		Calm_Happy	-28.088*	8.066	5,454.990	0.001	-43.900	-12.276
Go	Happy_Fear	Fear_Calm	-51.651*	8.152	5,868.813	0.000	-67.631	-35.671
		Calm_Fear	-24.466*	4.152	472.573	0.000	-32.626	-16.306
		Fear_Happy	-22.908*	4.103	465.353	0.000	-30.970	-14.846
		Calm_Happy	-21.065*	4.177	475.490	0.000	-29.273	-12.857
		Fear_Calm	-16.207*	4.116	467.659	0.000	-24.295	-8.120
	Calm_Fear	Happy_Calm	11.492*	4.097	462.488	0.005	3.440	19.544
		Happy_Fear	24.466*	4.152	472.573	0.000	16.306	32.626
		Fear_Happy	1.558	4.141	474.852	0.707	-6.578	9.694
		Calm_Happy	3.401	4.212	481.728	0.420	-4.876	11.678
		Fear_Calm	8.259*	4.148	476.164	0.047	0.108	16.409
Fear_Happy	Happy_Calm	Happy_Calm	35.958*	4.130	472.584	0.000	27.843	44.073
		Happy_Fear	22.908*	4.103	465.353	0.000	14.846	30.970
		Calm_Fear	-1.558	4.141	474.852	0.707	-9.694	6.578
		Calm_Happy	1.843	4.158	478.419	0.658	-6.328	10.014
		Fear_Calm	6.701	4.090	469.806	0.102	-1.337	14.738
	Calm_Happy	Happy_Calm	34.400*	4.090	464.929	0.000	26.364	42.436
		Happy_Fear	21.065*	4.177	475.490	0.000	12.857	29.273
		Calm_Fear	-3.401	4.212	481.728	0.420	-11.678	4.876

	Fear_Happy	-1.843	4.158	478.419	0.658	-10.014	6.328
	Fear_Calm	4.858	4.166	479.696	0.244	-3.328	13.044
	Happy_Calm	32.557*	4.162	475.408	0.000	24.378	40.736
Fear_Calm	Happy_Fear	16.207*	4.116	467.659	0.000	8.120	24.295
	Calm_Fear	-8.259*	4.148	476.164	0.047	-16.409	-0.108
	Fear_Happy	-6.701	4.090	469.806	0.102	-14.738	1.337
	Calm_Happy	-4.858	4.166	479.696	0.244	-13.044	3.328
	Happy_Calm	27.699*	4.098	467.132	0.000	19.646	35.752
Happy_Calm	Happy_Fear	-11.492*	4.097	462.488	0.005	-19.544	-3.440
	Calm_Fear	-35.958*	4.130	472.584	0.000	-44.073	-27.843
	Fear_Happy	-34.400*	4.090	464.929	0.000	-42.436	-26.364
	Calm_Happy	-32.557*	4.162	475.408	0.000	-40.736	-24.378
	Fear_Calm	-27.699*	4.098	467.132	0.000	-35.752	-19.646

Note. Full behavioral sample (N = 99). \*  $p < .05$ .

IV

APPENDIX

## Appendix A

### Participant Consent Form

#### Research Purpose

To better understand the phenomena underlying decision processes and individual differences that may play a role. Research Information In this study, you will be asked to complete multiple decision-making tasks, along with several questions pertaining to the tasks. After the decision tasks, there will also be several tasks involving math problems. The study will last approximately 1 hour.

#### Risks

If you wish to discontinue your participation in this study at any time, you may stop without any penalty or loss of entitled compensation or other benefits to which you are entitled. A trained investigator is available at all times.

Exclusions If there is any reason why you cannot participate in this study, please do not sign the consent and notify the researcher immediately.

#### Benefits

By participating in this study, you will help advance the understanding of individual differences in decision-making tendencies. Benefits to you include the educational experience and familiarity with social sciences research methodology. Alternative The only alternative to participation in this study is not to participate, and you can withdraw from the study at any time.

#### Confidentiality

The research team will do everything within its power to maintain confidentiality of your records. However, you should be aware that such protection cannot be guaranteed. Agencies such as the Institutional Review Board (IRB) and regulatory authorities may inspect our records. In such a case, all information made available will be handled in confidence in accordance with data protection laws. Furthermore, you should be aware that any electronic contact with the researchers regarding your participation cannot be guaranteed as confidential due to the nature of e-mail and other internet-based contacts.

#### Research Related Injury

If you become hurt or become ill during the course of this study, you should contact the Principal Investigator on the number provided on the first page of this consent form. As there are no additional risks for participation in this study beyond what you are exposed to in everyday life, compensation for injury from participation in this research is not available. Any further information requested can be obtained from the IRB office. Compensation You may receive course credit for participating through SUSAN. There will be no other compensation.

## Additional Costs

There are no costs for participating in this study.

## Voluntary Participation Statement of Consent

By signing on the next page, I voluntarily agree to participate in this study. I have read through this consent form and fully understand all components and the nature of this study as well as my rights and responsibilities as a study participant. I have discussed the study with the researcher and have been given the opportunity to ask questions on matters in which I was unclear. I am satisfied with all explanations I have been given. I understand both the possible risks and benefits of participating in this study and understand the alternatives to participation. I understand that I do not have to participate and can withdraw at any time. Should I choose not to participate or withdraw for any reason, it will not affect my care or status with this investigator, research team, or Cornell University. I understand that I will receive and may keep a copy of this signed and dated consent form. By signing and dating this consent form, I have not waived any of the legal rights that I would have if I were not a participant in the study. Further Information If you participate you are welcome to join our data analysis meetings and discussions about the study that you have participated in. If you contact either of the investigators described on the first page, they will provide you with the details.

If you have questions or concerns about the study, you may contact Christina Chick at 603-540-8709 or [cfc53@cornell.edu](mailto:cfc53@cornell.edu). If you have any further questions, you may contact the Institutional Review Board (IRB) of Cornell University. The IRB is an organization designed to protect your rights as a subject and facilitate the research process. The IRB can be contacted at 607-255-5138, or you may access their website at <http://www.irb.cornell.edu>. You may also report your concerns or complaints anonymously through Ethicspoint or by calling toll free at 1-866-293-3077. Ethicspoint is an independent organization that serves as a liaison between the University and the person bringing the complaint so that anonymity can be ensured.

## Statement of Consent:

I have read the above information. I consent to take part in the study. Please select an option below:

- I am 18 years or older and I agree to participate in this study.
- I do not agree to participate in this study

[Note: This is the online version of the consent form. In the in-person version, participants and the researcher both provided their signatures and the date].

## Appendix B

### Script for fMRI Participants

#### **Cornell University Laboratory for Rational Decision-Making**

The Framing Effect and Dual Processing:

An fMRI and DTI Investigation

Post-Consent Pre-Test Script

Thank you for participating in our study. Today we are going to study your brain while you make simple decisions about hypothetical scenarios. You will be asked to decide between two options by responding on your keyboard. Before each decision, you will read a description of a scenario. You will then see two options, A and B. If you wish to choose the first option, A, hit the '2' button with the index finger of your right hand. However, if you wish to choose the second option, B, hit the '3' button with the middle finger of your right hand.

Please note that the probabilities and numbers presented are EXACT. For example, a statement of "10 for sure" means that it is CERTAIN that it will be 10, without variance. This means that it CANNOT be 9 and it CANNOT be 11. Also, if the option specifies a probability, the chance of an event occurring will be solely the probability that is indicated.

Please answer every single question. Note that you will have a LIMITED amount of time to select your option. Please do your best to make a decision in the allotted time frame. There are no "right" answers. Please make the decisions that you feel are best. Before we begin the experiment, we will give you the chance to do a trial run and see what the task will be like. After that, you can ask any questions that you have.

After the practice, we will take you to the scanning room. There, the technician will get you ready to enter the exam room. We will go through two sets of decisions, each about 10 minutes, where you will make decisions in the MRI by pushing buttons on a keypad. These two sets will be "for real." Unlike the practice run, they will count for our data, so please make sure to answer every question in the allotted time.

The fMRI and DTI machine will make loud beeping and clicking noises during the imaging process. This is completely normal, and you will be given ear protection to reduce the noise. Rarely, the volume can be startling and unexpected, particularly for those with hearing sensitivity. If this is the case for you, notify us so that the technicians can intervene. We want you to be as comfortable as possible. You will have an intercom to communicate with us and the technician whenever you need.

During your ENTIRE time in the scanner, it is ESSENTIAL that you stay as still as possible. We are mapping changes in brain activity at very precise locations, so if you move at all, it will throw off our map. Even head movement as little as 2mm can make our data completely unusable. After you have completed the two sets of decisions, we will do a structural scan of your brain. You do not have to do anything during this scan except continue to stay VERY still in the same position that you were in while making the decisions. It is important that you not

move, even BETWEEN sets of decisions or BETWEEN the decision portion and the structural scan.

Thank you once again. Do you have any questions?

## Appendix C

### Written Instructions for fMRI Participants

Hello, welcome to our study.

In this study, we are interested in how people make decisions. There will be questions directly regarding public policies and other questions that will help us understand how people make choices. There will be questions about disease prevention programs, disease treatment programs, environmental conservation programs, gambling, etc. You will be given two options for each question: Choice A and B. You can choose only one choice.

Here are some example problems.

#### Sample Problem #1

A boat with 1,000 people is lost in the middle of the ocean. There is not enough food left on the boat. A captain suggested two rescue programs. Please indicate which program you prefer.

A: 500 people saved for sure.

B:  $\frac{1}{2}$  probability no one saved.

For Option A, the number given is the exact number of people that will be saved. In other words, there is no probability that less than 500 people will be saved and no probability that more than 500 people will be saved. If you select option A, exactly 500 people will be saved; no less, no more.

Option B means that there is  $\frac{1}{2}$  probability (50% chance) that all 1,000 people will be saved and there is  $\frac{1}{2}$  probability (50% chance) that no people will be saved. All probabilities in Option B are complementary and add up to 100%.

#### Sample Problem #2

The massive oil spill in ocean is expected to kill 500 turtles. Please indicate which of following conservation program you prefer.

A: 200 turtles saved for sure.

B:  $\frac{2}{5}$  probability 500 turtles saved and  $\frac{3}{5}$  probability no turtles saved.

Again, let us explain what those options mean.

For Option A, the number given is the exact number of turtles that will be saved. In other words, there is no probability that less than 200 turtles will be saved and no probability that more than 200 turtles will be saved. If you select option A, exactly 200 turtles will be saved; no less, no more.

Option B means that there is  $\frac{2}{5}$  probability (40% chance) that all 500 turtles will be saved and

there is  $\frac{3}{5}$  probability (60% chance) that no turtles will be saved. All probabilities in Option B are complementary and add up to 100%. There are no right or wrong answers, but for some problems, one option might be better than another. Please do your best!  
Use right index finger to press the “2” key to choose option A, and  
use third right finger to press the “3” key to choose option B.

## Appendix D

### Pre-Framing Ambiguity Questionnaire

Entry Questionnaire: Please answer the following questions in order.

**A boat with 500 people has a hole in it and will inevitably sink. You have a choice between two options.**

**A: 300 people saved for sure.**

**B: 3/5 probability that everyone will be saved.**

When you made the decision, what did you assume about the other 2/5 probability in option B?

When you made the decision, did you assume that more than 300 people would be saved in option A? (Yes/No)

When you made the decision, which of the following did you assume about option A? (Circle as many as apply).

- (a) Exactly 300 people would be saved.
- (b) At least 300 people would be saved.
- (c) Some of the other 200 might be saved, as well.

When you made the decision, which of the following did you assume about option B? (Circle as many as apply).

- (a) There is a 2/5 probability that some people will be saved.
- (b) There is a 2/5 probability that everyone will be saved.
- (c) There is a 2/5 probability that no one will be saved.

## Appendix E

### Additional Ambiguity Instructions

Hello, welcome to our study. You will be asked questions about disease prevention programs, environmental conservation programs, gambling, etc. You will be given two options for each question: A or B. You can select only one choice. Click next for some examples.

Sample Problem #1 A boat with 1,000 people is stranded in the middle of the ocean. There is not enough food left on the boat. A captain suggests two rescue programs. Please indicate which program you prefer. A: 500 people saved for sure. B:  $\frac{1}{2}$  probability no one saved.

For Option A, the number given is the EXACT number of people that will be saved--no fewer, no more. Option B means that there is  $\frac{1}{2}$  probability (50% chance) that ALL 1,000 people will be saved and  $\frac{1}{2}$  probability (50% chance) that NO people will be saved. All probabilities in Option B are complementary and add up to 100%.

Sample Problem #2 A massive oil spill in the ocean is expected to kill 500 turtles. Please indicate which of the following conservation program you prefer. A: 200 turtles saved for sure. B:  $\frac{2}{5}$  probability 500 turtles saved and  $\frac{3}{5}$  probability no turtles saved.

For Option A, the number given is the EXACT number of turtles that will be saved. There is NO probability that fewer than 200 turtles will be saved and NO probability that more than 200 turtles will be saved. Option B means that there is  $\frac{2}{5}$  probability (40% chance) that ALL 500 turtles will be saved and  $\frac{3}{5}$  probability (60% chance) that NO turtles will be saved. All probabilities in Option B are complementary and add up to 100%.

The following questions will assess your understanding of the previous instructions.

A boat with 500 people has a hole in it and will inevitably sink. You have a choice between two options. You have a choice between two options:

- A: 200 people die for sure. (1)
- B:  $\frac{2}{5}$  probability that 500 people will die. (2)

When you made the decision, what did you assume about the other  $\frac{3}{5}$  probability in option B?

When you made the decision, did you assume that more than 200 people would die in option A?

- Yes (1)
- No (2)

When you made the decision, which of the following did you assume about option A? (Select as many as apply).

- (a) Exactly 200 people would die. (1)
- (b) At least 200 people would die. (2)
- (c) Some of the other 200 might die, as well. (3)

When you made the decision, which of the following did you assume about option B? (Select as many as apply).

- (a) There is a  $3/5$  probability that some people will die. (1)
- (b) There is a  $3/5$  probability that everyone will die. (2)
- (c) There is a  $3/5$  probability that no one will die. (3)

When we give you the option of: A: 200 people die for sure We mean that in option A exactly 200 people die. No fewer, and no more. These 200 people will be the only ones that die. No others could die, now or in the future.

For the other option: B:  $2/5$  probability that 500 people will die We mean that option B has a  $2/5$  probability that EVERYONE (all 500 people at risk) will die. If you select option B, that also means that there is a probability that NO ONE would die.

The correct response to our first question, “what did you assume about the other  $3/5$  probability in option B,” is: The  $3/5$  probability indicates that NO ONE will die. Common mistakes include “some might die,” “some could die,” and “they will swim to shore.” These are all incorrect. We don’t want you to assume anything outside of the information that is given to you. Therefore, if we specify that there is a probability that EVERYONE will die, if that does not happen, then NO ONE will die. Similarly, if we specify that there is a probability that NO ONE will die, if that does not happen, then EVERYONE will die.

The correct response to our second question, “did you assume that more than 200 people would die in option A,” is: NO. The correct response to our third question, “which of the following did you assume about option A,” is: A: Exactly 200 people would die. There is no way that more than 200 people, or less for that matter, could die in option A. We are not trying to trick you, so we don’t want you to make assumptions.

The correct response to our final question, “which of the following did you assume about option B,” is: C: There is a  $3/5$  probability that no one will die. If the  $2/5$  probability that everyone will die does not happen, then there is a  $3/5$  probability that NO ONE will die. Given the  $3/5$  probability, it is not possible that 1 person will die, or 2 people will die. No one will die.

## Appendix F

### Timing and Response Instructions for Framing Stimuli

The following pages will progress automatically, so there is no need to click the "Next" button. You will see a description of a scenario. Then you will see two choices: A and B. To select a choice, click on A or B.

After you make the choice, you will be asked to rate your confidence. For lowest confidence, select '1.' For highest confidence, select '5.'

How confident are you in your decision?

- 1: Not at all (1)
- 2 (2)
- 3 (3)
- 4 (4)
- 5: Completely (5)

Now we will try a sample question.

The White House is located in:

- A: New York City (1)
- B: Washington D.C. (2)

If you don't answer in a certain amount of time, the 'choice' screen will automatically move on. To sense how much time you have, DO NOT answer the next question.

Tea is made from:(Do not answer so that you can sense the timing)

- A: Leaves (1)
- B: Cocoa Beans (2)

We are ready to begin! Please answer EVERY SINGLE question. Remember, you have LIMITED TIME to answer each question. Click "Next" to begin.

## Appendix G

### Framing Stimuli, Set A

**V1 Loss:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 400 people die for sure.

B: 2/3 probability 600 people die.

**M1 Loss:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 400 people die for sure.

B: 2/3 probability 600 people die and 1/3 probability no one dies.

**G1 Loss:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 400 people die for sure.

B: 1/3 probability no one dies.

**V2 Gain:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Win 250 dollars for sure.

B: 25% chance you win 1,000 dollars.

**M2 Gain:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Win 250 dollars for sure.

B: A 25% chance you win 1,000 dollars and a 75% chance you win nothing.

**G2 Gain:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Win 250 dollars for sure.

B: 75% chance you win nothing.

**V3 Loss:** You agree to test a new casino game in which 45 is at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B: 1/3 probability you lose 45 dollars.

**M3 Loss:** You agree to test a new casino game in which 45 dollars is at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B:  $1/3$  probability you lose 45 dollars and  $2/3$  probability you lose nothing.

**G3 Loss:** You agree to test a new casino game in which 45 dollars is at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B:  $2/3$  probability you lose nothing.

**V4 Gain:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B: 30% chance 1,000 people saved.

**M4 Gain:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B: 30% chance 1,000 people saved and 70% chance no one saved.

**G4 Gain:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B: 70% chance no one saved.

**V5 Loss:** You are playing a game where you have a chance to win or lose money, with 20 dollars at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B:  $3/4$  probability you lose 20 dollars.

**M5 Loss:** You are playing a game where you have a chance to win or lose money, with 20 dollars at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B:  $3/4$  probability you lose 20 dollars and  $1/4$  probability you lose nothing.

**G5 Loss:** You are playing a game where you have a chance to win or lose money, with 20 dollars at stake. Indicate the option you prefer.

A: Lose 15 dollars for sure.

B: 1/4 probability you lose nothing.

**V6 Gain:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 600 people saved for sure.

B: 40% chance 1,500 people saved.

**M6 Gain:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 600 people saved for sure.

B: 40% chance 1,500 people saved and 60% chance no one saved.

**G6 Gain:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 600 people saved for sure.

B: 60% chance no one saved.

**V7 Gain:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 4,200 jobs saved for sure.

B: 35% chance 12,000 jobs saved.

**M7 Gain:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 4,200 jobs saved for sure.

B: 35% chance 12,000 jobs saved and 65% chance no jobs saved.

**G7 Gain:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 4,200 jobs saved for sure.

B: 65% chance no jobs saved.

**V8 Gain:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 4,000 acres saved for sure.

B: 2/5 probability 10,000 acres saved.

**M8 Gain:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 4,000 acres saved for sure.

B:  $\frac{2}{5}$  probability 10,000 acres saved and  $\frac{3}{5}$  probability no acres saved.

**G8 Gain:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 4,000 acres saved for sure.

B:  $\frac{3}{5}$  probability no acres saved.

**V9 Loss:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 1,500 people die for sure.

B:  $\frac{3}{4}$  probability 2,000 people die.

**M9 Loss:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 1,500 people die for sure.

B:  $\frac{3}{4}$  probability 2,000 people die and  $\frac{1}{4}$  probability no one dies.

**G9 Loss:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 1,500 people die for sure.

B:  $\frac{1}{4}$  probability no one dies.

**V10 Gain:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B:  $\frac{1}{3}$  probability 900 people saved.

**M10 Gain:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B:  $\frac{1}{3}$  probability 900 people saved and  $\frac{2}{3}$  probability no one saved.

**G10 Gain:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 300 people saved for sure.

B:  $\frac{2}{3}$  probability no one saved.

**V11 Loss:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people die for sure.

B: 1/2 probability 1,200 people die.

**M11 Loss:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people die for sure.

B: 1/2 probability 1,200 people die and 1/2 probability no one dies.

**G11 Loss:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people die for sure.

B: 1/2 probability no one dies.

**V12 Loss:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 2,000 people die for sure.

B: 2/3 probability 3,000 people die.

**M12 Loss:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 2,000 people die for sure.

B: 2/3 probability 3,000 people die and 1/3 probability no one dies.

**G12 Loss:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 2,000 people die for sure.

B: 1/3 probability no one dies.

**V13 Loss:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs you prefer.

A: 175 species die out for sure.

B: 7/12 probability 300 species die out.

**M13 Loss:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs you prefer.

A: 175 species die out for sure.

B:  $7/12$  probability 300 species die out and  $5/12$  probability no species die out.

**G13 Loss:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs you prefer.

A: 175 species die out for sure.

B:  $5/12$  probability no species die out.

**V14 Gain:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and win 200 dollars for sure.

B: Answer, with  $2/5$  probability of winning 500 dollars.

**M14 Gain:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and win 200 dollars for sure.

B: Answer, with  $2/5$  probability of winning 500 dollars and  $3/5$  probability of winning nothing.

**G14 Gain:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and win 200 dollars for sure.

B: Answer, with  $3/5$  probability of winning nothing.

**V15 Loss:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Lose 120 dollars for sure.

B:  $3/4$  probability you lose 160 dollars.

**M15 Loss:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Lose 120 dollars for sure.

B:  $3/4$  probability you lose 160 dollars and  $1/4$  probability you lose nothing.

**G15 Loss:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Lose 120 dollars for sure.

B:  $1/4$  probability you lose nothing.

**V16 Loss:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Lose 45 dollars for sure.  
B:  $3/5$  probability you lose 75 dollars.

**M16 Loss:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Lose 45 dollars for sure.  
B:  $3/5$  probability you lose 75 dollars and  $2/5$  probability you lose nothing.

**G16 Loss:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Lose 45 dollars for sure.  
B:  $2/5$  probability you lose nothing.

**V17 Loss:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Lose 50 dollars for sure.  
B:  $5/8$  probability you lose 80 dollars.

**M17 Loss:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Lose 50 dollars for sure.  
B:  $5/8$  probability you lose 80 dollars and  $3/8$  probability you lose nothing.

**G17 Loss:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Lose 50 dollars for sure.  
B:  $3/8$  probability you lose nothing.

**V18 Gain:** You are playing a slot machine with two levers. 40 dollars is at stake. Please indicate which lever you will pull.

A: Win 10 dollars for sure.  
B: 25% chance you win 40 dollars.

**M18 Gain:** You are playing a slot machine with two levers. 40 dollars is at stake. Please indicate which lever you will pull.

A: Win 10 dollars for sure.  
B: 25% chance you win 40 dollars and 75% chance you win nothing.

**G18 Gain:** You are playing a slot machine with two levers. 40 dollars is at stake. Please indicate which lever you will pull.

A: Win 10 dollars for sure.

B: 75% chance you win nothing.

**V19 Gain:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Win 200 dollars for sure.

B: 50% chance you win 400 dollars.

**M19 Gain:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Win 200 dollars for sure.

B: 50% chance you win 400 dollars and 50% chance you win nothing.

**G19 Gain:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Win 200 dollars for sure.

B: 50% chance you win nothing.

**V20 Gain:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Win 60 dollars for sure.

B: 1/5 probability you win 300 dollars.

**M20 Gain:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Win 60 dollars for sure.

B: 1/5 probability you win 300 dollars and 4/5 probability you win nothing.

**G20 Gain:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Win 60 dollars for sure.

B: 4/5 probability you win nothing.

## Appendix H

### Framing Stimuli, Set B

**V1 Gain:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 200 people saved for sure.

B: 1/3 probability 600 people saved.

**M1 Gain:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 200 people saved for sure.

B: 1/3 probability 600 people saved and 2/3 probability no one saved.

**G1 Gain:** Imagine the U.S. is preparing for the outbreak of an unusual Asian disease, which is expected to kill 600 people. Please indicate which option you prefer.

A: 200 people saved for sure.

B: 2/3 probability no one saved.

**V2 Loss:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Lose 750 dollars for sure.

B: 75% chance you lose 1,000 dollars.

**M2 Loss:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Lose 750 dollars for sure.

B: 75% chance you lose 1,000 dollars and 25% chance you lose nothing.

**G2 Loss:** Imagine you are on a game show and have accumulated 1,000 dollars that is now at stake. You have two choices.

A: Lose 750 dollars for sure.

B: 25% chance you lose nothing.

**V3 Gain:** You agree to test a new casino game in which 45 dollars are at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.

B: 2/3 probability you win 45 dollars.

**M3 Gain:** You agree to test a new casino game in which 45 dollars are at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.

B:  $\frac{2}{3}$  probability you win 45 dollars and  $\frac{1}{3}$  probability you win nothing.

**G3 Gain:** You agree to test a new casino game in which 45 dollars are at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.

B:  $\frac{1}{3}$  probability you win nothing.

**V4 Loss:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 700 people die for sure.

B: 70% chance 1,000 people die.

**M4 Loss:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 700 people die for sure.

B: 70% chance 1,000 people die and 30% chance nobody dies.

**G4 Loss:** 1,000 people are expected to die from a disease. You have a choice between two programs to combat the disease.

A: 700 people die for sure.

B: 30% chance nobody dies.

**V5 Gain:** You are playing a game where you have a chance to win or lose money, with 20 dollars at stake. Indicate the option you prefer.

A: Win 5 dollars for sure.

B:  $\frac{1}{4}$  probability you win 20 dollars.

**M5 Gain:** You are playing a game where you have a chance to win or lose money with 20 dollars at stake. Indicate the option you prefer.

A: Win 5 dollars for sure.

B:  $\frac{1}{4}$  probability you win 20 dollars and  $\frac{3}{4}$  probability you win nothing.

**G5 Gain:** You are playing a game where you have a chance to win or lose money, with 20 dollars at stake. Indicate the option you prefer.

A: Win 5 dollars for sure.

B: 3/4 probability you win nothing.

**V6 Loss:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 900 people die for sure.

B: 60% chance 1,500 people die.

**M6 Loss:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 900 people die for sure.

B: 60% chance 1,500 people die and 40% chance no one dies.

**G6 Loss:** Imagine that a new strain of AIDS is expected to kill 1,500 people this year. You have a choice between two drug trials.

A: 900 people die for sure.

B: 40% chance no one dies.

**V7 Loss:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 7,800 jobs lost for sure.

B: 65% chance 12,000 jobs lost.

**M7 Loss:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 7,800 jobs lost for sure.

B: 65% chance 12,000 jobs lost and 35% chance no jobs lost.

**G7 Loss:** A large car manufacturer is in serious economic difficulty, and 12,000 jobs are at stake. You must choose between two programs to help save the jobs.

A: 7,800 jobs lost for sure.

B: 35% chance no jobs lost.

**V8 Loss:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 6,000 acres destroyed for sure.

B: 3/5 probability 10,000 acres destroyed.

**M8 Loss:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 6,000 acres destroyed for sure.

B:  $\frac{3}{5}$  probability 10,000 acres destroyed and  $\frac{2}{5}$  probability no acres destroyed.

**G8 Loss:** Pollution is destroying a 10,000-acre rainforest. You have a choice between two conservation programs.

A: 6,000 acres destroyed for sure.

B:  $\frac{2}{5}$  probability no acres destroyed.

**V9 Gain:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 500 people saved for sure.

B:  $\frac{1}{4}$  probability 2,000 people saved.

**M9 Gain:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 500 people saved for sure.

B:  $\frac{1}{4}$  probability 2,000 people saved and  $\frac{3}{4}$  probability no one saved.

**G9 Gain:** A hurricane is expected to hit a major city and kill 2,000 people. City planners have proposed two evacuation procedures; you must choose one.

A: 500 people saved for sure.

B:  $\frac{3}{4}$  probability no one saved.

**V10 Loss:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 600 people die for sure.

B:  $\frac{2}{3}$  probability 900 people die.

**M10 Loss:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 600 people die for sure.

B:  $\frac{2}{3}$  probability 900 people die and  $\frac{1}{3}$  probability no one dies.

**G10 Loss:** Spinach products contaminated with a deadly strain of *E. coli* are expected to kill 900 people. You have a choice between two programs to combat the disease.

A: 600 people die for sure.

B:  $\frac{1}{3}$  probability no one dies.

**V11 Gain:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people saved for sure.

B: 1/2 probability 1,200 people saved.

**M11 Gain:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people saved for sure.

B: 1/2 probability 1,200 people saved and 1/2 probability no one saved.

**G11 Gain:** Imagine a tsunami is expected to hit a major city and kill 1,200 people. Government officials have asked you to decide between two evacuation programs.

A: 600 people saved for sure.

B: 1/2 probability no one saved.

**V12 Gain:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 1,000 people saved for sure.

B: 1/3 probability 3,000 people saved.

**M12 Gain:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 1,000 people saved for sure.

B: 1/3 probability 3,000 people saved and 2/3 probability no one saved.

**G12 Gain:** A lake that supplies water to a large city is expected to dry up, resulting in 3,000 human deaths. You must choose between two resource management programs.

A: 1,000 people saved for sure.

B: 2/3 probability no one saved.

**V13 Gain:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs you prefer.

A: 125 species saved for sure.

B: 5/12 probability 300 species will be saved.

**M13 Gain:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs you prefer.

A: 125 species saved for sure.

B:  $5/12$  probability 300 species saved and  $7/12$  probability no species saved.

**G13 Gain:** Poor waste management is expected to kill 300 species of fish in a large lake. Please indicate which of the following conservation programs do you prefer.

A: 125 species saved for sure.

B:  $7/12$  probability no species will be saved.

**V14 Loss:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and lose 300 dollars for sure.

B: Answer, with  $3/5$  probability of losing 500 dollars.

**M14 Loss:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and lose 300 dollars for sure.

B: Answer, with  $3/5$  probability of losing 500 dollars and  $2/5$  probability of losing nothing.

**G14 Loss:** Imagine you are on a game show where you earn money by correctly answering questions. You have 500 dollars at stake and have one question remaining.

A: Do not answer and lose 300 dollars for sure.

B: Answer, with  $2/5$  probability of losing nothing.

**V15 Gain:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Win 40 for sure.

B:  $1/4$  probability you win 160 dollars.

**M15 Gain:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Win 40 dollars for sure.

B:  $1/4$  probability you win 160 dollars and  $3/4$  probability you win nothing.

**G15 Gain:** Imagine you are on a trip to Las Vegas. As part of the casino's welcome program, the concierge offers you two options with 160 dollars at stake.

A: Win 40 dollars for sure.

B:  $3/4$  probability you win nothing.

**V16 Gain:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $2/5$  probability you win 75 dollars.

**M16 Gain:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $2/5$  probability you win 75 dollars and  $3/5$  probability you win nothing.

**G16 Gain:** As part of a consumer behavior study, you are given a chance to play a game with two options and 75 dollars at stake. Indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $3/5$  probability you win nothing.

**V17 Gain:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $3/8$  probability you win 80 dollars.

**M17 Gain:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $3/8$  probability you win 80 dollars and  $5/8$  probability you win nothing.

**G17 Gain:** While walking down the street, you run into a friend who gets you to play a game for money, with 80 dollars at stake. Please indicate the option you prefer.

A: Win 30 dollars for sure.  
B:  $5/8$  probability you win nothing.

**V18 Loss:** You are playing a slot machine with two levers. With 40 dollars at stake, please indicate which lever you will pull.

A: Lose 30 dollars for sure.  
B: 75% chance you lose 40 dollars.

**M18 Loss:** You are playing a slot machine with two levers. With 40 dollars at stake, please indicate which lever you will pull.

A: Lose 30 dollars for sure.  
B: 75% chance you lose 40 dollars and 25% chance you lose nothing.

**G18 Loss:** You are playing a slot machine with two levers. With 40 dollars at stake, please indicate which lever you will pull.

A: Lose 30 dollars for sure.

B: 25% chance you lose nothing.

**V19 Loss:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Lose 200 dollars for sure.

B: 50% chance you lose 400 dollars.

**M19 Loss:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Lose 200 dollars for sure.

B: 50% chance you lose 400 dollars and 50% chance you lose nothing.

**G19 Loss:** While walking the boardwalk of Atlantic City, you decide to play a casino game where 400 dollars are at stake. The dealer gives you two options.

A: Lose 200 dollars for sure.

B: 50% chance you lose nothing.

**V20 Loss:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Lose 240 dollars for sure.

B: 4/5 probability you lose 300 dollars.

**M20 Loss:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Lose 240 dollars for sure.

B: 4/5 probability you lose 300 dollars and 1/5 probability you lose nothing.

**G20 Loss:** You are playing a computer game that lets you gamble for money. 300 dollars are on the line. Please indicate the option you prefer.

A: Lose 240 dollars for sure.

B: 1/5 probability you lose nothing.

## Appendix I

Correlations among framing measures

N = 99

(Full behavioral sample)

		1	2	3	4	5	6	7	8	9	10	11	12	13
1	Age (Years)	1	.195	.216*	.214*	.172	.193	.214*	.189	.151	.130	.100	.099	.110
2	Gender (0 = female)	.195	1	.087	.112	.027	.043	.123	.146	.156	.144	.180	.164	.101
3	Risky Choices	.216*	.087	1	.976**	.883**	.857**	.873**	.859**	.900**	.871**	.750**	.750**	.814**
4	Signed Confidence	.214*	.112	.976**	1	.842**	.868**	.872**	.890**	.892**	.905**	.743**	.774**	.807**
5	Lives Risky Choices	.172	.027	.883**	.842**	1	.962**	.544**	.537**	.779**	.727**	.635**	.627**	.761**
6	Lives Signed Confidence	.193	.043	.857**	.868**	.962**	1	.537**	.546**	.763**	.749**	.616**	.643**	.750**
7	Money Risky Choices	.214*	.123	.873**	.872**	.544**	.537**	1	.980**	.807**	.806**	.682**	.690**	.674**
8	Money Signed Confidence	.189	.146	.859**	.890**	.537**	.546**	.980**	1	.807**	.840**	.686**	.714**	.676**
9	Gain Risky Choices	.151	.156	.900**	.892**	.779**	.763**	.807**	.807**	1	.970**	.845**	.841**	.898**
10	Gain Signed Confidence	.130	.144	.871**	.905**	.727**	.749**	.806**	.840**	.970**	1	.810**	.848**	.873**
11	Zero Complement Presented Gain Risky Choices	.100	.180	.750**	.743**	.635**	.616**	.682**	.686**	.845**	.810**	1	.969**	.652**
12	Zero Complement Presented Gain Signed Confidence	.099	.164	.750**	.774**	.627**	.643**	.690**	.714**	.841**	.848**	.969**	1	.664**
13	Both Complements Presented Gain Risky Choices	.110	.101	.814**	.807**	.761**	.750**	.674**	.676**	.898**	.873**	.652**	.664**	1
14	Both Complements Presented Gain Signed Confidence	.120	.093	.809**	.831**	.741**	.764**	.688**	.704**	.888**	.899**	.635**	.676**	.977**
15	Nonzero Complement Presented Gain Risky Choices	.182	.130	.788**	.781**	.639**	.626**	.753**	.747**	.872**	.853**	.582**	.586**	.686**
16	Nonzero Complement Presented Gain Signed Confidence	.123	.126	.742**	.785**	.564**	.582**	.746**	.791**	.836**	.891**	.575**	.603**	.672**
17	Gain Lives Risky Choices	.147	.096	.772**	.742**	.896**	.872**	.459**	.455**	.841**	.779**	.711**	.690**	.802**
18	Gain Lives Signed Confidence	.151	.056	.755**	.765**	.868**	.901**	.457**	.467**	.822**	.809**	.678**	.704**	.789**
19	Zero Complement Presented Gain Lives Risky Choices	.110	.147	.624**	.607**	.700**	.679**	.392**	.400**	.682**	.634**	.845**	.796**	.561**
20	Zero Complement Presented Gain Lives Signed Confidence	.112	.115	.655**	.672**	.725**	.757**	.420**	.437**	.704**	.698**	.827**	.845**	.597**
21	Both Complements Presented Gain Lives Risky Choices	.138	.074	.657**	.630**	.808**	.786**	.340**	.342**	.726**	.671**	.535**	.532**	.845**
22	Both Complements Presented Gain Lives Signed Confidence	.179	.038	.653**	.661**	.793**	.821**	.352**	.364**	.717**	.702**	.510**	.537**	.830**

		1	2	3	4	5	6	7	8	9	10	11	12	13
23	Nonzero Complement Presented Gain Lives Risky Choices	.125	.031	.686**	.656**	.771**	.752**	.442**	.424**	.735**	.681**	.466**	.460**	.621**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.098	.002	.660**	.662**	.741**	.766**	.424**	.421**	.721**	.708**	.458**	.483**	.615**
25	Gain Money Risky Choices	.107	.167	.744**	.760**	.417**	.414**	.898**	.902**	.843**	.855**	.713**	.726**	.710**
26	Gain Money Signed Confidence	.076	.176	.717**	.761**	.402**	.408**	.865**	.909**	.816**	.872**	.688**	.724**	.692**
27	Zero Complement Presented Gain Money Risky Choices	.060	.159	.648**	.653**	.381**	.369**	.761**	.761**	.751**	.740**	.852**	.848**	.545**
28	Zero Complement Presented Gain Money Signed Confidence	.061	.165	.639**	.662**	.374**	.371**	.752**	.775**	.743**	.760**	.843**	.877**	.549**
29	Both Complements Presented Gain Money Risky Choices	.040	.095	.696**	.712**	.439**	.444**	.798**	.798**	.765**	.783**	.547**	.572**	.813**
30	Both Complements Presented Gain Money Signed Confidence	.022	.119	.706**	.734**	.452**	.463**	.804**	.819**	.775**	.808**	.557**	.598**	.811**
31	Nonzero Complement Presented Gain Money Risky Choices	.175	.184	.610**	.630**	.280**	.278**	.797**	.806**	.699**	.723**	.491**	.505**	.507**
32	Nonzero Complement Presented Gain Money Signed Confidence	.103	.173	.573**	.630**	.271**	.279**	.739**	.804**	.661**	.746**	.481**	.503**	.507**
33	Loss Risky Choices	.238*	.016	.932**	.898**	.836**	.805**	.797**	.772**	.681**	.655**	.558**	.561**	.621**
34	Loss Signed Confidence	.256*	.063	.910**	.921**	.807**	.832**	.788**	.788**	.673**	.668**	.558**	.578**	.613**
35	Zero Complement Presented Loss Risky Choices	.270**	-.120	.808**	.787**	.705**	.693**	.719**	.694**	.604**	.588**	.410**	.408**	.556**
36	Zero Complement Presented Loss Signed Confidence	.281**	-.068	.794**	.809**	.690**	.719**	.708**	.706**	.597**	.595**	.419**	.425**	.542**
37	Both Complements Presented Loss Risky Choices	.184	.038	.860**	.821**	.762**	.728**	.736**	.708**	.623**	.599**	.528**	.535**	.584**
38	Both Complements Presented Loss Signed Confidence	.204*	.085	.865**	.876**	.764**	.793**	.747**	.745**	.639**	.636**	.535**	.563**	.610**
39	Nonzero Complement Presented Loss Risky Choices	.200*	.101	.858**	.827**	.794**	.760**	.711**	.696**	.620**	.593**	.561**	.564**	.548**
40	Nonzero Complement Presented Loss Signed Confidence	.228*	.137	.847**	.853**	.766**	.778**	.719**	.722**	.618**	.610**	.572**	.591**	.539**
41	Loss Lives Risky Choices	.165	-.036	.833**	.790**	.926**	.882**	.529**	.519**	.599**	.565**	.467**	.471**	.602**
42	Loss Lives Signed Confidence	.198*	.024	.806**	.816**	.888**	.924**	.520**	.527**	.587**	.575**	.461**	.485**	.592**

		1	2	3	4	5	6	7	8	9	10	11	12	13
43	Zero Complement Presented Loss Lives Risky Choices	.235*	-.120	.734**	.688**	.786**	.747**	.505**	.479**	.557**	.515**	.366**	.347**	.556**
44	Zero Complement Presented Loss Lives Signed Confidence	.230*	-.076	.731**	.728**	.782**	.799**	.503**	.497**	.561**	.541**	.373**	.372**	.548**
45	Both Complements Presented Loss Lives Risky Choices	.087	.027	.761**	.718**	.848**	.808**	.472**	.461**	.551**	.518**	.423**	.437**	.569**
46	Both Complements Presented Loss Lives Signed Confidence	.152	.101	.739**	.758**	.809**	.860**	.478**	.484**	.540**	.532**	.422**	.458**	.577**
47	Nonzero Complement Presented Loss Lives Risky Choices	.124	-.021	.709**	.681**	.809**	.774**	.434**	.442**	.484**	.464**	.439**	.450**	.473**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.159	.014	.692**	.703**	.790**	.815**	.423**	.441**	.479**	.473**	.435**	.459**	.467**
49	Loss Money Risky Choices	.274**	.061	.836**	.820**	.564**	.555**	.915**	.877**	.629**	.617**	.532**	.534**	.520**
50	Loss Money Signed Confidence	.272**	.085	.837**	.847**	.573**	.583**	.905**	.895**	.634**	.636**	.546**	.558**	.522**
51	Zero Complement Presented Loss Money Risky Choices	.241*	-.090	.685**	.698**	.434**	.456**	.777**	.759**	.504**	.520**	.355**	.373**	.414**
52	Zero Complement Presented Loss Money Signed Confidence	.268**	-.045	.680**	.709**	.446**	.480**	.753**	.756**	.499**	.517**	.372**	.383**	.415**
53	Both Complements Presented Loss Money Risky Choices	.246*	.029	.748**	.724**	.485**	.467**	.836**	.793**	.555**	.544**	.501**	.497**	.476**
54	Both Complements Presented Loss Money Signed Confidence	.214*	.041	.786**	.788**	.532**	.531**	.856**	.843**	.596**	.597**	.521**	.534**	.511**
55	Nonzero Complement Presented Loss Money Risky Choices	.243*	.208*	.804**	.776**	.584**	.560**	.837**	.798**	.616**	.585**	.553**	.547**	.490**
56	Nonzero Complement Presented Loss Money Signed Confidence	.256*	.224*	.802**	.801**	.571**	.569**	.844**	.830**	.616**	.604**	.576**	.586**	.482**
57	Framing Index	.150	-.152	.242*	.206*	.249*	.226*	.166	.133	-.204*	-.205*	-.196	-.187	-.170
58	Signed Confidence Framing Index	.175	-.087	.149	.125	.185	.191	.068	.029	-.270**	-.310**	-.230*	-.248*	-.232*
59	Zero Complement Presented Framing Index	-.160	.226*	-.016	-.023	-.038	-.068	.006	.021	.240*	.216*	.466**	.447**	.131
60	Zero Complement Presented Signed Confidence Framing Index	.175	-.215*	.062	.054	.077	.089	.035	.012	-.208*	-.216*	-.494**	-.517**	-.098
61	Both Complements Presented Framing Index	-.111	.066	-.181	-.142	-.119	-.090	-.185	-.148	.184	.188	.049	.054	.334**
62	Both Complements Presented Signed Confidence Framing Index	.119	.003	.182	.173	.133	.143	.169	.149	-.178	-.193	-.032	-.041	-.309**

		1	2	3	4	5	6	7	8	9	10	11	12	13
63	Nonzero Complement Presented Framing Index	-.069	.011	-.239*	-.208*	-.324**	-.298**	-.090	-.076	.097	.114	-.094	-.094	.012
64	Nonzero Complement Presented Signed Confidence Framing Index	.102	.011	.099	.064	.194	.189	-.029	-.070	-.215*	-.277**	-.005	-.014	-.133
65	Lives Framing Index	-.051	.151	-.226*	-.202*	-.209*	-.179	-.178	-.169	.153	.129	.180	.152	.107
66	Lives Signed Confidence Framing Index	-.085	.033	-.184	-.186	-.162	-.171	-.152	-.150	.175	.175	.174	.173	.131
67	Zero Complement Presented Lives Framing Index	-.160	.226*	-.016	-.023	-.038	-.068	.006	.021	.240*	.216*	.466**	.447**	.131
68	Zero Complement Presented Lives Signed Confidence Framing Index	.120	-.181	.105	.086	.089	.076	.100	.078	-.107	-.122	-.407**	-.425**	-.021
69	Both Complements Presented Lives Framing Index	.051	.049	-.155	-.134	-.090	-.068	-.170	-.155	.162	.138	.099	.079	.270**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.012	.079	.173	.187	.106	.137	.188	.181	-.131	-.124	-.048	-.034	-.209*
71	Nonzero Complement Presented Lives Framing Index	-.034	.057	-.154	-.147	-.204*	-.183	-.055	-.074	.114	.094	-.060	-.076	.033
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.086	.003	.119	.124	.166	.171	.033	.047	-.143	-.143	.036	.039	-.067
73	Money Framing Index	-.216*	.114	-.187	-.149	-.223*	-.214*	-.109	-.058	.180	.208*	.152	.165	.164
74	Money Signed Confidence Framing Index	-.213*	.115	-.077	-.036	-.160	-.163	.024	.087	.268**	.333**	.214*	.242*	.244*
75	Zero Complement Presented Money Framing Index	-.160	.226*	-.016	-.023	-.038	-.068	.006	.021	.240*	.216*	.466**	.447**	.131
76	Zero Complement Presented Money Signed Confidence Framing Index	.179	-.191	.008	.013	.047	.079	-.031	-.050	-.245*	-.245*	-.448**	-.469**	-.141
77	Both Complements Presented Money Framing Index	-.249*	.075	-.156	-.113	-.116	-.091	-.161	-.110	.123	.153	-.021	.009	.256*
78	Both Complements Presented Money Signed Confidence Framing Index	.232*	-.095	.146	.120	.128	.117	.131	.097	-.132	-.166	.000	-.031	-.261**
79	Nonzero Complement Presented Money Framing Index	-.084	-.038	-.245*	-.197	-.338**	-.315**	-.097	-.048	.039	.094	-.100	-.080	-.017
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.098	-.003	.039	-.023	.175	.165	-.105	-.187	-.208*	-.308**	-.046	-.061	-.151

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		14	15	16	17	18	19	20	21	22	23	24	25	26
1	Age (Years)	.120	.182	.123	.147	.151	.110	.112	.138	.179	.125	.098	.107	.076
2	Gender (0 = female)	.093	.130	.126	.096	.056	.147	.115	.074	.038	.031	.002	.167	.176
3	Risky Choices	.809**	.788**	.742**	.772**	.755**	.624**	.655**	.657**	.653**	.686**	.660**	.744**	.717**
4	Signed Confidence	.831**	.781**	.785**	.742**	.765**	.607**	.672**	.630**	.661**	.656**	.662**	.760**	.761**
5	Lives Risky Choices	.741**	.639**	.564**	.896**	.868**	.700**	.725**	.808**	.793**	.771**	.741**	.417**	.402**
6	Lives Signed Confidence	.764**	.626**	.582**	.872**	.901**	.679**	.757**	.786**	.821**	.752**	.766**	.414**	.408**
7	Money Risky Choices	.688**	.753**	.746**	.459**	.457**	.392**	.420**	.340**	.352**	.442**	.424**	.898**	.865**
8	Money Signed Confidence	.704**	.747**	.791**	.455**	.467**	.400**	.437**	.342**	.364**	.424**	.421**	.902**	.909**
9	Gain Risky Choices	.888**	.872**	.836**	.841**	.822**	.682**	.704**	.726**	.717**	.735**	.721**	.843**	.816**
10	Gain Signed Confidence	.899**	.853**	.891**	.779**	.809**	.634**	.698**	.671**	.702**	.681**	.708**	.855**	.872**
11	Zero Complement Presented Gain Risky Choices	.635**	.582**	.575**	.711**	.678**	.845**	.827**	.535**	.510**	.466**	.458**	.713**	.688**
12	Zero Complement Presented Gain Signed Confidence	.676**	.586**	.603**	.690**	.704**	.796**	.845**	.532**	.537**	.460**	.483**	.726**	.724**
13	Both Complements Presented Gain Risky Choices	.977**	.686**	.672**	.802**	.789**	.561**	.597**	.845**	.830**	.621**	.615**	.710**	.692**
14	Both Complements Presented Gain Signed Confidence	1	.700**	.704**	.776**	.805**	.541**	.613**	.803**	.840**	.618**	.632**	.720**	.719**
15	Nonzero Complement Presented Gain Risky Choices	.700**	1	.929**	.686**	.680**	.399**	.434**	.512**	.526**	.823**	.799**	.782**	.753**
16	Nonzero Complement Presented Gain Signed Confidence	.704**	.929**	1	.605**	.637**	.381**	.431**	.454**	.492**	.696**	.728**	.803**	.846**
17	Gain Lives Risky Choices	.776**	.686**	.605**	1	.965**	.806**	.816**	.896**	.873**	.844**	.824**	.418**	.401**
18	Gain Lives Signed Confidence	.805**	.680**	.637**	.965**	1	.766**	.842**	.865**	.903**	.825**	.858**	.420**	.418**
19	Zero Complement Presented Gain Lives Risky Choices	.541**	.399**	.381**	.806**	.766**	1	.952**	.615**	.595**	.483**	.484**	.343**	.343**
20	Zero Complement Presented Gain Lives Signed Confidence	.613**	.434**	.431**	.816**	.842**	.952**	1	.643**	.669**	.520**	.557**	.370**	.379**
21	Both Complements Presented Gain Lives Risky Choices	.803**	.512**	.454**	.896**	.865**	.615**	.643**	1	.961**	.646**	.632**	.329**	.317**
22	Both Complements Presented Gain Lives Signed Confidence	.840**	.526**	.492**	.873**	.903**	.595**	.669**	.961**	1	.645**	.664**	.337**	.334**

		14	15	16	17	18	19	20	21	22	23	24	25	26
23	Nonzero Complement Presented Gain Lives Risky Choices	.618**	.823**	.696**	.844**	.825**	.483**	.520**	.646**	.645**	1	.967**	.395**	.366**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.632**	.799**	.728**	.824**	.858**	.484**	.557**	.632**	.664**	.967**	1	.390**	.379**
25	Gain Money Risky Choices	.720**	.782**	.803**	.418**	.420**	.343**	.370**	.329**	.337**	.395**	.390**	1	.971**
26	Gain Money Signed Confidence	.719**	.753**	.846**	.401**	.418**	.343**	.379**	.317**	.334**	.366**	.379**	.971**	1
27	Zero Complement Presented Gain Money Risky Choices	.537**	.586**	.593**	.404**	.387**	.440**	.457**	.295**	.274**	.309**	.295**	.860**	.821**
28	Zero Complement Presented Gain Money Signed Confidence	.555**	.569**	.600**	.395**	.395**	.447**	.484**	.291**	.276**	.284**	.288**	.856**	.845**
29	Both Complements Presented Gain Money Risky Choices	.819**	.631**	.671**	.415**	.426**	.303**	.335**	.376**	.393**	.374**	.379**	.873**	.854**
30	Both Complements Presented Gain Money Signed Confidence	.839**	.649**	.691**	.431**	.449**	.313**	.360**	.387**	.410**	.393**	.398**	.873**	.874**
31	Nonzero Complement Presented Gain Money Risky Choices	.533**	.823**	.832**	.285**	.294**	.173	.193	.196	.221*	.353**	.347**	.891**	.872**
32	Nonzero Complement Presented Gain Money Signed Confidence	.540**	.736**	.882**	.270**	.292**	.194	.213*	.194	.224*	.299**	.320**	.842**	.910**
33	Loss Risky Choices	.621**	.599**	.552**	.597**	.585**	.482**	.515**	.499**	.501**	.542**	.510**	.549**	.526**
34	Loss Signed Confidence	.631**	.586**	.558**	.586**	.599**	.482**	.536**	.489**	.515**	.524**	.512**	.547**	.534**
35	Zero Complement Presented Loss Risky Choices	.552**	.606**	.576**	.521**	.522**	.370**	.395**	.407**	.416**	.545**	.544**	.497**	.474**
36	Zero Complement Presented Loss Signed Confidence	.555**	.593**	.577**	.511**	.529**	.376**	.411**	.400**	.431**	.522**	.534**	.495**	.480**
37	Both Complements Presented Loss Risky Choices	.581**	.518**	.475**	.545**	.535**	.445**	.479**	.485**	.486**	.458**	.431**	.505**	.481**
38	Both Complements Presented Loss Signed Confidence	.627**	.525**	.500**	.559**	.575**	.452**	.515**	.505**	.530**	.465**	.455**	.517**	.504**
39	Nonzero Complement Presented Loss Risky Choices	.554**	.515**	.461**	.554**	.531**	.482**	.511**	.457**	.453**	.478**	.425**	.490**	.475**
40	Nonzero Complement Presented Loss Signed Confidence	.559**	.510**	.475**	.545**	.545**	.491**	.541**	.438**	.454**	.466**	.434**	.497**	.489**
41	Loss Lives Risky Choices	.591**	.494**	.437**	.662**	.644**	.495**	.529**	.602**	.595**	.583**	.550**	.348**	.337**
42	Loss Lives Signed Confidence	.603**	.477**	.439**	.648**	.666**	.492**	.560**	.588**	.615**	.566**	.560**	.340**	.334**

		14	15	16	17	18	19	20	21	22	23	24	25	26
43	Zero Complement Presented Loss Lives Risky Choices	.526**	.525**	.476**	.601**	.580**	.430**	.433**	.506**	.494**	.590**	.579**	.337**	.313**
44	Zero Complement Presented Loss Lives Signed Confidence	.542**	.539**	.503**	.600**	.608**	.421**	.454**	.504**	.520**	.596**	.604**	.346**	.330**
45	Both Complements Presented Loss Lives Risky Choices	.560**	.444**	.383**	.617**	.603**	.428**	.471**	.601**	.590**	.531**	.504**	.311**	.300**
46	Both Complements Presented Loss Lives Signed Confidence	.590**	.409**	.373**	.598**	.623**	.441**	.520**	.586**	.611**	.489**	.489**	.312**	.304**
47	Nonzero Complement Presented Loss Lives Risky Choices	.478**	.358**	.315**	.541**	.528**	.451**	.491**	.486**	.490**	.442**	.397**	.282**	.286**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.486**	.353**	.322**	.548**	.563**	.459**	.522**	.483**	.512**	.456**	.436**	.266**	.270**
49	Loss Money Risky Choices	.535**	.593**	.559**	.414**	.409**	.367**	.391**	.289**	.303**	.406**	.380**	.644**	.613**
50	Loss Money Signed Confidence	.546**	.590**	.572**	.421**	.425**	.381**	.411**	.300**	.323**	.399**	.381**	.645**	.628**
51	Zero Complement Presented Loss Money Risky Choices	.441**	.543**	.542**	.298**	.323**	.208*	.252*	.192	.224*	.356**	.366**	.551**	.535**
52	Zero Complement Presented Loss Money Signed Confidence	.445**	.515**	.523**	.309**	.334**	.249*	.277**	.208*	.246*	.332**	.347**	.532**	.522**
53	Both Complements Presented Loss Money Risky Choices	.486**	.478**	.459**	.351**	.345**	.355**	.368**	.252*	.268**	.299**	.272**	.582**	.552**
54	Both Complements Presented Loss Money Signed Confidence	.532**	.527**	.516**	.391**	.393**	.357**	.384**	.300**	.322**	.347**	.324**	.610**	.595**
55	Nonzero Complement Presented Loss Money Risky Choices	.496**	.570**	.507**	.444**	.418**	.399**	.412**	.317**	.308**	.423**	.376**	.592**	.557**
56	Nonzero Complement Presented Loss Money Signed Confidence	.500**	.558**	.517**	.431**	.419**	.416**	.444**	.298**	.301**	.395**	.359**	.607**	.585**
57	Framing Index	-.159	-.170	-.194	-.139	-.134	-.116	-.096	-.142	-.130	-.095	-.121	-.205*	-.206*
58	Signed Confidence Framing Index	-.239*	-.244*	-.324**	-.158	-.176	-.122	-.127	-.156	-.159	-.123	-.170	-.296**	-.333**
59	Zero Complement Presented Framing Index	.100	.053	.061	.105	.067	.218*	.196	.100	.052	-.035	-.056	.299**	.277**
60	Zero Complement Presented Signed Confidence Framing Index	-.096	.022	-.008	-.151	-.147	-.376**	-.388**	-.110	-.086	.071	.062	-.199*	-.212*
61	Both Complements Presented Framing Index	.312**	.089	.128	.177	.177	.051	.050	.299**	.280**	.086	.115	.133	.143
62	Both Complements Presented Signed Confidence Framing Index	-.313**	-.114	-.149	-.155	-.166	-.031	-.032	-.249*	-.259**	-.099	-.126	-.144	-.160

		14	15	16	17	18	19	20	21	22	23	24	25	26
63	Nonzero Complement Presented Framing Index	.015	.322**	.332**	-.018	.000	-.183	-.188	-.063	-.049	.182	.217*	.181	.177
64	Nonzero Complement Presented Signed Confidence Framing Index	-.144	-.412**	-.515**	-.061	-.092	.106	.106	-.018	-.038	-.227*	-.290**	-.301**	-.351**
65	Lives Framing Index	.092	.118	.102	.247*	.232*	.249*	.216*	.210*	.192	.176	.198*	.011	.007
66	Lives Signed Confidence Framing Index	.135	.156	.156	.258**	.274**	.233*	.233*	.222*	.231*	.205*	.251*	.037	.043
67	Zero Complement Presented Lives Framing Index	.100	.053	.061	.105	.067	.218*	.196	.100	.052	-.035	-.056	.299**	.277**
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.041	.122	.090	-.174	-.191	-.476**	-.489**	-.107	-.115	.098	.071	-.007	-.031
69	Both Complements Presented Lives Framing Index	.235*	.050	.057	.271**	.253*	.180	.163	.403**	.373**	.096	.112	.002	.002
70	Both Complements Presented Lives Signed Confidence Framing Index	-.204*	-.081	-.087	-.229*	-.232*	-.118	-.103	-.338**	-.351**	-.114	-.134	.007	.001
71	Nonzero Complement Presented Lives Framing Index	.024	.313**	.263**	.133	.129	-.068	-.082	.027	.020	.366**	.384**	.061	.040
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.061	-.331**	-.314**	-.148	-.161	.048	.052	-.049	-.046	-.363**	-.413**	-.095	-.089
73	Money Framing Index	.156	.155	.220*	-.036	-.028	-.063	-.062	.016	.009	-.052	-.026	.339**	.344**
74	Money Signed Confidence Framing Index	.249*	.241*	.373**	.009	.024	-.016	-.006	.043	.039	-.008	.028	.440**	.494**
75	Zero Complement Presented Money Framing Index	.100	.053	.061	.105	.067	.218*	.196	.100	.052	-.035	-.056	.299**	.277**
76	Zero Complement Presented Money Signed Confidence Framing Index	-.120	-.072	-.093	-.092	-.071	-.193	-.201*	-.085	-.038	.030	.039	-.320**	-.319**
77	Both Complements Presented Money Framing Index	.248*	.076	.140	.001	.020	-.104	-.085	.083	.077	.008	.048	.205*	.219*
78	Both Complements Presented Money Signed Confidence Framing Index	-.265**	-.075	-.137	.005	-.015	.078	.058	-.062	-.059	.008	-.028	-.226*	-.243*
79	Nonzero Complement Presented Money Framing Index	.001	.207*	.283**	-.186	-.150	-.249*	-.243*	-.141	-.107	-.097	-.055	.250*	.269**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.172	-.335**	-.526**	.061	.029	.131	.133	.035	.005	.001	-.051	-.410**	-.500**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		27	28	29	30	31	32	33	34	35	36	37	38	39
1	Age (Years)	.060	.061	.040	.022	.175	.103	.238*	.256*	.270**	.281**	.184	.204*	.200*
2	Gender (0 = female)	.159	.165	.095	.119	.184	.173	.016	.063	-.120	-.068	.038	.085	.101
3	Risky Choices	.648**	.639**	.696**	.706**	.610**	.573**	.932**	.910**	.808**	.794**	.860**	.865**	.858**
4	Signed Confidence	.653**	.662**	.712**	.734**	.630**	.630**	.898**	.921**	.787**	.809**	.821**	.876**	.827**
5	Lives Risky Choices	.381**	.374**	.439**	.452**	.280**	.271**	.836**	.807**	.705**	.690**	.762**	.764**	.794**
6	Lives Signed Confidence	.369**	.371**	.444**	.463**	.278**	.279**	.805**	.832**	.693**	.719**	.728**	.793**	.760**
7	Money Risky Choices	.761**	.752**	.798**	.804**	.797**	.739**	.797**	.788**	.719**	.708**	.736**	.747**	.711**
8	Money Signed Confidence	.761**	.775**	.798**	.819**	.806**	.804**	.772**	.788**	.694**	.706**	.708**	.745**	.696**
9	Gain Risky Choices	.751**	.743**	.765**	.775**	.699**	.661**	.681**	.673**	.604**	.597**	.623**	.639**	.620**
10	Gain Signed Confidence	.740**	.760**	.783**	.808**	.723**	.746**	.655**	.668**	.588**	.595**	.599**	.636**	.593**
11	Zero Complement Presented Gain Risky Choices	.852**	.843**	.547**	.557**	.491**	.481**	.558**	.558**	.410**	.419**	.528**	.535**	.561**
12	Zero Complement Presented Gain Signed Confidence	.848**	.877**	.572**	.598**	.505**	.503**	.561**	.578**	.408**	.425**	.535**	.563**	.564**
13	Both Complements Presented Gain Risky Choices	.545**	.549**	.813**	.811**	.507**	.507**	.621**	.613**	.556**	.542**	.584**	.610**	.548**
14	Both Complements Presented Gain Signed Confidence	.537**	.555**	.819**	.839**	.533**	.540**	.621**	.631**	.552**	.555**	.581**	.627**	.554**
15	Nonzero Complement Presented Gain Risky Choices	.586**	.569**	.631**	.649**	.823**	.736**	.599**	.586**	.606**	.593**	.518**	.525**	.515**
16	Nonzero Complement Presented Gain Signed Confidence	.593**	.600**	.671**	.691**	.832**	.882**	.552**	.558**	.576**	.577**	.475**	.500**	.461**
17	Gain Lives Risky Choices	.404**	.395**	.415**	.431**	.285**	.270**	.597**	.586**	.521**	.511**	.545**	.559**	.554**
18	Gain Lives Signed Confidence	.387**	.395**	.426**	.449**	.294**	.292**	.585**	.599**	.522**	.529**	.535**	.575**	.531**
19	Zero Complement Presented Gain Lives Risky Choices	.440**	.447**	.303**	.313**	.173	.194	.482**	.482**	.370**	.376**	.445**	.452**	.482**
20	Zero Complement Presented Gain Lives Signed Confidence	.457**	.484**	.335**	.360**	.193	.213*	.515**	.536**	.395**	.411**	.479**	.515**	.511**
21	Both Complements Presented Gain Lives Risky Choices	.295**	.291**	.376**	.387**	.196	.194	.499**	.489**	.407**	.400**	.485**	.505**	.457**
22	Both Complements Presented Gain Lives Signed Confidence	.274**	.276**	.393**	.410**	.221*	.224*	.501**	.515**	.416**	.431**	.486**	.530**	.453**

		27	28	29	30	31	32	33	34	35	36	37	38	39
23	Nonzero Complement Presented Gain Lives Risky Choices	.309**	.284**	.374**	.393**	.353**	.299**	.542**	.524**	.545**	.522**	.458**	.465**	.478**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.295**	.288**	.379**	.398**	.347**	.320**	.510**	.512**	.544**	.534**	.431**	.455**	.425**
25	Gain Money Risky Choices	.860**	.856**	.873**	.873**	.891**	.842**	.549**	.547**	.497**	.495**	.505**	.517**	.490**
26	Gain Money Signed Confidence	.821**	.845**	.854**	.874**	.872**	.910**	.526**	.534**	.474**	.480**	.481**	.504**	.475**
27	Zero Complement Presented Gain Money Risky Choices	1	.977**	.622**	.628**	.656**	.617**	.465**	.465**	.326**	.335**	.450**	.455**	.470**
28	Zero Complement Presented Gain Money Signed Confidence	.977**	1	.635**	.656**	.653**	.632**	.455**	.464**	.312**	.326**	.445**	.458**	.463**
29	Both Complements Presented Gain Money Risky Choices	.622**	.635**	1	.984**	.665**	.667**	.533**	.530**	.520**	.503**	.484**	.507**	.452**
30	Both Complements Presented Gain Money Signed Confidence	.628**	.656**	.984**	1	.675**	.683**	.542**	.546**	.511**	.502**	.489**	.522**	.477**
31	Nonzero Complement Presented Gain Money Risky Choices	.656**	.653**	.665**	.675**	1	.912**	.444**	.441**	.452**	.454**	.394**	.399**	.370**
32	Nonzero Complement Presented Gain Money Signed Confidence	.617**	.632**	.667**	.683**	.912**	1	.413**	.420**	.423**	.431**	.361**	.378**	.346**
33	Loss Risky Choices	.465**	.455**	.533**	.542**	.444**	.413**	1	.970**	.855**	.838**	.928**	.922**	.926**
34	Loss Signed Confidence	.465**	.464**	.530**	.546**	.441**	.420**	.970**	1	.838**	.869**	.887**	.950**	.903**
35	Zero Complement Presented Loss Risky Choices	.326**	.312**	.520**	.511**	.452**	.423**	.855**	.838**	1	.968**	.691**	.716**	.671**
36	Zero Complement Presented Loss Signed Confidence	.335**	.326**	.503**	.502**	.454**	.431**	.838**	.869**	.968**	1	.675**	.744**	.669**
37	Both Complements Presented Loss Risky Choices	.450**	.445**	.484**	.489**	.394**	.361**	.928**	.887**	.691**	.675**	1	.946**	.812**
38	Both Complements Presented Loss Signed Confidence	.455**	.458**	.507**	.522**	.399**	.378**	.922**	.950**	.716**	.744**	.946**	1	.828**
39	Nonzero Complement Presented Loss Risky Choices	.470**	.463**	.452**	.477**	.370**	.346**	.926**	.903**	.671**	.669**	.812**	.828**	1
40	Nonzero Complement Presented Loss Signed Confidence	.480**	.481**	.457**	.484**	.373**	.359**	.909**	.934**	.662**	.689**	.807**	.861**	.969**
41	Loss Lives Risky Choices	.299**	.295**	.388**	.397**	.230*	.227*	.903**	.864**	.747**	.731**	.823**	.815**	.870**
42	Loss Lives Signed Confidence	.292**	.290**	.386**	.399**	.218*	.222*	.867**	.902**	.730**	.768**	.778**	.855**	.837**

		27	28	29	30	31	32	33	34	35	36	37	38	39
43	Zero Complement Presented Loss Lives Risky Choices	.193	.177	.412**	.390**	.273**	.261**	.771**	.732**	.894**	.848**	.622**	.623**	.612**
44	Zero Complement Presented Loss Lives Signed Confidence	.214*	.201*	.401**	.390**	.290**	.281**	.762**	.778**	.863**	.887**	.613**	.668**	.623**
45	Both Complements Presented Loss Lives Risky Choices	.290**	.292**	.333**	.350**	.198*	.183	.821**	.780**	.579**	.576**	.866**	.822**	.764**
46	Both Complements Presented Loss Lives Signed Confidence	.278**	.281**	.361**	.380**	.184	.180	.794**	.838**	.603**	.645**	.792**	.881**	.744**
47	Nonzero Complement Presented Loss Lives Risky Choices	.297**	.297**	.297**	.319**	.154	.170	.790**	.767**	.538**	.541**	.680**	.699**	.895**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.283**	.284**	.288**	.309**	.133	.154	.767**	.797**	.531**	.565**	.666**	.726**	.855**
49	Loss Money Risky Choices	.534**	.522**	.586**	.596**	.569**	.513**	.882**	.869**	.795**	.777**	.817**	.824**	.787**
50	Loss Money Signed Confidence	.543**	.544**	.577**	.595**	.572**	.529**	.879**	.900**	.789**	.805**	.808**	.852**	.792**
51	Zero Complement Presented Loss Money Risky Choices	.393**	.384**	.508**	.517**	.538**	.497**	.732**	.744**	.865**	.857**	.593**	.638**	.566**
52	Zero Complement Presented Loss Money Signed Confidence	.381**	.378**	.493**	.501**	.515**	.485**	.727**	.767**	.857**	.889**	.586**	.654**	.566**
53	Both Complements Presented Loss Money Risky Choices	.494**	.483**	.553**	.550**	.488**	.448**	.796**	.768**	.650**	.619**	.863**	.816**	.666**
54	Both Complements Presented Loss Money Signed Confidence	.526**	.528**	.560**	.573**	.522**	.491**	.827**	.832**	.671**	.673**	.869**	.870**	.718**
55	Nonzero Complement Presented Loss Money Risky Choices	.539**	.524**	.503**	.525**	.515**	.442**	.839**	.821**	.647**	.640**	.753**	.763**	.856**
56	Nonzero Complement Presented Loss Money Signed Confidence	.561**	.561**	.510**	.538**	.524**	.468**	.835**	.847**	.638**	.651**	.759**	.795**	.849**
57	Framing Index	-.216*	-.219*	-.140	-.138	-.185	-.185	.578**	.546**	.469**	.455**	.546**	.520**	.547**
58	Signed Confidence Framing Index	-.266**	-.291**	-.233*	-.242*	-.278**	-.331**	.476**	.500**	.386**	.418**	.436**	.474**	.463**
59	Zero Complement Presented Framing Index	.569**	.555**	.118	.116	.123	.123	-.227*	-.237*	-.473**	-.458**	-.116	-.151	-.074
60	Zero Complement Presented Signed Confidence Framing Index	-.462**	-.497**	-.050	-.075	-.035	-.054	.277**	.291**	.541**	.555**	.147	.186	.115
61	Both Complements Presented Framing Index	.033	.044	.254*	.243*	.061	.098	-.459**	-.419**	-.255*	-.248*	-.567**	-.483**	-.404**
62	Both Complements Presented Signed Confidence Framing Index	-.023	-.039	-.264**	-.267**	-.088	-.120	.455**	.478**	.278**	.309**	.528**	.544**	.413**

		27	28	29	30	31	32	33	34	35	36	37	38	39
63	Nonzero Complement Presented Framing Index	.021	.015	.089	.075	.349**	.309**	-.483**	-.467**	-.198*	-.206*	-.435**	-.446**	-.633**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.112	-.118	-.211*	-.205*	-.451**	-.513**	.346**	.364**	.081	.107	.321**	.350**	.493**
65	Lives Framing Index	.058	.054	-.043	-.038	.017	.005	-.508**	-.471**	-.391**	-.382**	-.463**	-.437**	-.513**
66	Lives Signed Confidence Framing Index	.063	.074	-.015	-.005	.051	.044	-.456**	-.485**	-.350**	-.391**	-.397**	-.450**	-.477**
67	Zero Complement Presented Lives Framing Index	.569**	.555**	.118	.116	.123	.123	-.227*	-.237*	-.473**	-.458**	-.116	-.151	-.074
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.217*	-.255*	.079	.046	.103	.076	.266**	.261**	.476**	.485**	.153	.173	.133
69	Both Complements Presented Lives Framing Index	-.010	-.017	.029	.021	-.014	.002	-.396**	-.360**	-.219*	-.223*	-.462**	-.390**	-.376**
70	Both Complements Presented Lives Signed Confidence Framing Index	.035	.036	.006	.009	-.019	-.028	.401**	.439**	.266**	.301**	.415**	.473**	.394**
71	Nonzero Complement Presented Lives Framing Index	-.034	-.052	.029	.021	.155	.106	-.354**	-.343**	-.098	-.119	-.314**	-.326**	-.509**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.013	.017	-.064	-.058	-.188	-.158	.320**	.347**	.060	.102	.291**	.329**	.475**
73	Money Framing Index	.316**	.326**	.267**	.254*	.307**	.322**	-.465**	-.450**	-.416**	-.396**	-.434**	-.428**	-.413**
74	Money Signed Confidence Framing Index	.374**	.402**	.376**	.380**	.404**	.497**	-.353**	-.367**	-.314**	-.326**	-.328**	-.348**	-.317**
75	Zero Complement Presented Money Framing Index	.569**	.555**	.118	.116	.123	.123	-.227*	-.237*	-.473**	-.458**	-.116	-.151	-.074
76	Zero Complement Presented Money Signed Confidence Framing Index	-.564**	-.587**	-.151	-.164	-.148	-.156	.218*	.245*	.463**	.479**	.104	.152	.070
77	Both Complements Presented Money Framing Index	.067	.091	.356**	.343**	.116	.160	-.363**	-.336**	-.231*	-.209*	-.444**	-.390**	-.310**
78	Both Complements Presented Money Signed Confidence Framing Index	-.076	-.103	-.388**	-.390**	-.131	-.170	.355**	.360**	.236*	.244*	.409**	.400**	.317**
79	Nonzero Complement Presented Money Framing Index	.077	.089	.124	.110	.439**	.429**	-.445**	-.430**	-.237*	-.228*	-.404**	-.409**	-.535**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.205*	-.221*	-.300**	-.294**	-.552**	-.693**	.238*	.240*	.066	.068	.231*	.242*	.321**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		40	41	42	43	44	45	46	47	48	49	50	51	52
1	Age (Years)	.228*	.165	.198*	.235*	.230*	.087	.152	.124	.159	.274**	.272**	.241*	.268**
2	Gender (0 = female)	.137	-.036	.024	-.120	-.076	.027	.101	-.021	.014	.061	.085	-.090	-.045
3	Risky Choices	.847**	.833**	.806**	.734**	.731**	.761**	.739**	.709**	.692**	.836**	.837**	.685**	.680**
4	Signed Confidence	.853**	.790**	.816**	.688**	.728**	.718**	.758**	.681**	.703**	.820**	.847**	.698**	.709**
5	Lives Risky Choices	.766**	.926**	.888**	.786**	.782**	.848**	.809**	.809**	.790**	.564**	.573**	.434**	.446**
6	Lives Signed Confidence	.778**	.882**	.924**	.747**	.799**	.808**	.860**	.774**	.815**	.555**	.583**	.456**	.480**
7	Money Risky Choices	.719**	.529**	.520**	.505**	.503**	.472**	.478**	.434**	.423**	.915**	.905**	.777**	.753**
8	Money Signed Confidence	.722**	.519**	.527**	.479**	.497**	.461**	.484**	.442**	.441**	.877**	.895**	.759**	.756**
9	Gain Risky Choices	.618**	.599**	.587**	.557**	.561**	.551**	.540**	.484**	.479**	.629**	.634**	.504**	.499**
10	Gain Signed Confidence	.610**	.565**	.575**	.515**	.541**	.518**	.532**	.464**	.473**	.617**	.636**	.520**	.517**
11	Zero Complement Presented Gain Risky Choices	.572**	.467**	.461**	.366**	.373**	.423**	.422**	.439**	.435**	.532**	.546**	.355**	.372**
12	Zero Complement Presented Gain Signed Confidence	.591**	.471**	.485**	.347**	.372**	.437**	.458**	.450**	.459**	.534**	.558**	.373**	.383**
13	Both Complements Presented Gain Risky Choices	.539**	.602**	.592**	.556**	.548**	.569**	.577**	.473**	.467**	.520**	.522**	.414**	.415**
14	Both Complements Presented Gain Signed Confidence	.559**	.591**	.603**	.526**	.542**	.560**	.590**	.478**	.486**	.535**	.546**	.441**	.445**
15	Nonzero Complement Presented Gain Risky Choices	.510**	.494**	.477**	.525**	.539**	.444**	.409**	.358**	.353**	.593**	.590**	.543**	.515**
16	Nonzero Complement Presented Gain Signed Confidence	.475**	.437**	.439**	.476**	.503**	.383**	.373**	.315**	.322**	.559**	.572**	.542**	.523**
17	Gain Lives Risky Choices	.545**	.662**	.648**	.601**	.600**	.617**	.598**	.541**	.548**	.414**	.421**	.298**	.309**
18	Gain Lives Signed Confidence	.545**	.644**	.666**	.580**	.608**	.603**	.623**	.528**	.563**	.409**	.425**	.323**	.334**
19	Zero Complement Presented Gain Lives Risky Choices	.491**	.495**	.492**	.430**	.421**	.428**	.441**	.451**	.459**	.367**	.381**	.208*	.249*
20	Zero Complement Presented Gain Lives Signed Confidence	.541**	.529**	.560**	.433**	.454**	.471**	.520**	.491**	.522**	.391**	.411**	.252*	.277**
21	Both Complements Presented Gain Lives Risky Choices	.438**	.602**	.588**	.506**	.504**	.601**	.586**	.486**	.483**	.289**	.300**	.192	.208*
22	Both Complements Presented Gain Lives Signed Confidence	.454**	.595**	.615**	.494**	.520**	.590**	.611**	.490**	.512**	.303**	.323**	.224*	.246*

		40	41	42	43	44	45	46	47	48	49	50	51	52
23	Nonzero Complement Presented Gain Lives Risky Choices	.466**	.583**	.566**	.590**	.596**	.531**	.489**	.442**	.456**	.406**	.399**	.356**	.332**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.434**	.550**	.560**	.579**	.604**	.504**	.489**	.397**	.436**	.380**	.381**	.366**	.347**
25	Gain Money Risky Choices	.497**	.348**	.340**	.337**	.346**	.311**	.312**	.282**	.266**	.644**	.645**	.551**	.532**
26	Gain Money Signed Confidence	.489**	.337**	.334**	.313**	.330**	.300**	.304**	.286**	.270**	.613**	.628**	.535**	.522**
27	Zero Complement Presented Gain Money Risky Choices	.480**	.299**	.292**	.193	.214*	.290**	.278**	.297**	.283**	.534**	.543**	.393**	.381**
28	Zero Complement Presented Gain Money Signed Confidence	.481**	.295**	.290**	.177	.201*	.292**	.281**	.297**	.284**	.522**	.544**	.384**	.378**
29	Both Complements Presented Gain Money Risky Choices	.457**	.388**	.386**	.412**	.401**	.333**	.361**	.297**	.288**	.586**	.577**	.508**	.493**
30	Both Complements Presented Gain Money Signed Confidence	.484**	.397**	.399**	.390**	.390**	.350**	.380**	.319**	.309**	.596**	.595**	.517**	.501**
31	Nonzero Complement Presented Gain Money Risky Choices	.373**	.230*	.218*	.273**	.290**	.198*	.184	.154	.133	.569**	.572**	.538**	.515**
32	Nonzero Complement Presented Gain Money Signed Confidence	.359**	.227*	.222*	.261**	.281**	.183	.180	.170	.154	.513**	.529**	.497**	.485**
33	Loss Risky Choices	.909**	.903**	.867**	.771**	.762**	.821**	.794**	.790**	.767**	.882**	.879**	.732**	.727**
34	Loss Signed Confidence	.934**	.864**	.902**	.732**	.778**	.780**	.838**	.767**	.797**	.869**	.900**	.744**	.767**
35	Zero Complement Presented Loss Risky Choices	.662**	.747**	.730**	.894**	.863**	.579**	.603**	.538**	.531**	.795**	.789**	.865**	.857**
36	Zero Complement Presented Loss Signed Confidence	.689**	.731**	.768**	.848**	.887**	.576**	.645**	.541**	.565**	.777**	.805**	.857**	.889**
37	Both Complements Presented Loss Risky Choices	.807**	.823**	.778**	.622**	.613**	.866**	.792**	.680**	.666**	.817**	.808**	.593**	.586**
38	Both Complements Presented Loss Signed Confidence	.861**	.815**	.855**	.623**	.668**	.822**	.881**	.699**	.726**	.824**	.852**	.638**	.654**
39	Nonzero Complement Presented Loss Risky Choices	.969**	.870**	.837**	.612**	.623**	.764**	.744**	.895**	.855**	.787**	.792**	.566**	.566**
40	Nonzero Complement Presented Loss Signed Confidence	1	.829**	.857**	.578**	.621**	.736**	.769**	.854**	.886**	.795**	.825**	.587**	.604**
41	Loss Lives Risky Choices	.829**	1	.948**	.815**	.809**	.908**	.857**	.907**	.868**	.601**	.610**	.480**	.491**
42	Loss Lives Signed Confidence	.857**	.948**	1	.772**	.837**	.857**	.928**	.864**	.904**	.592**	.627**	.498**	.530**

		40	41	42	43	44	45	46	47	48	49	50	51	52
43	Zero Complement Presented Loss Lives Risky Choices	.578**	.815**	.772**	1	.950**	.619**	.613**	.581**	.556**	.570**	.559**	.548**	.559**
44	Zero Complement Presented Loss Lives Signed Confidence	.621**	.809**	.837**	.950**	1	.637**	.686**	.592**	.609**	.558**	.575**	.547**	.578**
45	Both Complements Presented Loss Lives Risky Choices	.736**	.908**	.857**	.619**	.637**	1	.896**	.762**	.740**	.535**	.541**	.386**	.386**
46	Both Complements Presented Loss Lives Signed Confidence	.769**	.857**	.928**	.613**	.686**	.896**	1	.740**	.775**	.545**	.578**	.438**	.462**
47	Nonzero Complement Presented Loss Lives Risky Choices	.854**	.907**	.864**	.581**	.592**	.762**	.740**	1	.949**	.494**	.518**	.359**	.376**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.886**	.868**	.904**	.556**	.609**	.740**	.775**	.949**	1	.491**	.532**	.373**	.402**
49	Loss Money Risky Choices	.795**	.601**	.592**	.570**	.558**	.535**	.545**	.494**	.491**	1	.981**	.846**	.822**
50	Loss Money Signed Confidence	.825**	.610**	.627**	.559**	.575**	.541**	.578**	.518**	.532**	.981**	1	.846**	.854**
51	Zero Complement Presented Loss Money Risky Choices	.587**	.480**	.498**	.548**	.547**	.386**	.438**	.359**	.373**	.846**	.846**	1	.974**
52	Zero Complement Presented Loss Money Signed Confidence	.604**	.491**	.530**	.559**	.578**	.386**	.462**	.376**	.402**	.822**	.854**	.974**	1
53	Both Complements Presented Loss Money Risky Choices	.680**	.522**	.497**	.484**	.447**	.488**	.470**	.422**	.420**	.920**	.890**	.669**	.650**
54	Both Complements Presented Loss Money Signed Confidence	.748**	.567**	.566**	.492**	.493**	.532**	.532**	.482**	.493**	.930**	.938**	.700**	.701**
55	Nonzero Complement Presented Loss Money Risky Choices	.846**	.608**	.594**	.501**	.510**	.573**	.562**	.533**	.518**	.912**	.894**	.647**	.628**
56	Nonzero Complement Presented Loss Money Signed Confidence	.872**	.598**	.608**	.476**	.499**	.561**	.583**	.539**	.542**	.911**	.924**	.658**	.657**
57	Framing Index	.526**	.539**	.505**	.410**	.393**	.484**	.459**	.516**	.491**	.479**	.469**	.416**	.415**
58	Signed Confidence Framing Index	.483**	.446**	.483**	.335**	.365**	.393**	.451**	.437**	.465**	.391**	.410**	.345**	.378**
59	Zero Complement Presented Framing Index	-.084	-.154	-.177	-.312**	-.292**	-.079	-.136	-.046	-.071	-.265**	-.257*	-.533**	-.521**
60	Zero Complement Presented Signed Confidence Framing Index	.109	.259**	.282**	.483**	.497**	.142	.190	.099	.113	.245*	.249*	.468**	.489**
61	Both Complements Presented Framing Index	-.405**	-.352**	-.310**	-.172	-.168	-.425**	-.335**	-.315**	-.304**	-.444**	-.429**	-.285**	-.273**
62	Both Complements Presented Signed Confidence Framing Index	.447**	.357**	.392**	.193	.230*	.398**	.438**	.333**	.358**	.428**	.449**	.303**	.319**

		40	41	42	43	44	45	46	47	48	49	50	51	52
63	Nonzero Complement Presented Framing Index	-.601**	-.533**	-.511**	-.224*	-.223*	-.458**	-.467**	-.672**	-.631**	-.324**	-.331**	-.118	-.144
64	Nonzero Complement Presented Signed Confidence Framing Index	.510**	.380**	.405**	.097	.113	.342**	.384**	.518**	.542**	.227*	.244*	.043	.077
65	Lives Framing Index	-.472**	-.563**	-.511**	-.391**	-.385**	-.493**	-.448**	-.581**	-.523**	-.320**	-.324**	-.293**	-.294**
66	Lives Signed Confidence Framing Index	-.487**	-.493**	-.534**	-.337**	-.391**	-.422**	-.490**	-.524**	-.536**	-.299**	-.326**	-.276**	-.305**
67	Zero Complement Presented Lives Framing Index	-.084	-.154	-.177	-.312**	-.292**	-.079	-.136	-.046	-.071	-.265**	-.257*	-.533**	-.521**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.103	.298**	.297**	.525**	.555**	.184	.185	.121	.109	.181	.179	.300**	.307**
69	Both Complements Presented Lives Framing Index	-.365**	-.383**	-.339**	-.157	-.180	-.490**	-.386**	-.343**	-.319**	-.297**	-.291**	-.233*	-.216*
70	Both Complements Presented Lives Signed Confidence Framing Index	.422**	.375**	.438**	.195	.252*	.427**	.527**	.350**	.369**	.320**	.337**	.278**	.283**
71	Nonzero Complement Presented Lives Framing Index	-.472**	-.457**	-.427**	-.120	-.126	-.347**	-.359**	-.673**	-.608**	-.151	-.181	-.050	-.086
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.494**	.406**	.433**	.072	.104	.313**	.360**	.621**	.639**	.144	.183	.032	.078
73	Money Framing Index	-.416**	-.345**	-.343**	-.320**	-.294**	-.306**	-.318**	-.287**	-.302**	-.501**	-.477**	-.417**	-.410**
74	Money Signed Confidence Framing Index	-.336**	-.278**	-.301**	-.250*	-.248*	-.245*	-.282**	-.237*	-.271**	-.363**	-.366**	-.306**	-.331**
75	Zero Complement Presented Money Framing Index	-.084	-.154	-.177	-.312**	-.292**	-.079	-.136	-.046	-.071	-.265**	-.257*	-.533**	-.521**
76	Zero Complement Presented Money Signed Confidence Framing Index	.087	.159	.197	.326**	.322**	.070	.146	.054	.089	.240*	.248*	.500**	.528**
77	Both Complements Presented Money Framing Index	-.318**	-.196	-.173	-.150	-.118	-.184	-.151	-.180	-.184	-.470**	-.440**	-.262**	-.252*
78	Both Complements Presented Money Signed Confidence Framing Index	.339**	.212*	.213*	.161	.161	.188	.176	.205*	.226*	.438**	.443**	.260**	.272**
79	Nonzero Complement Presented Money Framing Index	-.522**	-.413**	-.409**	-.258**	-.251*	-.406**	-.409**	-.407**	-.411**	-.399**	-.378**	-.152	-.154
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.327**	.244*	.258*	.108	.106	.261**	.283**	.259*	.279**	.193	.186	.003	.016

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		53	54	55	56	57	58	59	60	61	62	63	64	65
1	Age (Years)	.246*	.214*	.243*	.256*	.150	.175	-.160	.175	-.111	.119	-.069	.102	-.051
2	Gender (0 = female)	.029	.041	.208*	.224*	-.152	-.087	.226*	-.215*	.066	.003	.011	.011	.151
3	Risky Choices	.748**	.786**	.804**	.802**	.242*	.149	-.016	.062	-.181	.182	-.239*	.099	-.226*
4	Signed Confidence	.724**	.788**	.776**	.801**	.206*	.125	-.023	.054	-.142	.173	-.208*	.064	-.202*
5	Lives Risky Choices	.485**	.532**	.584**	.571**	.249*	.185	-.038	.077	-.119	.133	-.324**	.194	-.209*
6	Lives Signed Confidence	.467**	.531**	.560**	.569**	.226*	.191	-.068	.089	-.090	.143	-.298**	.189	-.179
7	Money Risky Choices	.836**	.856**	.837**	.844**	.166	.068	.006	.035	-.185	.169	-.090	-.029	-.178
8	Money Signed Confidence	.793**	.843**	.798**	.830**	.133	.029	.021	.012	-.148	.149	-.076	-.070	-.169
9	Gain Risky Choices	.555**	.596**	.616**	.616**	-.204*	-.270**	.240*	-.208*	.184	-.178	.097	-.215*	.153
10	Gain Signed Confidence	.544**	.597**	.585**	.604**	-.205*	-.310**	.216*	-.216*	.188	-.193	.114	-.277**	.129
11	Zero Complement Presented Gain Risky Choices	.501**	.521**	.553**	.576**	-.196	-.230*	.466**	-.494**	.049	-.032	-.094	-.005	.180
12	Zero Complement Presented Gain Signed Confidence	.497**	.534**	.547**	.586**	-.187	-.248*	.447**	-.517**	.054	-.041	-.094	-.014	.152
13	Both Complements Presented Gain Risky Choices	.476**	.511**	.490**	.482**	-.170	-.232*	.131	-.098	.334**	-.309**	.012	-.133	.107
14	Both Complements Presented Gain Signed Confidence	.486**	.532**	.496**	.500**	-.159	-.239*	.100	-.096	.312**	-.313**	.015	-.144	.092
15	Nonzero Complement Presented Gain Risky Choices	.478**	.527**	.570**	.558**	-.170	-.244*	.053	.022	.089	-.114	.322**	-.412**	.118
16	Nonzero Complement Presented Gain Signed Confidence	.459**	.516**	.507**	.517**	-.194	-.324**	.061	-.008	.128	-.149	.332**	-.515**	.102
17	Gain Lives Risky Choices	.351**	.391**	.444**	.431**	-.139	-.158	.105	-.151	.177	-.155	-.018	-.061	.247*
18	Gain Lives Signed Confidence	.345**	.393**	.418**	.419**	-.134	-.176	.067	-.147	.177	-.166	.000	-.092	.232*
19	Zero Complement Presented Gain Lives Risky Choices	.355**	.357**	.399**	.416**	-.116	-.122	.218*	-.376**	.051	-.031	-.183	.106	.249*
20	Zero Complement Presented Gain Lives Signed Confidence	.368**	.384**	.412**	.444**	-.096	-.127	.196	-.388**	.050	-.032	-.188	.106	.216*
21	Both Complements Presented Gain Lives Risky Choices	.252*	.300**	.317**	.298**	-.142	-.156	.100	-.110	.299**	-.249*	-.063	-.018	.210*
22	Both Complements Presented Gain Lives Signed Confidence	.268**	.322**	.308**	.301**	-.130	-.159	.052	-.086	.280**	-.259**	-.049	-.038	.192

		53	54	55	56	57	58	59	60	61	62	63	64	65
23	Nonzero Complement Presented Gain Lives Risky Choices	.299**	.347**	.423**	.395**	-.095	-.123	-.035	.071	.086	-.099	.182	-.227*	.176
24	Nonzero Complement Presented Gain Lives Signed Confidence	.272**	.324**	.376**	.359**	-.121	-.170	-.056	.062	.115	-.126	.217*	-.290**	.198*
25	Gain Money Risky Choices	.582**	.610**	.592**	.607**	-.205*	-.296**	.299**	-.199*	.133	-.144	.181	-.301**	.011
26	Gain Money Signed Confidence	.552**	.595**	.557**	.585**	-.206*	-.333**	.277**	-.212*	.143	-.160	.177	-.351**	.007
27	Zero Complement Presented Gain Money Risky Choices	.494**	.526**	.539**	.561**	-.216*	-.266**	.569**	-.462**	.033	-.023	.021	-.112	.058
28	Zero Complement Presented Gain Money Signed Confidence	.483**	.528**	.524**	.561**	-.219*	-.291**	.555**	-.497**	.044	-.039	.015	-.118	.054
29	Both Complements Presented Gain Money Risky Choices	.553**	.560**	.503**	.510**	-.140	-.233*	.118	-.050	.254*	-.264**	.089	-.211*	-.043
30	Both Complements Presented Gain Money Signed Confidence	.550**	.573**	.525**	.538**	-.138	-.242*	.116	-.075	.243*	-.267**	.075	-.205*	-.038
31	Nonzero Complement Presented Gain Money Risky Choices	.488**	.522**	.515**	.524**	-.185	-.278**	.123	-.035	.061	-.088	.349**	-.451**	.017
32	Nonzero Complement Presented Gain Money Signed Confidence	.448**	.491**	.442**	.468**	-.185	-.331**	.123	-.054	.098	-.120	.309**	-.513**	.005
33	Loss Risky Choices	.796**	.827**	.839**	.835**	.578**	.476**	-.227*	.277**	-.459**	.455**	-.483**	.346**	-.508**
34	Loss Signed Confidence	.768**	.832**	.821**	.847**	.546**	.500**	-.237*	.291**	-.419**	.478**	-.467**	.364**	-.471**
35	Zero Complement Presented Loss Risky Choices	.650**	.671**	.647**	.638**	.469**	.386**	-.473**	.541**	-.255*	.278**	-.198*	.081	-.391**
36	Zero Complement Presented Loss Signed Confidence	.619**	.673**	.640**	.651**	.455**	.418**	-.458**	.555**	-.248*	.309**	-.206*	.107	-.382**
37	Both Complements Presented Loss Risky Choices	.863**	.869**	.753**	.759**	.546**	.436**	-.116	.147	-.567**	.528**	-.435**	.321**	-.463**
38	Both Complements Presented Loss Signed Confidence	.816**	.870**	.763**	.795**	.520**	.474**	-.151	.186	-.483**	.544**	-.446**	.350**	-.437**
39	Nonzero Complement Presented Loss Risky Choices	.666**	.718**	.856**	.849**	.547**	.463**	-.074	.115	-.404**	.413**	-.633**	.493**	-.513**
40	Nonzero Complement Presented Loss Signed Confidence	.680**	.748**	.846**	.872**	.526**	.483**	-.084	.109	-.405**	.447**	-.601**	.510**	-.472**
41	Loss Lives Risky Choices	.522**	.567**	.608**	.598**	.539**	.446**	-.154	.259**	-.352**	.357**	-.533**	.380**	-.563**
42	Loss Lives Signed Confidence	.497**	.566**	.594**	.608**	.505**	.483**	-.177	.282**	-.310**	.392**	-.511**	.405**	-.511**

		53	54	55	56	57	58	59	60	61	62	63	64	65
43	Zero Complement Presented Loss Lives Risky Choices	.484**	.492**	.501**	.476**	.410**	.335**	-.312**	.483**	-.172	.193	-.224*	.097	-.391**
44	Zero Complement Presented Loss Lives Signed Confidence	.447**	.493**	.510**	.499**	.393**	.365**	-.292**	.497**	-.168	.230*	-.223*	.113	-.385**
45	Both Complements Presented Loss Lives Risky Choices	.488**	.532**	.573**	.561**	.484**	.393**	-.079	.142	-.425**	.398**	-.458**	.342**	-.493**
46	Both Complements Presented Loss Lives Signed Confidence	.470**	.532**	.562**	.583**	.459**	.451**	-.136	.190	-.335**	.438**	-.467**	.384**	-.448**
47	Nonzero Complement Presented Loss Lives Risky Choices	.422**	.482**	.533**	.539**	.516**	.437**	-.046	.099	-.315**	.333**	-.672**	.518**	-.581**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.420**	.493**	.518**	.542**	.491**	.465**	-.071	.113	-.304**	.358**	-.631**	.542**	-.523**
49	Loss Money Risky Choices	.920**	.930**	.912**	.911**	.479**	.391**	-.265**	.245*	-.444**	.428**	-.324**	.227*	-.320**
50	Loss Money Signed Confidence	.890**	.938**	.894**	.924**	.469**	.410**	-.257*	.249*	-.429**	.449**	-.331**	.244*	-.324**
51	Zero Complement Presented Loss Money Risky Choices	.669**	.700**	.647**	.658**	.416**	.345**	-.533**	.468**	-.285**	.303**	-.118	.043	-.293**
52	Zero Complement Presented Loss Money Signed Confidence	.650**	.701**	.628**	.657**	.415**	.378**	-.521**	.489**	-.273**	.319**	-.144	.077	-.294**
53	Both Complements Presented Loss Money Risky Choices	1	.967**	.771**	.783**	.452**	.352**	-.142	.126	-.540**	.496**	-.298**	.214*	-.293**
54	Both Complements Presented Loss Money Signed Confidence	.967**	1	.802**	.831**	.447**	.372**	-.139	.144	-.510**	.514**	-.313**	.225*	-.307**
55	Nonzero Complement Presented Loss Money Risky Choices	.771**	.802**	1	.978**	.435**	.368**	-.083	.103	-.400**	.395**	-.425**	.328**	-.297**
56	Nonzero Complement Presented Loss Money Signed Confidence	.783**	.831**	.978**	1	.429**	.379**	-.073	.077	-.412**	.430**	-.425**	.345**	-.298**
57	Framing Index	.452**	.447**	.435**	.429**	1	.937**	-.571**	.602**	-.818**	.806**	-.753**	.702**	-.849**
58	Signed Confidence Framing Index	.352**	.372**	.368**	.379**	.937**	1	-.554**	.623**	-.754**	.835**	-.730**	.787**	-.751**
59	Zero Complement Presented Framing Index	-.142	-.139	-.083	-.073	-.571**	-.554**	1	-.844**	.285**	-.292**	.125	-.141	.315**
60	Zero Complement Presented Signed Confidence Framing Index	.126	.144	.103	.077	.602**	.623**	-.844**	1	-.284**	.330**	-.108	.114	-.501**
61	Both Complements Presented Framing Index	-.540**	-.510**	-.400**	-.412**	-.818**	-.754**	.285**	-.284**	1	-.924**	.530**	-.520**	.650**
62	Both Complements Presented Signed Confidence Framing Index	.496**	.514**	.395**	.430**	.806**	.835**	-.292**	.330**	-.924**	1	-.560**	.582**	-.632**

	53	54	55	56	57	58	59	60	61	62	63	64	65	
63	Nonzero Complement Presented Framing Index	-.298**	-.313**	-.425**	-.425**	-.753**	-.730**	.125	-.108	.530**	-.560**	<sup>1</sup>	-.909**	.669**
64	Nonzero Complement Presented Signed Confidence Framing Index	.214*	.225*	.328**	.345**	.702**	.787**	-.141	.114	-.520**	.582**	-.909**	<sup>1</sup>	-.559**
65	Lives Framing Index	-.293**	-.307**	-.297**	-.298**	-.849**	-.751**	.315**	-.501**	.650**	-.632**	.669**	-.559**	<sup>1</sup>
66	Lives Signed Confidence Framing Index	-.254*	-.288**	-.292**	-.309**	-.804**	-.823**	.304**	-.529**	.600**	-.694**	.658**	-.627**	.922**
67	Zero Complement Presented Lives Framing Index	-.142	-.139	-.083	-.073	-.571**	-.554**	1.000**	-.844**	.285**	-.292**	.125	-.141	.315**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.092	.123	.114	.075	.474**	.476**	-.468**	.849**	-.211*	.255*	-.043	.012	-.578**
69	Both Complements Presented Lives Framing Index	-.286**	-.282**	-.310**	-.317**	-.710**	-.620**	.199*	-.283**	.812**	-.728**	.455**	-.411**	.793**
70	Both Complements Presented Lives Signed Confidence Framing Index	.271**	.287**	.334**	.366**	.682**	.704**	-.217*	.317**	-.697**	.796**	-.500**	.496**	-.737**
71	Nonzero Complement Presented Lives Framing Index	-.177	-.200	-.182	-.210*	-.602**	-.548**	.013	-.042	.395**	-.423**	.849**	-.715**	.739**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.176	.205*	.178	.215*	.589**	.609**	-.017	.060	-.406**	.467**	-.828**	.786**	-.690**
73	Money Framing Index	-.468**	-.447**	-.452**	-.435**	-.821**	-.816**	.664**	-.527**	.697**	-.689**	.603**	-.620**	.406**
74	Money Signed Confidence Framing Index	-.332**	-.334**	-.333**	-.332**	-.770**	-.856**	.618**	-.531**	.649**	-.693**	.582**	-.692**	.370**
75	Zero Complement Presented Money Framing Index	-.142	-.139	-.083	-.073	-.571**	-.554**	1.000**	-.844**	.285**	-.292**	.125	-.141	.315**
76	Zero Complement Presented Money Signed Confidence Framing Index	.124	.127	.068	.060	.564**	.597**	-.965**	.884**	-.278**	.314**	-.139	.176	-.307**
77	Both Complements Presented Money Framing Index	-.583**	-.538**	-.387**	-.388**	-.625**	-.610**	.296**	-.205*	.816**	-.772**	.421**	-.445**	.257*
78	Both Complements Presented Money Signed Confidence Framing Index	.518**	.531**	.371**	.383**	.624**	.655**	-.303**	.259**	-.779**	.804**	-.429**	.464**	-.272**
79	Nonzero Complement Presented Money Framing Index	-.327**	-.327**	-.545**	-.513**	-.637**	-.658**	.207*	-.142	.479**	-.500**	.786**	-.785**	.328**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.155	.148	.323**	.314**	.549**	.664**	-.191	.121	-.442**	.480**	-.679**	.833**	-.248*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		66	67	68	69	70	71	72	73	74	75	76	77	78
1	Age (Years)	-.085	-.160	.120	.051	-.012	-.034	.086	-.216*	-.213*	-.160	.179	-.249*	.232*
2	Gender (0 = female)	.033	.226*	-.181	.049	.079	.057	.003	.114	.115	.226*	-.191	.075	-.095
3	Risky Choices	-.184	-.016	.105	-.155	.173	-.154	.119	-.187	-.077	-.016	.008	-.156	.146
4	Signed Confidence	-.186	-.023	.086	-.134	.187	-.147	.124	-.149	-.036	-.023	.013	-.113	.120
5	Lives Risky Choices	-.162	-.038	.089	-.090	.106	-.204*	.166	-.223*	-.160	-.038	.047	-.116	.128
6	Lives Signed Confidence	-.171	-.068	.076	-.068	.137	-.183	.171	-.214*	-.163	-.068	.079	-.091	.117
7	Money Risky Choices	-.152	.006	.100	-.170	.188	-.055	.033	-.109	.024	.006	-.031	-.161	.131
8	Money Signed Confidence	-.150	.021	.078	-.155	.181	-.074	.047	-.058	.087	.021	-.050	-.110	.097
9	Gain Risky Choices	.175	.240*	-.107	.162	-.131	.114	-.143	.180	.268**	.240*	-.245*	.123	-.132
10	Gain Signed Confidence	.175	.216*	-.122	.138	-.124	.094	-.143	.208*	.333**	.216*	-.245*	.153	-.166
11	Zero Complement Presented Gain Risky Choices	.174	.466**	-.407**	.099	-.048	-.060	.036	.152	.214*	.466**	-.448**	-.021	.000
12	Zero Complement Presented Gain Signed Confidence	.173	.447**	-.425**	.079	-.034	-.076	.039	.165	.242*	.447**	-.469**	.009	-.031
13	Both Complements Presented Gain Risky Choices	.131	.131	-.021	.270**	-.209*	.033	-.067	.164	.244*	.131	-.141	.256*	-.261**
14	Both Complements Presented Gain Signed Confidence	.135	.100	-.041	.235*	-.204*	.024	-.061	.156	.249*	.100	-.120	.248*	-.265**
15	Nonzero Complement Presented Gain Risky Choices	.156	.053	.122	.050	-.081	.313**	-.331**	.155	.241*	.053	-.072	.076	-.075
16	Nonzero Complement Presented Gain Signed Confidence	.156	.061	.090	.057	-.087	.263**	-.314**	.220*	.373**	.061	-.093	.140	-.137
17	Gain Lives Risky Choices	.258**	.105	-.174	.271**	-.229*	.133	-.148	-.036	.009	.105	-.092	.001	.005
18	Gain Lives Signed Confidence	.274**	.067	-.191	.253*	-.232*	.129	-.161	-.028	.024	.067	-.071	.020	-.015
19	Zero Complement Presented Gain Lives Risky Choices	.233*	.218*	-.476**	.180	-.118	-.068	.048	-.063	-.016	.218*	-.193	-.104	.078
20	Zero Complement Presented Gain Lives Signed Confidence	.233*	.196	-.489**	.163	-.103	-.082	.052	-.062	-.006	.196	-.201*	-.085	.058
21	Both Complements Presented Gain Lives Risky Choices	.222*	.100	-.107	.403**	-.338**	.027	-.049	.016	.043	.100	-.085	.083	-.062
22	Both Complements Presented Gain Lives Signed Confidence	.231*	.052	-.115	.373**	-.351**	.020	-.046	.009	.039	.052	-.038	.077	-.059

		66	67	68	69	70	71	72	73	74	75	76	77	78
23	Nonzero Complement Presented Gain Lives Risky Choices	.205*	-.035	.098	.096	-.114	.366**	-.363**	-.052	-.008	-.035	.030	.008	.008
24	Nonzero Complement Presented Gain Lives Signed Confidence	.251*	-.056	.071	.112	-.134	.384**	-.413**	-.026	.028	-.056	.039	.048	-.028
25	Gain Money Risky Choices	.037	.299**	-.007	.002	.007	.061	-.095	.339**	.440**	.299**	-.320**	.205*	-.226*
26	Gain Money Signed Confidence	.043	.277**	-.031	.002	.001	.040	-.089	.344**	.494**	.277**	-.319**	.219*	-.243*
27	Zero Complement Presented Gain Money Risky Choices	.063	.569**	-.217*	-.010	.035	-.034	.013	.316**	.374**	.569**	-.564**	.067	-.076
28	Zero Complement Presented Gain Money Signed Confidence	.074	.555**	-.255*	-.017	.036	-.052	.017	.326**	.402**	.555**	-.587**	.091	-.103
29	Both Complements Presented Gain Money Risky Choices	-.015	.118	.079	.029	.006	.029	-.064	.267**	.376**	.118	-.151	.356**	-.388**
30	Both Complements Presented Gain Money Signed Confidence	-.005	.116	.046	.021	.009	.021	-.058	.254*	.380**	.116	-.164	.343**	-.390**
31	Nonzero Complement Presented Gain Money Risky Choices	.051	.123	.103	-.014	-.019	.155	-.188	.307**	.404**	.123	-.148	.116	-.131
32	Nonzero Complement Presented Gain Money Signed Confidence	.044	.123	.076	.002	-.028	.106	-.158	.322**	.497**	.123	-.156	.160	-.170
33	Loss Risky Choices	-.456**	-.227*	.266**	-.396**	.401**	-.354**	.320**	-.465**	-.353**	-.227*	.218*	-.363**	.355**
34	Loss Signed Confidence	-.485**	-.237*	.261**	-.360**	.439**	-.343**	.347**	-.450**	-.367**	-.237*	.245*	-.336**	.360**
35	Zero Complement Presented Loss Risky Choices	-.350**	-.473**	.476**	-.219*	.266**	-.098	.060	-.416**	-.314**	-.473**	.463**	-.231*	.236*
36	Zero Complement Presented Loss Signed Confidence	-.391**	-.458**	.485**	-.223*	.301**	-.119	.102	-.396**	-.326**	-.458**	.479**	-.209*	.244*
37	Both Complements Presented Loss Risky Choices	-.397**	-.116	.153	-.462**	.415**	-.314**	.291**	-.434**	-.328**	-.116	.104	-.444**	.409**
38	Both Complements Presented Loss Signed Confidence	-.450**	-.151	.173	-.390**	.473**	-.326**	.329**	-.428**	-.348**	-.151	.152	-.390**	.400**
39	Nonzero Complement Presented Loss Risky Choices	-.477**	-.074	.133	-.376**	.394**	-.509**	.475**	-.413**	-.317**	-.074	.070	-.310**	.317**
40	Nonzero Complement Presented Loss Signed Confidence	-.487**	-.084	.103	-.365**	.422**	-.472**	.494**	-.416**	-.336**	-.084	.087	-.318**	.339**
41	Loss Lives Risky Choices	-.493**	-.154	.298**	-.383**	.375**	-.457**	.406**	-.345**	-.278**	-.154	.159	-.196	.212*
42	Loss Lives Signed Confidence	-.534**	-.177	.297**	-.339**	.438**	-.427**	.433**	-.343**	-.301**	-.177	.197	-.173	.213*

		66	67	68	69	70	71	72	73	74	75	76	77	78
43	Zero Complement Presented Loss Lives Risky Choices	-.337**	-.312**	.525**	-.157	.195	-.120	.072	-.320**	-.250*	-.312**	.326**	-.150	.161
44	Zero Complement Presented Loss Lives Signed Confidence	-.391**	-.292**	.555**	-.180	.252*	-.126	.104	-.294**	-.248*	-.292**	.322**	-.118	.161
45	Both Complements Presented Loss Lives Risky Choices	-.422**	-.079	.184	-.490**	.427**	-.347**	.313**	-.306**	-.245*	-.079	.070	-.184	.188
46	Both Complements Presented Loss Lives Signed Confidence	-.490**	-.136	.185	-.386**	.527**	-.359**	.360**	-.318**	-.282**	-.136	.146	-.151	.176
47	Nonzero Complement Presented Loss Lives Risky Choices	-.524**	-.046	.121	-.343**	.350**	-.673**	.621**	-.287**	-.237*	-.046	.054	-.180	.205*
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.536**	-.071	.109	-.319**	.369**	-.608**	.639**	-.302**	-.271**	-.071	.089	-.184	.226*
49	Loss Money Risky Choices	-.299**	-.265**	.181	-.297**	.320**	-.151	.144	-.501**	-.363**	-.265**	.240*	-.470**	.438**
50	Loss Money Signed Confidence	-.326**	-.257*	.179	-.291**	.337**	-.181	.183	-.477**	-.366**	-.257*	.248*	-.440**	.443**
51	Zero Complement Presented Loss Money Risky Choices	-.276**	-.533**	.300**	-.233*	.278**	-.050	.032	-.417**	-.306**	-.533**	.500**	-.262**	.260**
52	Zero Complement Presented Loss Money Signed Confidence	-.305**	-.521**	.307**	-.216*	.283**	-.086	.078	-.410**	-.331**	-.521**	.528**	-.252*	.272**
53	Both Complements Presented Loss Money Risky Choices	-.254*	-.142	.092	-.286**	.271**	-.177	.176	-.468**	-.332**	-.142	.124	-.583**	.518**
54	Both Complements Presented Loss Money Signed Confidence	-.288**	-.139	.123	-.282**	.287**	-.200	.205*	-.447**	-.334**	-.139	.127	-.538**	.531**
55	Nonzero Complement Presented Loss Money Risky Choices	-.292**	-.083	.114	-.310**	.334**	-.182	.178	-.452**	-.333**	-.083	.068	-.387**	.371**
56	Nonzero Complement Presented Loss Money Signed Confidence	-.309**	-.073	.075	-.317**	.366**	-.210*	.215*	-.435**	-.332**	-.073	.060	-.388**	.383**
57	Framing Index	-.804**	-.571**	.474**	-.710**	.682**	-.602**	.589**	-.821**	-.770**	-.571**	.564**	-.625**	.624**
58	Signed Confidence Framing Index	-.823**	-.554**	.476**	-.620**	.704**	-.548**	.609**	-.816**	-.856**	-.554**	.597**	-.610**	.655**
59	Zero Complement Presented Framing Index	.304**	1.000**	-.468**	.199*	-.217*	.013	-.017	.664**	.618**	1.000**	-.965**	.296**	-.303**
60	Zero Complement Presented Signed Confidence Framing Index	-.529**	-.844**	.849**	-.283**	.317**	-.042	.060	-.527**	-.531**	-.844**	.884**	-.205*	.259**
61	Both Complements Presented Framing Index	.600**	.285**	-.211*	.812**	-.697**	.395**	-.406**	.697**	.649**	.285**	-.278**	.816**	-.779**
62	Both Complements Presented Signed Confidence Framing Index	-.694**	-.292**	.255*	-.728**	.796**	-.423**	.467**	-.689**	-.693**	-.292**	.314**	-.772**	.804**

	66	67	68	69	70	71	72	73	74	75	76	77	78	
63	Nonzero Complement Presented Framing Index	.658**	.125	-.043	.455**	-.500**	.849**	-.828**	.603**	.582**	.125	-.139	.421**	-.429**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.627**	-.141	.012	-.411**	.496**	-.715**	.786**	-.620**	-.692**	-.141	.176	-.445**	.464**
65	Lives Framing Index	.922**	.315**	-.578**	.793**	-.737**	.739**	-.690**	.406**	.370**	.315**	-.307**	.257*	-.272**
66	Lives Signed Confidence Framing Index	1	.304**	-.599**	.725**	-.827**	.700**	-.745**	.410**	.416**	.304**	-.335**	.248*	-.293**
67	Zero Complement Presented Lives Framing Index	.304**	1	-.468**	.199*	-.217*	.013	-.017	.664**	.618**	1.000**	-.965**	.296**	-.303**
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.599**	-.468**	1	-.328**	.343**	-.047	.053	-.230*	-.237*	-.468**	.503**	-.036	.103
69	Both Complements Presented Lives Framing Index	.725**	.199*	-.328**	1	-.858**	.426**	-.410**	.368**	.328**	.199*	-.173	.306**	-.288**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.827**	-.217*	.343**	-.858**	1	-.446**	.476**	-.385**	-.375**	-.217*	.214*	-.265**	.275**
71	Nonzero Complement Presented Lives Framing Index	.700**	.013	-.047	.426**	-.446**	1	-.944**	.253*	.248*	.013	-.027	.200	-.214*
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.745**	-.017	.053	-.410**	.476**	-.944**	1	-.283**	-.308**	-.017	.052	-.236*	.262**
73	Money Framing Index	.410**	.664**	-.230*	.368**	-.385**	.253*	-.283**	1	.944**	.664**	-.658**	.808**	-.792**
74	Money Signed Confidence Framing Index	.416**	.618**	-.237*	.328**	-.375**	.248*	-.308**	.944**	1	.618**	-.658**	.751**	-.783**
75	Zero Complement Presented Money Framing Index	.304**	1.000**	-.468**	.199*	-.217*	.013	-.017	.664**	.618**	1	-.965**	.296**	-.303**
76	Zero Complement Presented Money Signed Confidence Framing Index	-.335**	-.965**	.503**	-.173	.214*	-.027	.052	-.658**	-.658**	-.965**	1	-.304**	.332**
77	Both Complements Presented Money Framing Index	.248*	.296**	-.036	.306**	-.265**	.200	-.236*	.808**	.751**	.296**	-.304**	1	-.959**
78	Both Complements Presented Money Signed Confidence Framing Index	-.293**	-.303**	.103	-.288**	.275**	-.214*	.262**	-.792**	-.783**	-.303**	.332**	-.959**	1
79	Nonzero Complement Presented Money Framing Index	.356**	.207*	-.019	.311**	-.369**	.340**	-.369**	.774**	.744**	.207*	-.216*	.521**	-.520**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.299**	-.191	-.021	-.261**	.329**	-.283**	.343**	-.701**	-.805**	-.191	.216*	-.488**	.496**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		79	80
1	Age (Years)	-.084	.098
2	Gender (0 = female)	-.038	-.003
3	Risky Choices	-.245*	.039
4	Signed Confidence	-.197	-.023
5	Lives Risky Choices	-.338**	.175
6	Lives Signed Confidence	-.315**	.165
7	Money Risky Choices	-.097	-.105
8	Money Signed Confidence	-.048	-.187
9	Gain Risky Choices	.039	-.208*
10	Gain Signed Confidence	.094	-.308**
11	Zero Complement Presented Gain Risky Choices	-.100	-.046
12	Zero Complement Presented Gain Signed Confidence	-.080	-.061
13	Both Complements Presented Gain Risky Choices	-.017	-.151
14	Both Complements Presented Gain Signed Confidence	.001	-.172
15	Nonzero Complement Presented Gain Risky Choices	.207*	-.335**
16	Nonzero Complement Presented Gain Signed Confidence	.283**	-.526**
17	Gain Lives Risky Choices	-.186	.061
18	Gain Lives Signed Confidence	-.150	.029
19	Zero Complement Presented Gain Lives Risky Choices	-.249*	.131
20	Zero Complement Presented Gain Lives Signed Confidence	-.243*	.133
21	Both Complements Presented Gain Lives Risky Choices	-.141	.035
22	Both Complements Presented Gain Lives Signed Confidence	-.107	.005

23	Nonzero Complement Presented Gain Lives Risky Choices	-.097	.001
24	Nonzero Complement Presented Gain Lives Signed Confidence	-.055	-.051
25	Gain Money Risky Choices	.250*	-.410**
26	Gain Money Signed Confidence	.269**	-.500**
27	Zero Complement Presented Gain Money Risky Choices	.077	-.205*
28	Zero Complement Presented Gain Money Signed Confidence	.089	-.221*
29	Both Complements Presented Gain Money Risky Choices	.124	-.300**
30	Both Complements Presented Gain Money Signed Confidence	.110	-.294**
31	Nonzero Complement Presented Gain Money Risky Choices	.439**	-.552**
32	Nonzero Complement Presented Gain Money Signed Confidence	.429**	-.693**
33	Loss Risky Choices	-.445**	.238*
34	Loss Signed Confidence	-.430**	.240*
35	Zero Complement Presented Loss Risky Choices	-.237*	.066
36	Zero Complement Presented Loss Signed Confidence	-.228*	.068
37	Both Complements Presented Loss Risky Choices	-.404**	.231*
38	Both Complements Presented Loss Signed Confidence	-.409**	.242*
39	Nonzero Complement Presented Loss Risky Choices	-.535**	.321**
40	Nonzero Complement Presented Loss Signed Confidence	-.522**	.327**
41	Loss Lives Risky Choices	-.413**	.244*
42	Loss Lives Signed Confidence	-.409**	.258*

		79	80
43	Zero Complement Presented Loss Lives Risky Choices	-.258**	.108
44	Zero Complement Presented Loss Lives Signed Confidence	-.251*	.106
45	Both Complements Presented Loss Lives Risky Choices	-.406**	.261**
46	Both Complements Presented Loss Lives Signed Confidence	-.409**	.283**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.407**	.259*
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.411**	.279**
49	Loss Money Risky Choices	-.399**	.193
50	Loss Money Signed Confidence	-.378**	.186
51	Zero Complement Presented Loss Money Risky Choices	-.152	.003
52	Zero Complement Presented Loss Money Signed Confidence	-.154	.016
53	Both Complements Presented Loss Money Risky Choices	-.327**	.155
54	Both Complements Presented Loss Money Signed Confidence	-.327**	.148
55	Nonzero Complement Presented Loss Money Risky Choices	-.545**	.323**
56	Nonzero Complement Presented Loss Money Signed Confidence	-.513**	.314**
57	Framing Index	-.637**	.549**
58	Signed Confidence Framing Index	-.658**	.664**
59	Zero Complement Presented Framing Index	.207*	-.191
60	Zero Complement Presented Signed Confidence Framing Index	-.142	.121
61	Both Complements Presented Framing Index	.479**	-.442**
62	Both Complements Presented Signed Confidence Framing Index	-.500**	.480**

		79	80
63	Nonzero Complement Presented Framing Index	.786**	-.679**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.785**	.833**
65	Lives Framing Index	.328**	-.248*
66	Lives Signed Confidence Framing Index	.356**	-.299**
67	Zero Complement Presented Lives Framing Index	.207*	-.191
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.019	-.021
69	Both Complements Presented Lives Framing Index	.311**	-.261**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.369**	.329**
71	Nonzero Complement Presented Lives Framing Index	.340**	-.283**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.369**	.343**
73	Money Framing Index	.774**	-.701**
74	Money Signed Confidence Framing Index	.744**	-.805**
75	Zero Complement Presented Money Framing Index	.207*	-.191
76	Zero Complement Presented Money Signed Confidence Framing Index	-.216*	.216*
77	Both Complements Presented Money Framing Index	.521**	-.488**
78	Both Complements Presented Money Signed Confidence Framing Index	-.520**	.496**
79	Nonzero Complement Presented Money Framing Index	1	-.879**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.879**	1

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

Appendix J

Correlations among framing measures

N = 32

(Participants who completed the framing task in an MRI scanner)

		1	2	3	4	5	6	7	8	9	10	11	12
1	Age (Years)	1	.199	.312	.358*	.180	.239	.350*	.362*	.269	.271	.231	.219
2	Gender (0 = female)	.199	1	.045	.023	-.055	-.089	.152	.144	-.068	-.095	-.152	-.145
3	Risky Choices	.312	.045	1	.992**	.860**	.868**	.771**	.768**	.816**	.825**	.624**	.676**
4	Signed Confidence	.358*	.023	.992**	1	.831**	.854**	.791**	.798**	.825**	.842**	.625**	.681**
5	Lives Risky Choices	.180	-.055	.860**	.831**	1	.988**	.338	.341	.715**	.708**	.637**	.680**
6	Lives Signed Confidence	.239	-.089	.868**	.854**	.988**	1	.367*	.369*	.724**	.729**	.630**	.681**
7	Money Risky Choices	.350*	.152	.771**	.791**	.338	.367*	1	.990**	.612**	.637**	.355*	.399*
8	Money Signed Confidence	.362*	.144	.768**	.798**	.341	.369*	.990**	1	.638**	.661**	.388*	.429*
9	Gain Risky Choices	.269	-.068	.816**	.825**	.715**	.724**	.612**	.638**	1	.987**	.731**	.786**
10	Gain Signed Confidence	.271	-.095	.825**	.842**	.708**	.729**	.637**	.661**	.987**	1	.692**	.775**
11	Zero Complement Presented Gain Risky Choices	.231	-.152	.624**	.625**	.637**	.630**	.355*	.388*	.731**	.692**	1	.973**
12	Zero Complement Presented Gain Signed Confidence	.219	-.145	.676**	.681**	.680**	.681**	.399*	.429*	.786**	.775**	.973**	1
13	Both Complements Presented Gain Risky Choices	.039	-.105	.717**	.729**	.635**	.643**	.530**	.559**	.881**	.898**	.484**	.584**
14	Both Complements Presented Gain Signed Confidence	.047	-.142	.728**	.744**	.634**	.653**	.552**	.575**	.860**	.891**	.455**	.566**
15	Nonzero Complement Presented Gain Risky Choices	.401*	.090	.633**	.642**	.462**	.482**	.590**	.590**	.805**	.793**	.323	.375*
16	Nonzero Complement Presented Gain Signed Confidence	.431*	.057	.633**	.655**	.440*	.470**	.618**	.626**	.795**	.802**	.323	.384*
17	Gain Lives Risky Choices	.213	-.092	.682**	.666**	.854**	.851**	.192	.204	.822**	.795**	.714**	.745**
18	Gain Lives Signed Confidence	.229	-.144	.695**	.687**	.855**	.872**	.215	.218	.803**	.805**	.669**	.729**
19	Zero Complement Presented Gain Lives Risky Choices	.218	-.143	.591**	.582**	.767**	.762**	.133	.158	.687**	.650**	.879**	.861**
20	Zero Complement Presented Gain Lives Signed Confidence	.221	-.151	.660**	.653**	.824**	.836**	.188	.199	.721**	.717**	.825**	.860**
21	Both Complements Presented Gain Lives Risky Choices	.123	-.108	.620**	.617**	.758**	.760**	.198	.223	.819**	.814**	.613**	.681**
22	Both Complements Presented Gain Lives Signed Confidence	.168	-.180	.643**	.647**	.769**	.791**	.225	.242	.806**	.824**	.580**	.668**

		1	2	3	4	5	6	7	8	9	10	11	12
23	Nonzero Complement Presented Gain Lives Risky Choices	.239	-.001	.613**	.583**	.765**	.761**	.177	.161	.686**	.652**	.450**	.475**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.244	-.058	.605**	.583**	.756**	.768**	.173	.152	.668**	.654**	.444*	.480**
25	Gain Money Risky Choices	.190	.002	.529**	.566**	.129	.146	.815**	.844**	.666**	.680**	.339	.394*
26	Gain Money Signed Confidence	.174	.017	.530**	.569**	.141	.154	.801**	.839**	.670**	.690**	.340	.406*
27	Zero Complement Presented Gain Money Risky Choices	.167	-.111	.447*	.461**	.253	.246	.508**	.540**	.532**	.502**	.803**	.773**
28	Zero Complement Presented Gain Money Signed Confidence	.132	-.082	.437*	.454**	.244	.232	.501**	.543**	.564**	.548**	.779**	.786**
29	Both Complements Presented Gain Money Risky Choices	-.079	-.052	.495**	.519**	.194	.204	.671**	.691**	.540**	.576**	.106	.197
30	Both Complements Presented Gain Money Signed Confidence	-.105	-.040	.514**	.535**	.219	.226	.674**	.694**	.556**	.587**	.126	.215
31	Nonzero Complement Presented Gain Money Risky Choices	.333	.129	.294	.336	-.096	-.066	.662**	.678**	.467**	.483**	.016	.065
32	Nonzero Complement Presented Gain Money Signed Confidence	.361*	.129	.310	.360*	-.083	-.053	.675**	.705**	.471**	.494**	.038	.087
33	Loss Risky Choices	.274	.115	.913**	.894**	.775**	.782**	.716**	.693**	.510**	.531**	.413*	.452**
34	Loss Signed Confidence	.350*	.107	.916**	.916**	.755**	.776**	.747**	.739**	.539**	.555**	.450**	.474**
35	Zero Complement Presented Loss Risky Choices	.298	-.113	.771**	.773**	.653**	.690**	.607**	.583**	.506**	.527**	.269	.294
36	Zero Complement Presented Loss Signed Confidence	.357*	-.111	.789**	.812**	.655**	.704**	.637**	.636**	.530**	.548**	.320	.335
37	Both Complements Presented Loss Risky Choices	.207	.060	.844**	.824**	.671**	.676**	.718**	.691**	.482**	.508**	.442*	.490**
38	Both Complements Presented Loss Signed Confidence	.294	.055	.882**	.879**	.671**	.690**	.788**	.772**	.550**	.572**	.479**	.514**
39	Nonzero Complement Presented Loss Risky Choices	.218	.316	.770**	.741**	.696**	.676**	.552**	.542**	.356*	.367*	.360*	.390*
40	Nonzero Complement Presented Loss Signed Confidence	.295	.306	.794**	.777**	.701**	.694**	.590**	.586**	.382*	.387*	.404*	.419*
41	Loss Lives Risky Choices	.111	-.012	.815**	.782**	.895**	.879**	.385*	.380*	.460**	.472**	.426*	.468**
42	Loss Lives Signed Confidence	.195	-.018	.832**	.816**	.889**	.893**	.425*	.425*	.487**	.495**	.452**	.484**

		1	2	3	4	5	6	7	8	9	10	11	12
43	Zero Complement Presented Loss Lives Risky Choices	.216	-.092	.689**	.675**	.728**	.745**	.362*	.343	.428*	.435*	.233	.259
44	Zero Complement Presented Loss Lives Signed Confidence	.242	-.090	.718**	.722**	.753**	.783**	.383*	.384*	.460**	.467**	.295	.322
45	Both Complements Presented Loss Lives Risky Choices	.022	.017	.775**	.735**	.832**	.802**	.390*	.385*	.481**	.495**	.475**	.532**
46	Both Complements Presented Loss Lives Signed Confidence	.122	.001	.825**	.801**	.845**	.839**	.467**	.461**	.521**	.536**	.503**	.553**
47	Nonzero Complement Presented Loss Lives Risky Choices	.063	.037	.676**	.645**	.787**	.760**	.265	.273	.305	.315	.399*	.427*
48	Nonzero Complement Presented Loss Lives Signed Confidence	.167	.035	.718**	.696**	.814**	.803**	.308	.315	.350*	.349	.427*	.437*
49	Loss Money Risky Choices	.387*	.230	.768**	.770**	.415*	.446*	.898**	.861**	.422*	.449**	.281	.305
50	Loss Money Signed Confidence	.431*	.215	.781**	.798**	.425*	.458**	.911**	.896**	.461**	.483**	.336	.347
51	Zero Complement Presented Loss Money Risky Choices	.312	-.106	.652**	.673**	.376*	.427*	.733**	.708**	.458**	.488**	.236	.252
52	Zero Complement Presented Loss Money Signed Confidence	.388*	-.104	.648**	.686**	.358*	.414*	.748**	.747**	.460**	.487**	.257	.257
53	Both Complements Presented Loss Money Risky Choices	.329	.083	.607**	.616**	.251	.291	.806**	.764**	.305	.335	.244	.264
54	Both Complements Presented Loss Money Signed Confidence	.375*	.091	.682**	.700**	.310	.348	.871**	.849**	.421*	.442*	.318	.329
55	Nonzero Complement Presented Loss Money Risky Choices	.324	.526**	.662**	.642**	.412*	.405*	.706**	.680**	.313	.323	.222	.247
56	Nonzero Complement Presented Loss Money Signed Confidence	.346	.493**	.670**	.661**	.417*	.414*	.715**	.702**	.318	.327	.281	.297
57	Framing Index	.096	.185	.383*	.354*	.307	.308	.323	.276	-.221	-.187	-.116	-.115
58	Signed Confidence Framing Index	.174	.208	.356*	.340	.268	.274	.321	.291	-.229	-.221	-.076	-.120
59	Zero Complement Presented Framing Index	-.165	.017	-.274	-.283	-.161	-.213	-.304	-.259	-.038	-.086	.357*	.320
60	Zero Complement Presented Signed Confidence Framing Index	.169	.007	.225	.243	.096	.141	.295	.271	-.104	-.078	-.447*	-.453**
61	Both Complements Presented Framing Index	-.179	-.150	-.256	-.227	-.149	-.148	-.287	-.234	.253	.240	-.043	-.007
62	Both Complements Presented Signed Confidence Framing Index	.273	.197	.251	.233	.114	.117	.321	.281	-.235	-.241	.080	.010

		1	2	3	4	5	6	7	8	9	10	11	12
63	Nonzero Complement Presented Framing Index	.051	-.229	-.302	-.270	-.341	-.311	-.132	-.123	.177	.159	-.125	-.120
64	Nonzero Complement Presented Signed Confidence Framing Index	-.014	.239	.305	.275	.346	.320	.130	.121	-.173	-.173	.154	.128
65	Lives Framing Index	.079	-.074	-.256	-.235	-.183	-.166	-.245	-.227	.268	.229	.204	.187
66	Lives Signed Confidence Framing Index	.017	-.127	-.211	-.203	-.112	-.099	-.250	-.248	.279	.272	.181	.207
67	Zero Complement Presented Lives Framing Index	-.165	.017	-.274	-.283	-.161	-.213	-.304	-.259	-.038	-.086	.357*	.320
68	Zero Complement Presented Lives Signed Confidence Framing Index	.047	.042	.136	.146	.030	.049	.213	.205	-.168	-.158	-.419*	-.423*
69	Both Complements Presented Lives Framing Index	.089	-.113	-.211	-.175	-.145	-.113	-.208	-.182	.256	.237	.079	.082
70	Both Complements Presented Lives Signed Confidence Framing Index	-.046	.177	.167	.139	.063	.036	.230	.208	-.284	-.288	-.082	-.119
71	Nonzero Complement Presented Lives Framing Index	.121	-.036	-.172	-.165	-.162	-.138	-.115	-.135	.231	.197	-.035	-.042
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.038	.079	.191	.189	.161	.141	.151	.174	-.205	-.194	.047	.027
73	Money Framing Index	-.262	-.248	-.395*	-.367*	-.343	-.362*	-.300	-.237	.092	.074	-.024	-.006
74	Money Signed Confidence Framing Index	-.316	-.220	-.383*	-.366*	-.340	-.364*	-.282	-.232	.093	.087	-.064	-.017
75	Zero Complement Presented Money Framing Index	-.165	.017	-.274	-.283	-.161	-.213	-.304	-.259	-.038	-.086	.357*	.320
76	Zero Complement Presented Money Signed Confidence Framing Index	.243	-.031	.248	.269	.135	.193	.289	.257	-.007	.027	-.340	-.346
77	Both Complements Presented Money Framing Index	-.385*	-.124	-.192	-.183	-.088	-.120	-.245	-.188	.139	.138	-.153	-.099
78	Both Complements Presented Money Signed Confidence Framing Index	.480**	.130	.226	.226	.116	.149	.272	.231	-.079	-.086	.210	.138
79	Nonzero Complement Presented Money Framing Index	-.031	-.365*	-.359*	-.309	-.436*	-.406*	-.117	-.082	.080	.084	-.183	-.168
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.010	.323	.331	.284	.426*	.401*	.078	.043	-.102	-.112	.212	.187

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		13	14	15	16	17	18	19	20	21	22	23	24
1	Age (Years)	.039	.047	.401*	.431*	.213	.229	.218	.221	.123	.168	.239	.244
2	Gender (0 = female)	-.105	-.142	.090	.057	-.092	-.144	-.143	-.151	-.108	-.180	-.001	-.058
3	Risky Choices	.717**	.728**	.633**	.633**	.682**	.695**	.591**	.660**	.620**	.643**	.613**	.605**
4	Signed Confidence	.729**	.744**	.642**	.655**	.666**	.687**	.582**	.653**	.617**	.647**	.583**	.583**
5	Lives Risky Choices	.635**	.634**	.462**	.440*	.854**	.855**	.767**	.824**	.758**	.769**	.765**	.756**
6	Lives Signed Confidence	.643**	.653**	.482**	.470**	.851**	.872**	.762**	.836**	.760**	.791**	.761**	.768**
7	Money Risky Choices	.530**	.552**	.590**	.618**	.192	.215	.133	.188	.198	.225	.177	.173
8	Money Signed Confidence	.559**	.575**	.590**	.626**	.204	.218	.158	.199	.223	.242	.161	.152
9	Gain Risky Choices	.881**	.860**	.805**	.795**	.822**	.803**	.687**	.721**	.819**	.806**	.686**	.668**
10	Gain Signed Confidence	.898**	.891**	.793**	.802**	.795**	.805**	.650**	.717**	.814**	.824**	.652**	.654**
11	Zero Complement Presented Gain Risky Choices	.484**	.455**	.323	.323	.714**	.669**	.879**	.825**	.613**	.580**	.450**	.444*
12	Zero Complement Presented Gain Signed Confidence	.584**	.566**	.375*	.384*	.745**	.729**	.861**	.860**	.681**	.668**	.475**	.480**
13	Both Complements Presented Gain Risky Choices	1	.988**	.616**	.611**	.690**	.688**	.495**	.569**	.821**	.812**	.505**	.481**
14	Both Complements Presented Gain Signed Confidence	.988**	1	.605**	.599**	.668**	.686**	.466**	.561**	.795**	.816**	.500**	.478**
15	Nonzero Complement Presented Gain Risky Choices	.616**	.605**	1	.979**	.592**	.592**	.317	.370*	.538**	.546**	.708**	.697**
16	Nonzero Complement Presented Gain Signed Confidence	.611**	.599**	.979**	1	.560**	.580**	.312	.374*	.525**	.541**	.643**	.667**
17	Gain Lives Risky Choices	.690**	.668**	.592**	.560**	1	.978**	.884**	.913**	.923**	.908**	.871**	.861**
18	Gain Lives Signed Confidence	.688**	.686**	.592**	.580**	.978**	1	.849**	.923**	.908**	.935**	.861**	.883**
19	Zero Complement Presented Gain Lives Risky Choices	.495**	.466**	.317	.312	.884**	.849**	1	.963**	.762**	.737**	.634**	.641**
20	Zero Complement Presented Gain Lives Signed Confidence	.569**	.561**	.370*	.374*	.913**	.923**	.963**	1	.818**	.830**	.683**	.711**
21	Both Complements Presented Gain Lives Risky Choices	.821**	.795**	.538**	.525**	.923**	.908**	.762**	.818**	1	.970**	.692**	.686**
22	Both Complements Presented Gain Lives Signed Confidence	.812**	.816**	.546**	.541**	.908**	.935**	.737**	.830**	.970**	1	.706**	.716**

		13	14	15	16	17	18	19	20	21	22	23	24
23	Nonzero Complement Presented Gain Lives Risky Choices	.505**	.500**	.708**	.643**	.871**	.861**	.634**	.683**	.692**	.706**	1	.975**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.481**	.478**	.697**	.667**	.861**	.883**	.641**	.711**	.686**	.716**	.975**	1
25	Gain Money Risky Choices	.631**	.624**	.628**	.651**	.123	.119	.039	.060	.219	.216	.055	.037
26	Gain Money Signed Confidence	.661**	.652**	.603**	.632**	.135	.125	.052	.072	.251	.237	.040	.016
27	Zero Complement Presented Gain Money Risky Choices	.302	.283	.219	.225	.252	.212	.421*	.366*	.215	.182	.063	.043
28	Zero Complement Presented Gain Money Signed Confidence	.378*	.355*	.237	.248	.255	.214	.408*	.360*	.254	.216	.040	.017
29	Both Complements Presented Gain Money Risky Choices	.742**	.753**	.418*	.426*	.094	.107	-.049	.011	.226	.245	.049	.015
30	Both Complements Presented Gain Money Signed Confidence	.763**	.777**	.413*	.409*	.124	.125	-.027	.031	.268	.271	.065	.017
31	Nonzero Complement Presented Gain Money Risky Choices	.376*	.365*	.721**	.755**	-.017	-.007	-.174	-.147	.083	.080	.021	.030
32	Nonzero Complement Presented Gain Money Signed Confidence	.392*	.377*	.693**	.748**	-.016	-.008	-.153	-.132	.093	.088	-.005	.004
33	Loss Risky Choices	.447*	.478**	.374*	.382*	.435*	.468**	.396*	.474**	.346	.388*	.430*	.430*
34	Loss Signed Confidence	.457**	.485**	.401*	.414*	.436*	.462**	.414*	.474**	.347	.386*	.415*	.413*
35	Zero Complement Presented Loss Risky Choices	.398*	.429*	.556**	.577**	.429*	.482**	.276	.347	.324	.388*	.543**	.586**
36	Zero Complement Presented Loss Signed Confidence	.420*	.449*	.542**	.570**	.424*	.468**	.307	.362*	.332	.392*	.492**	.530**
37	Both Complements Presented Loss Risky Choices	.442*	.477**	.284	.289	.354*	.383*	.363*	.441*	.275	.308	.320	.311
38	Both Complements Presented Loss Signed Confidence	.494**	.529**	.361*	.370*	.382*	.404*	.384*	.448*	.312	.345	.336	.321
39	Nonzero Complement Presented Loss Risky Choices	.333	.350*	.171	.167	.359*	.368*	.385*	.441*	.305	.323	.281	.253
40	Nonzero Complement Presented Loss Signed Confidence	.324	.338	.203	.204	.372*	.377*	.413*	.458**	.292	.307	.303	.280
41	Loss Lives Risky Choices	.443*	.460**	.246	.237	.533**	.554**	.491**	.559**	.443*	.475**	.499**	.492**
42	Loss Lives Signed Confidence	.457**	.475**	.272	.263	.543**	.558**	.511**	.568**	.452**	.480**	.499**	.490**

		13	14	15	16	17	18	19	20	21	22	23	24
43	Zero Complement Presented Loss Lives Risky Choices	.328	.344	.473**	.474**	.465**	.503**	.312	.371*	.344	.400*	.585**	.612**
44	Zero Complement Presented Loss Lives Signed Confidence	.367*	.383*	.451**	.452**	.487**	.514**	.362*	.413*	.390*	.432*	.551**	.567**
45	Both Complements Presented Loss Lives Risky Choices	.493**	.507**	.197	.181	.503**	.513**	.492**	.559**	.438*	.447*	.423*	.407*
46	Both Complements Presented Loss Lives Signed Confidence	.513**	.535**	.244	.233	.518**	.532**	.510**	.575**	.446*	.464**	.440*	.427*
47	Nonzero Complement Presented Loss Lives Risky Choices	.340	.355*	.002	-.006	.433*	.442*	.476**	.527**	.378*	.399*	.318	.291
48	Nonzero Complement Presented Loss Lives Signed Confidence	.362*	.376*	.061	.047	.471**	.473**	.510**	.550**	.394*	.410*	.372*	.345
49	Loss Money Risky Choices	.324	.362*	.417*	.443*	.198	.236	.172	.240	.134	.177	.227	.235
50	Loss Money Signed Confidence	.344	.376*	.441*	.474**	.213	.243	.207	.256	.147	.188	.222	.228
51	Zero Complement Presented Loss Money Risky Choices	.369*	.410*	.498**	.539**	.263	.318	.155	.220	.207	.264	.337	.388*
52	Zero Complement Presented Loss Money Signed Confidence	.361*	.397*	.494**	.546**	.231	.282	.158	.201	.172	.236	.286	.337
53	Both Complements Presented Loss Money Risky Choices	.225	.269	.272	.298	.064	.102	.090	.152	-.002	.045	.091	.093
54	Both Complements Presented Loss Money Signed Confidence	.333	.370*	.371*	.395*	.142	.164	.151	.196	.094	.131	.140	.127
55	Nonzero Complement Presented Loss Money Risky Choices	.236	.250	.302	.304	.184	.191	.185	.230	.145	.155	.167	.143
56	Nonzero Complement Presented Loss Money Signed Confidence	.206	.217	.291	.306	.182	.191	.216	.254	.120	.131	.161	.148
57	Framing Index	-.198	-.145	-.219	-.202	-.163	-.111	-.100	-.039	-.263	-.204	-.061	-.047
58	Signed Confidence Framing Index	-.247	-.207	-.221	-.214	-.181	-.160	-.082	-.069	-.302	-.266	-.082	-.086
59	Zero Complement Presented Framing Index	-.121	-.171	-.297	-.329	-.059	-.138	.159	.060	-.035	-.110	-.261	-.321
60	Zero Complement Presented Signed Confidence Framing Index	-.053	-.012	.224	.244	-.173	-.119	-.373*	-.320	-.211	-.144	.100	.131
61	Both Complements Presented Framing Index	.394*	.349	.231	.222	.222	.191	.048	.031	.414*	.372*	.100	.089
62	Both Complements Presented Signed Confidence Framing Index	-.420*	-.394*	-.193	-.178	-.231	-.225	-.034	-.057	-.429*	-.414*	-.119	-.114

		13	14	15	16	17	18	19	20	21	22	23	24
63	Nonzero Complement Presented Framing Index	.080	.058	.463**	.454**	.042	.034	-.151	-.168	.058	.046	.184	.203
64	Nonzero Complement Presented Signed Confidence Framing Index	-.106	-.085	-.455**	-.467**	-.030	-.037	.170	.170	-.079	-.075	-.146	-.182
65	Lives Framing Index	.163	.122	.287	.268	.356*	.312	.293	.245	.382*	.333	.271	.270
66	Lives Signed Confidence Framing Index	.195	.173	.301	.299	.395*	.401*	.299	.312	.424*	.421*	.324	.357*
67	Zero Complement Presented Lives Framing Index	-.121	-.171	-.297	-.329	-.059	-.138	.159	.060	-.035	-.110	-.261	-.321
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.129	-.107	.123	.121	-.307	-.289	-.472**	-.454**	-.320	-.290	-.047	-.055
69	Both Complements Presented Lives Framing Index	.246	.208	.286	.289	.327	.305	.194	.178	.460**	.424*	.200	.211
70	Both Complements Presented Lives Signed Confidence Framing Index	-.297	-.280	-.297	-.302	-.386*	-.399*	-.227	-.255	-.516**	-.527**	-.265	-.287
71	Nonzero Complement Presented Lives Framing Index	.062	.044	.532**	.492**	.251	.235	.032	.021	.167	.158	.456**	.462**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.044	-.029	-.499**	-.488**	-.245	-.260	-.033	-.051	-.178	-.186	-.428*	-.474**
73	Money Framing Index	.169	.122	.065	.057	-.113	-.157	-.154	-.210	.036	-.015	-.200	-.224
74	Money Signed Confidence Framing Index	.213	.170	.056	.045	-.113	-.155	-.181	-.216	.064	.006	-.207	-.236
75	Zero Complement Presented Money Framing Index	-.121	-.171	-.297	-.329	-.059	-.138	.159	.060	-.035	-.110	-.261	-.321
76	Zero Complement Presented Money Signed Confidence Framing Index	.041	.089	.259	.296	.016	.091	-.158	-.086	-.034	.049	.221	.282
77	Both Complements Presented Money Framing Index	.380*	.346	.072	.054	.014	-.014	-.127	-.140	.184	.155	-.049	-.079
78	Both Complements Presented Money Signed Confidence Framing Index	-.360*	-.335	.000	.029	.031	.053	.180	.172	-.150	-.115	.084	.114
79	Nonzero Complement Presented Money Framing Index	.079	.058	.283	.307	-.175	-.174	-.296	-.314	-.065	-.076	-.131	-.104
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.135	-.114	-.302	-.334	.170	.171	.309	.324	.029	.043	.143	.124

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		25	26	27	28	29	30	31	32	33	34	35	36
1	Age (Years)	.190	.174	.167	.132	-.079	-.105	.333	.361*	.274	.350*	.298	.357*
2	Gender (0 = female)	.002	.017	-.111	-.082	-.052	-.040	.129	.129	.115	.107	-.113	-.111
3	Risky Choices	.529**	.530**	.447*	.437*	.495**	.514**	.294	.310	.913**	.916**	.771**	.789**
4	Signed Confidence	.566**	.569**	.461**	.454**	.519**	.535**	.336	.360*	.894**	.916**	.773**	.812**
5	Lives Risky Choices	.129	.141	.253	.244	.194	.219	-.096	-.083	.775**	.755**	.653**	.655**
6	Lives Signed Confidence	.146	.154	.246	.232	.204	.226	-.066	-.053	.782**	.776**	.690**	.704**
7	Money Risky Choices	.815**	.801**	.508**	.501**	.671**	.674**	.662**	.675**	.716**	.747**	.607**	.637**
8	Money Signed Confidence	.844**	.839**	.540**	.543**	.691**	.694**	.678**	.705**	.693**	.739**	.583**	.636**
9	Gain Risky Choices	.666**	.670**	.532**	.564**	.540**	.556**	.467**	.471**	.510**	.539**	.506**	.530**
10	Gain Signed Confidence	.680**	.690**	.502**	.548**	.576**	.587**	.483**	.494**	.531**	.555**	.527**	.548**
11	Zero Complement Presented Gain Risky Choices	.339	.340	.803**	.779**	.106	.126	.016	.038	.413*	.450**	.269	.320
12	Zero Complement Presented Gain Signed Confidence	.394*	.406*	.773**	.786**	.197	.215	.065	.087	.452**	.474**	.294	.335
13	Both Complements Presented Gain Risky Choices	.631**	.661**	.302	.378*	.742**	.763**	.376*	.392*	.447*	.457**	.398*	.420*
14	Both Complements Presented Gain Signed Confidence	.624**	.652**	.283	.355*	.753**	.777**	.365*	.377*	.478**	.485**	.429*	.449*
15	Nonzero Complement Presented Gain Risky Choices	.628**	.603**	.219	.237	.418*	.413*	.721**	.693**	.374*	.401*	.556**	.542**
16	Nonzero Complement Presented Gain Signed Confidence	.651**	.632**	.225	.248	.426*	.409*	.755**	.748**	.382*	.414*	.577**	.570**
17	Gain Lives Risky Choices	.123	.135	.252	.255	.094	.124	-.017	-.016	.435*	.436*	.429*	.424*
18	Gain Lives Signed Confidence	.119	.125	.212	.214	.107	.125	-.007	-.008	.468**	.462**	.482**	.468**
19	Zero Complement Presented Gain Lives Risky Choices	.039	.052	.421*	.408*	-.049	-.027	-.174	-.153	.396*	.414*	.276	.307
20	Zero Complement Presented Gain Lives Signed Confidence	.060	.072	.366*	.360*	.011	.031	-.147	-.132	.474**	.474**	.347	.362*
21	Both Complements Presented Gain Lives Risky Choices	.219	.251	.215	.254	.226	.268	.083	.093	.346	.347	.324	.332
22	Both Complements Presented Gain Lives Signed Confidence	.216	.237	.182	.216	.245	.271	.080	.088	.388*	.386*	.388*	.392*

		25	26	27	28	29	30	31	32	33	34	35	36
23	Nonzero Complement Presented Gain Lives Risky Choices	.055	.040	.063	.040	.049	.065	.021	-.005	.430*	.415*	.543**	.492**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.037	.016	.043	.017	.015	.017	.030	.004	.430*	.413*	.586**	.530**
25	Gain Money Risky Choices	1	.990**	.596**	.648**	.819**	.805**	.835**	.841**	.318	.368*	.321	.369*
26	Gain Money Signed Confidence	.990**	1	.581**	.655**	.832**	.828**	.815**	.834**	.316	.365*	.293	.346
27	Zero Complement Presented Gain Money Risky Choices	.596**	.581**	1	.971**	.263	.273	.248	.264	.291	.338	.166	.224
28	Zero Complement Presented Gain Money Signed Confidence	.648**	.655**	.971**	1	.347	.356*	.296	.318	.253	.292	.116	.175
29	Both Complements Presented Gain Money Risky Choices	.819**	.832**	.263	.347	1	.987**	.544**	.559**	.356*	.372*	.298	.325
30	Both Complements Presented Gain Money Signed Confidence	.805**	.828**	.273	.356*	.987**	1	.521**	.533**	.373*	.389*	.291	.320
31	Nonzero Complement Presented Gain Money Risky Choices	.835**	.815**	.248	.296	.544**	.521**	1	.987**	.108	.160	.254	.284
32	Nonzero Complement Presented Gain Money Signed Confidence	.841**	.834**	.264	.318	.559**	.533**	.987**	1	.130	.188	.252	.293
33	Loss Risky Choices	.318	.316	.291	.253	.356*	.373*	.108	.130	1	.984**	.791**	.801**
34	Loss Signed Confidence	.368*	.365*	.338	.292	.372*	.389*	.160	.188	.984**	1	.801**	.844**
35	Zero Complement Presented Loss Risky Choices	.321	.293	.166	.116	.298	.291	.254	.252	.791**	.801**	1	.965**
36	Zero Complement Presented Loss Signed Confidence	.369*	.346	.224	.175	.325	.320	.284	.293	.801**	.844**	.965**	1
37	Both Complements Presented Loss Risky Choices	.376*	.382*	.388*	.361*	.431*	.460**	.088	.111	.916**	.893**	.594**	.613**
38	Both Complements Presented Loss Signed Confidence	.458**	.463**	.431*	.397*	.475**	.504**	.182	.210	.924**	.930**	.653**	.690**
39	Nonzero Complement Presented Loss Risky Choices	.150	.164	.204	.179	.210	.231	-.034	-.002	.896**	.870**	.511**	.547**
40	Nonzero Complement Presented Loss Signed Confidence	.179	.186	.252	.211	.210	.229	-.010	.024	.913**	.911**	.569**	.614**
41	Loss Lives Risky Choices	.104	.113	.196	.179	.235	.250	-.142	-.121	.888**	.855**	.695**	.703**
42	Loss Lives Signed Confidence	.138	.146	.222	.196	.247	.269	-.105	-.083	.894**	.891**	.727**	.763**

		25	26	27	28	29	30	31	32	33	34	35	36
43	Zero Complement Presented Loss Lives Risky Choices	.137	.114	.054	.024	.155	.137	.095	.091	.723**	.717**	.896**	.860**
44	Zero Complement Presented Loss Lives Signed Confidence	.164	.154	.109	.087	.169	.168	.098	.101	.744**	.766**	.854**	.887**
45	Both Complements Presented Loss Lives Risky Choices	.181	.203	.288	.296	.326	.359*	-.137	-.119	.813**	.765**	.521**	.525**
46	Both Complements Presented Loss Lives Signed Confidence	.229	.246	.319	.314	.352*	.386*	-.086	-.068	.861**	.838**	.613**	.626**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.035	-.013	.164	.141	.135	.158	-.308	-.269	.792**	.761**	.436*	.485**
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.008	.006	.176	.133	.155	.180	-.279	-.244	.822**	.814**	.520**	.571**
49	Loss Money Risky Choices	.476**	.462**	.318	.267	.395*	.411*	.368*	.385*	.845**	.854**	.677**	.686**
50	Loss Money Signed Confidence	.525**	.510**	.380*	.324	.414*	.422*	.406*	.433*	.838**	.871**	.683**	.723**
51	Zero Complement Presented Loss Money Risky Choices	.453**	.427*	.255	.195	.387*	.396*	.375*	.377*	.647**	.675**	.842**	.818**
52	Zero Complement Presented Loss Money Signed Confidence	.500**	.469**	.292	.226	.413*	.405*	.418*	.432*	.640**	.696**	.819**	.847**
53	Both Complements Presented Loss Money Risky Choices	.448*	.434*	.352*	.299	.385*	.399*	.297	.317	.688**	.701**	.453**	.483**
54	Both Complements Presented Loss Money Signed Confidence	.548**	.539**	.415*	.363*	.457**	.474**	.387*	.417*	.719**	.751**	.504**	.553**
55	Nonzero Complement Presented Loss Money Risky Choices	.305	.306	.191	.172	.232	.247	.264	.281	.764**	.751**	.453**	.464**
56	Nonzero Complement Presented Loss Money Signed Confidence	.316	.314	.264	.235	.210	.220	.254	.279	.773**	.776**	.475**	.502**
57	Framing Index	-.172	-.177	-.095	-.164	-.028	-.021	-.250	-.229	.726**	.685**	.492**	.484**
58	Signed Confidence Framing Index	-.161	-.174	-.042	-.135	-.066	-.056	-.233	-.210	.691**	.689**	.480**	.512**
59	Zero Complement Presented Framing Index	.012	.025	.479**	.513**	-.165	-.165	-.164	-.155	-.381*	-.372*	-.646**	-.583**
60	Zero Complement Presented Signed Confidence Framing Index	.045	.014	-.384*	-.440*	.156	.137	.219	.211	.409*	.433*	.687**	.688**
61	Both Complements Presented Framing Index	.150	.168	-.141	-.050	.187	.176	.229	.219	-.560**	-.528**	-.271	-.273
62	Both Complements Presented Signed Confidence Framing Index	-.106	-.129	.194	.087	-.213	-.205	-.156	-.137	.539**	.538**	.293	.314

		25	26	27	28	29	30	31	32	33	34	35	36
63	Nonzero Complement Presented Framing Index	.252	.225	-.049	-.015	.069	.047	.475**	.429*	-.575**	-.535**	-.117	-.158
64	Nonzero Complement Presented Signed Confidence Framing Index	-.263	-.244	.081	.029	-.089	-.060	-.501**	-.466**	.575**	.553**	.138	.183
65	Lives Framing Index	.001	.002	.022	.044	-.171	-.159	.141	.119	-.570**	-.532**	-.363*	-.377*
66	Lives Signed Confidence Framing Index	-.031	-.035	-.030	.001	-.165	-.170	.108	.084	-.511**	-.514**	-.313	-.367*
67	Zero Complement Presented Lives Framing Index	.012	.025	.479**	.513**	-.165	-.165	-.164	-.155	-.381*	-.372*	-.646**	-.583**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.109	.089	-.207	-.224	.156	.138	.221	.212	.321	.342	.538**	.557**
69	Both Complements Presented Lives Framing Index	.017	.024	-.092	-.065	-.120	-.115	.209	.201	-.495**	-.446*	-.226	-.222
70	Both Complements Presented Lives Signed Confidence Framing Index	.010	.005	.129	.091	.099	.107	-.160	-.150	.449**	.429*	.211	.219
71	Nonzero Complement Presented Lives Framing Index	.074	.042	-.107	-.102	-.090	-.099	.305	.248	-.419*	-.401*	.001	-.084
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.037	-.007	.130	.111	.134	.155	-.286	-.233	.429*	.435*	.021	.113
73	Money Framing Index	.308	.315	.146	.244	.246	.218	.289	.276	-.653**	-.621**	-.468**	-.438*
74	Money Signed Confidence Framing Index	.310	.335	.103	.231	.289	.278	.283	.271	-.636**	-.629**	-.486**	-.484**
75	Zero Complement Presented Money Framing Index	.012	.025	.479**	.513**	-.165	-.165	-.164	-.155	-.381*	-.372*	-.646**	-.583**
76	Zero Complement Presented Money Signed Confidence Framing Index	-.034	-.066	-.449**	-.528**	.109	.095	.150	.146	.375*	.395*	.630**	.612**
77	Both Complements Presented Money Framing Index	.225	.248	-.132	-.011	.432*	.408*	.150	.143	-.385*	-.385*	-.202	-.208
78	Both Complements Presented Money Signed Confidence Framing Index	-.179	-.209	.174	.044	-.438*	-.434*	-.082	-.063	.393*	.412*	.248	.272
79	Nonzero Complement Presented Money Framing Index	.368*	.351*	.021	.074	.210	.180	.529**	.504**	-.590**	-.539**	-.206	-.192
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.399*	-.396*	.017	-.051	-.265	-.236	-.569**	-.558**	.564**	.521**	.209	.199

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		37	38	39	40	41	42	43	44	45	46	47	48
1	Age (Years)	.207	.294	.218	.295	.111	.195	.216	.242	.022	.122	.063	.167
2	Gender (0 = female)	.060	.055	.316	.306	-.012	-.018	-.092	-.090	.017	.001	.037	.035
3	Risky Choices	.844**	.882**	.770**	.794**	.815**	.832**	.689**	.718**	.775**	.825**	.676**	.718**
4	Signed Confidence	.824**	.879**	.741**	.777**	.782**	.816**	.675**	.722**	.735**	.801**	.645**	.696**
5	Lives Risky Choices	.671**	.671**	.696**	.701**	.895**	.889**	.728**	.753**	.832**	.845**	.787**	.814**
6	Lives Signed Confidence	.676**	.690**	.676**	.694**	.879**	.893**	.745**	.783**	.802**	.839**	.760**	.803**
7	Money Risky Choices	.718**	.788**	.552**	.590**	.385*	.425*	.362*	.383*	.390*	.467**	.265	.308
8	Money Signed Confidence	.691**	.772**	.542**	.586**	.380*	.425*	.343	.384*	.385*	.461**	.273	.315
9	Gain Risky Choices	.482**	.550**	.356*	.382*	.460**	.487**	.428*	.460**	.481**	.521**	.305	.350*
10	Gain Signed Confidence	.508**	.572**	.367*	.387*	.472**	.495**	.435*	.467**	.495**	.536**	.315	.349
11	Zero Complement Presented Gain Risky Choices	.442*	.479**	.360*	.404*	.426*	.452**	.233	.295	.475**	.503**	.399*	.427*
12	Zero Complement Presented Gain Signed Confidence	.490**	.514**	.390*	.419*	.468**	.484**	.259	.322	.532**	.553**	.427*	.437*
13	Both Complements Presented Gain Risky Choices	.442*	.494**	.333	.324	.443*	.457**	.328	.367*	.493**	.513**	.340	.362*
14	Both Complements Presented Gain Signed Confidence	.477**	.529**	.350*	.338	.460**	.475**	.344	.383*	.507**	.535**	.355*	.376*
15	Nonzero Complement Presented Gain Risky Choices	.284	.361*	.171	.203	.246	.272	.473**	.451**	.197	.244	.002	.061
16	Nonzero Complement Presented Gain Signed Confidence	.289	.370*	.167	.204	.237	.263	.474**	.452**	.181	.233	-.006	.047
17	Gain Lives Risky Choices	.354*	.382*	.359*	.372*	.533**	.543**	.465**	.487**	.503**	.518**	.433*	.471**
18	Gain Lives Signed Confidence	.383*	.404*	.368*	.377*	.554**	.558**	.503**	.514**	.513**	.532**	.442*	.473**
19	Zero Complement Presented Gain Lives Risky Choices	.363*	.384*	.385*	.413*	.491**	.511**	.312	.362*	.492**	.510**	.476**	.510**
20	Zero Complement Presented Gain Lives Signed Confidence	.441*	.448*	.441*	.458**	.559**	.568**	.371*	.413*	.559**	.575**	.527**	.550**
21	Both Complements Presented Gain Lives Risky Choices	.275	.312	.305	.292	.443*	.452**	.344	.390*	.438*	.446*	.378*	.394*
22	Both Complements Presented Gain Lives Signed Confidence	.308	.345	.323	.307	.475**	.480**	.400*	.432*	.447*	.464**	.399*	.410*

		37	38	39	40	41	42	43	44	45	46	47	48
23	Nonzero Complement Presented Gain Lives Risky Choices	.320	.336	.281	.303	.499**	.499**	.585**	.551**	.423*	.440*	.318	.372*
24	Nonzero Complement Presented Gain Lives Signed Confidence	.311	.321	.253	.280	.492**	.490**	.612**	.567**	.407*	.427*	.291	.345
25	Gain Money Risky Choices	.376*	.458**	.150	.179	.104	.138	.137	.164	.181	.229	-.035	-.008
26	Gain Money Signed Confidence	.382*	.463**	.164	.186	.113	.146	.114	.154	.203	.246	-.013	.006
27	Zero Complement Presented Gain Money Risky Choices	.388*	.431*	.204	.252	.196	.222	.054	.109	.288	.319	.164	.176
28	Zero Complement Presented Gain Money Signed Confidence	.361*	.397*	.179	.211	.179	.196	.024	.087	.296	.314	.141	.133
29	Both Complements Presented Gain Money Risky Choices	.431*	.475**	.210	.210	.235	.247	.155	.169	.326	.352*	.135	.155
30	Both Complements Presented Gain Money Signed Confidence	.460**	.504**	.231	.229	.250	.269	.137	.168	.359*	.386*	.158	.180
31	Nonzero Complement Presented Gain Money Risky Choices	.088	.182	-.034	-.010	-.142	-.105	.095	.098	-.137	-.086	-.308	-.279
32	Nonzero Complement Presented Gain Money Signed Confidence	.111	.210	-.002	.024	-.121	-.083	.091	.101	-.119	-.068	-.269	-.244
33	Loss Risky Choices	.916**	.924**	.896**	.913**	.888**	.894**	.723**	.744**	.813**	.861**	.792**	.822**
34	Loss Signed Confidence	.893**	.930**	.870**	.911**	.855**	.891**	.717**	.766**	.765**	.838**	.761**	.814**
35	Zero Complement Presented Loss Risky Choices	.594**	.653**	.511**	.569**	.695**	.727**	.896**	.854**	.521**	.613**	.436*	.520**
36	Zero Complement Presented Loss Signed Confidence	.613**	.690**	.547**	.614**	.703**	.763**	.860**	.887**	.525**	.626**	.485**	.571**
37	Both Complements Presented Loss Risky Choices	1	.979**	.784**	.795**	.788**	.794**	.503**	.545**	.836**	.863**	.717**	.743**
38	Both Complements Presented Loss Signed Confidence	.979**	1	.773**	.803**	.764**	.798**	.539**	.593**	.784**	.848**	.673**	.725**
39	Nonzero Complement Presented Loss Risky Choices	.784**	.773**	1	.983**	.825**	.807**	.520**	.565**	.749**	.762**	.876**	.854**
40	Nonzero Complement Presented Loss Signed Confidence	.795**	.803**	.983**	1	.822**	.829**	.555**	.604**	.731**	.768**	.856**	.869**
41	Loss Lives Risky Choices	.788**	.764**	.825**	.822**	1	.980**	.786**	.808**	.923**	.931**	.910**	.920**
42	Loss Lives Signed Confidence	.794**	.798**	.807**	.829**	.980**	1	.800**	.855**	.888**	.932**	.882**	.927**

		37	38	39	40	41	42	43	44	45	46	47	48
43	Zero Complement Presented Loss Lives Risky Choices	.503**	.539**	.520**	.555**	.786**	.800**	1	.957**	.568**	.641**	.525**	.587**
44	Zero Complement Presented Loss Lives Signed Confidence	.545**	.593**	.565**	.604**	.808**	.855**	.957**	1	.597**	.680**	.590**	.653**
45	Both Complements Presented Loss Lives Risky Choices	.836**	.784**	.749**	.731**	.923**	.888**	.568**	.597**	1	.975**	.836**	.833**
46	Both Complements Presented Loss Lives Signed Confidence	.863**	.848**	.762**	.768**	.931**	.932**	.641**	.680**	.975**	1	.816**	.849**
47	Nonzero Complement Presented Loss Lives Risky Choices	.717**	.673**	.876**	.856**	.910**	.882**	.525**	.590**	.836**	.816**	1	.973**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.743**	.725**	.854**	.869**	.920**	.927**	.587**	.653**	.833**	.849**	.973**	1
49	Loss Money Risky Choices	.804**	.848**	.723**	.758**	.506**	.540**	.444*	.457**	.455**	.535**	.429*	.473**
50	Loss Money Signed Confidence	.780**	.842**	.723**	.774**	.508**	.553**	.450**	.481**	.444*	.529**	.442*	.492**
51	Zero Complement Presented Loss Money Risky Choices	.535**	.607**	.355*	.425*	.387*	.432*	.514**	.486**	.315	.405*	.203	.289
52	Zero Complement Presented Loss Money Signed Confidence	.518**	.606**	.371*	.452**	.385*	.442*	.505**	.506**	.293	.387*	.228	.315
53	Both Complements Presented Loss Money Risky Choices	.808**	.827**	.533**	.570**	.353*	.400*	.248	.289	.351*	.424*	.324	.372*
54	Both Complements Presented Loss Money Signed Confidence	.809**	.859**	.561**	.605**	.383*	.440*	.285	.339	.375*	.457**	.341	.397*
55	Nonzero Complement Presented Loss Money Risky Choices	.644**	.670**	.861**	.851**	.513**	.511**	.374*	.386*	.454**	.499**	.510**	.498**
56	Nonzero Complement Presented Loss Money Signed Confidence	.647**	.677**	.862**	.877**	.522**	.527**	.385*	.405*	.449**	.497**	.529**	.525**
57	Framing Index	.653**	.607**	.731**	.729**	.639**	.624**	.478**	.475**	.537**	.560**	.654**	.652**
58	Signed Confidence Framing Index	.604**	.592**	.700**	.730**	.591**	.613**	.461**	.490**	.465**	.515**	.618**	.651**
59	Zero Complement Presented Framing Index	-.210	-.244	-.177	-.206	-.212	-.234	-.428*	-.364*	-.082	-.141	-.068	-.138
60	Zero Complement Presented Signed Confidence Framing Index	.203	.257	.217	.258	.305	.349	.614**	.592**	.086	.166	.130	.204
61	Both Complements Presented Framing Index	-.650**	-.584**	-.521**	-.540**	-.432*	-.426*	-.238	-.247	-.439*	-.449**	-.447*	-.454**
62	Both Complements Presented Signed Confidence Framing Index	.599**	.572**	.499**	.543**	.382*	.406*	.251	.272	.359*	.401*	.385*	.422*

		37	38	39	40	41	42	43	44	45	46	47	48
63	Nonzero Complement Presented Framing Index	-.530**	-.472**	-.794**	-.758**	-.590**	-.558**	-.176	-.230	-.552**	-.535**	-.787**	-.731**
64	Nonzero Complement Presented Signed Confidence Framing Index	.530**	.484**	.779**	.770**	.588**	.577**	.192	.251	.542**	.542**	.777**	.754**
65	Lives Framing Index	-.536**	-.482**	-.572**	-.557**	-.601**	-.570**	-.429*	-.432*	-.544**	-.539**	-.596**	-.571**
66	Lives Signed Confidence Framing Index	-.487**	-.471**	-.517**	-.532**	-.519**	-.536**	-.371*	-.421*	-.459**	-.488**	-.525**	-.543**
67	Zero Complement Presented Lives Framing Index	-.210	-.244	-.177	-.206	-.212	-.234	-.428*	-.364*	-.082	-.141	-.068	-.138
68	Zero Complement Presented Lives Signed Confidence Framing Index	.155	.196	.175	.198	.311	.349	.618**	.624**	.105	.171	.125	.167
69	Both Complements Presented Lives Framing Index	-.580**	-.496**	-.468**	-.462**	-.516**	-.473**	-.254	-.242	-.597**	-.565**	-.489**	-.471**
70	Both Complements Presented Lives Signed Confidence Framing Index	.528**	.477**	.417*	.438*	.432*	.428*	.226	.232	.501**	.508**	.395*	.416*
71	Nonzero Complement Presented Lives Framing Index	-.431*	-.378*	-.610**	-.574**	-.477**	-.451**	-.051	-.138	-.465**	-.434*	-.699**	-.632**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.449**	.424*	.600**	.592**	.471**	.479**	.063	.161	.457**	.457**	.681**	.663**
73	Money Framing Index	-.560**	-.540**	-.659**	-.673**	-.461**	-.470**	-.368*	-.359*	-.343	-.391*	-.493**	-.519**
74	Money Signed Confidence Framing Index	-.513**	-.509**	-.646**	-.682**	-.456**	-.475**	-.392*	-.389*	-.305	-.359*	-.496**	-.534**
75	Zero Complement Presented Money Framing Index	-.210	-.244	-.177	-.206	-.212	-.234	-.428*	-.364*	-.082	-.141	-.068	-.138
76	Zero Complement Presented Money Signed Confidence Framing Index	.190	.241	.194	.241	.206	.243	.423*	.378*	.041	.110	.096	.179
77	Both Complements Presented Money Framing Index	-.440*	-.423*	-.351*	-.388*	-.155	-.191	-.116	-.145	-.080	-.130	-.207	-.238
78	Both Complements Presented Money Signed Confidence Framing Index	.406*	.416*	.362*	.409*	.162	.203	.166	.192	.055	.113	.204	.241
79	Nonzero Complement Presented Money Framing Index	-.500**	-.452**	-.784**	-.757**	-.559**	-.529**	-.257	-.266	-.504**	-.505**	-.683**	-.651**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.470**	.417*	.746**	.738**	.547**	.522**	.260	.269	.483**	.484**	.671**	.648**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		49	50	51	52	53	54	55	56	57	58	59	60
1	Age (Years)	.387*	.431*	.312	.388*	.329	.375*	.324	.346	.096	.174	-.165	.169
2	Gender (0 = female)	.230	.215	-.106	-.104	.083	.091	.526**	.493**	.185	.208	.017	.007
3	Risky Choices	.768**	.781**	.652**	.648**	.607**	.682**	.662**	.670**	.383*	.356*	-.274	.225
4	Signed Confidence	.770**	.798**	.673**	.686**	.616**	.700**	.642**	.661**	.354*	.340	-.283	.243
5	Lives Risky Choices	.415*	.425*	.376*	.358*	.251	.310	.412*	.417*	.307	.268	-.161	.096
6	Lives Signed Confidence	.446*	.458**	.427*	.414*	.291	.348	.405*	.414*	.308	.274	-.213	.141
7	Money Risky Choices	.898**	.911**	.733**	.748**	.806**	.871**	.706**	.715**	.323	.321	-.304	.295
8	Money Signed Confidence	.861**	.896**	.708**	.747**	.764**	.849**	.680**	.702**	.276	.291	-.259	.271
9	Gain Risky Choices	.422*	.461**	.458**	.460**	.305	.421*	.313	.318	-.221	-.229	-.038	-.104
10	Gain Signed Confidence	.449**	.483**	.488**	.487**	.335	.442*	.323	.327	-.187	-.221	-.086	-.078
11	Zero Complement Presented Gain Risky Choices	.281	.336	.236	.257	.244	.318	.222	.281	-.116	-.076	.357*	-.447*
12	Zero Complement Presented Gain Signed Confidence	.305	.347	.252	.257	.264	.329	.247	.297	-.115	-.120	.320	-.453**
13	Both Complements Presented Gain Risky Choices	.324	.344	.369*	.361*	.225	.333	.236	.206	-.198	-.247	-.121	-.053
14	Both Complements Presented Gain Signed Confidence	.362*	.376*	.410*	.397*	.269	.370*	.250	.217	-.145	-.207	-.171	-.012
15	Nonzero Complement Presented Gain Risky Choices	.417*	.441*	.498**	.494**	.272	.371*	.302	.291	-.219	-.221	-.297	.224
16	Nonzero Complement Presented Gain Signed Confidence	.443*	.474**	.539**	.546**	.298	.395*	.304	.306	-.202	-.214	-.329	.244
17	Gain Lives Risky Choices	.198	.213	.263	.231	.064	.142	.184	.182	-.163	-.181	-.059	-.173
18	Gain Lives Signed Confidence	.236	.243	.318	.282	.102	.164	.191	.191	-.111	-.160	-.138	-.119
19	Zero Complement Presented Gain Lives Risky Choices	.172	.207	.155	.158	.090	.151	.185	.216	-.100	-.082	.159	-.373*
20	Zero Complement Presented Gain Lives Signed Confidence	.240	.256	.220	.201	.152	.196	.230	.254	-.039	-.069	.060	-.320
21	Both Complements Presented Gain Lives Risky Choices	.134	.147	.207	.172	-.002	.094	.145	.120	-.263	-.302	-.035	-.211
22	Both Complements Presented Gain Lives Signed Confidence	.177	.188	.264	.236	.045	.131	.155	.131	-.204	-.266	-.110	-.144

		49	50	51	52	53	54	55	56	57	58	59	60
23	Nonzero Complement Presented Gain Lives Risky Choices	.227	.222	.337	.286	.091	.140	.167	.161	-.061	-.082	-.261	.100
24	Nonzero Complement Presented Gain Lives Signed Confidence	.235	.228	.388*	.337	.093	.127	.143	.148	-.047	-.086	-.321	.131
25	Gain Money Risky Choices	.476**	.525**	.453**	.500**	.448*	.548**	.305	.316	-.172	-.161	.012	.045
26	Gain Money Signed Confidence	.462**	.510**	.427*	.469**	.434*	.539**	.306	.314	-.177	-.174	.025	.014
27	Zero Complement Presented Gain Money Risky Choices	.318	.380*	.255	.292	.352*	.415*	.191	.264	-.095	-.042	.479**	-.384*
28	Zero Complement Presented Gain Money Signed Confidence	.267	.324	.195	.226	.299	.363*	.172	.235	-.164	-.135	.513**	-.440*
29	Both Complements Presented Gain Money Risky Choices	.395*	.414*	.387*	.413*	.385*	.457**	.232	.210	-.028	-.066	-.165	.156
30	Both Complements Presented Gain Money Signed Confidence	.411*	.422*	.396*	.405*	.399*	.474**	.247	.220	-.021	-.056	-.165	.137
31	Nonzero Complement Presented Gain Money Risky Choices	.368*	.406*	.375*	.418*	.297	.387*	.264	.254	-.250	-.233	-.164	.219
32	Nonzero Complement Presented Gain Money Signed Confidence	.385*	.433*	.377*	.432*	.317	.417*	.281	.279	-.229	-.210	-.155	.211
33	Loss Risky Choices	.845**	.838**	.647**	.640**	.688**	.719**	.764**	.773**	.726**	.691**	-.381*	.409*
34	Loss Signed Confidence	.854**	.871**	.675**	.696**	.701**	.751**	.751**	.776**	.685**	.689**	-.372*	.433*
35	Zero Complement Presented Loss Risky Choices	.677**	.683**	.842**	.819**	.453**	.504**	.453**	.475**	.492**	.480**	-.646**	.687**
36	Zero Complement Presented Loss Signed Confidence	.686**	.723**	.818**	.847**	.483**	.553**	.464**	.502**	.484**	.512**	-.583**	.688**
37	Both Complements Presented Loss Risky Choices	.804**	.780**	.535**	.518**	.808**	.809**	.644**	.647**	.653**	.604**	-.210	.203
38	Both Complements Presented Loss Signed Confidence	.848**	.842**	.607**	.606**	.827**	.859**	.670**	.677**	.607**	.592**	-.244	.257
39	Nonzero Complement Presented Loss Risky Choices	.723**	.723**	.355*	.371*	.533**	.561**	.861**	.862**	.731**	.700**	-.177	.217
40	Nonzero Complement Presented Loss Signed Confidence	.758**	.774**	.425*	.452**	.570**	.605**	.851**	.877**	.729**	.730**	-.206	.258
41	Loss Lives Risky Choices	.506**	.508**	.387*	.385*	.353*	.383*	.513**	.522**	.639**	.591**	-.212	.305
42	Loss Lives Signed Confidence	.540**	.553**	.432*	.442*	.400*	.440*	.511**	.527**	.624**	.613**	-.234	.349

		49	50	51	52	53	54	55	56	57	58	59	60
43	Zero Complement Presented Loss Lives Risky Choices	.444*	.450**	.514**	.505**	.248	.285	.374*	.385*	.478**	.461**	-.428*	.614**
44	Zero Complement Presented Loss Lives Signed Confidence	.457**	.481**	.486**	.506**	.289	.339	.386*	.405*	.475**	.490**	-.364*	.592**
45	Both Complements Presented Loss Lives Risky Choices	.455**	.444*	.315	.293	.351*	.375*	.454**	.449**	.537**	.465**	-.082	.086
46	Both Complements Presented Loss Lives Signed Confidence	.535**	.529**	.405*	.387*	.424*	.457**	.499**	.497**	.560**	.515**	-.141	.166
47	Nonzero Complement Presented Loss Lives Risky Choices	.429*	.442*	.203	.228	.324	.341	.510**	.529**	.654**	.618**	-.068	.130
48	Nonzero Complement Presented Loss Lives Signed Confidence	.473**	.492**	.289	.315	.372*	.397*	.498**	.525**	.652**	.651**	-.138	.204
49	Loss Money Risky Choices	1	.983**	.767**	.755**	.882**	.905**	.839**	.845**	.621**	.610**	-.470**	.414*
50	Loss Money Signed Confidence	.983**	1	.771**	.798**	.853**	.903**	.824**	.854**	.581**	.601**	-.430*	.417*
51	Zero Complement Presented Loss Money Risky Choices	.767**	.771**	1	.968**	.574**	.627**	.421*	.450**	.368*	.366*	-.727**	.579**
52	Zero Complement Presented Loss Money Signed Confidence	.755**	.798**	.968**	1	.569**	.643**	.423*	.471**	.357*	.392*	-.670**	.604**
53	Both Complements Presented Loss Money Risky Choices	.882**	.853**	.574**	.569**	1	.977**	.610**	.621**	.537**	.530**	-.271	.253
54	Both Complements Presented Loss Money Signed Confidence	.905**	.903**	.627**	.643**	.977**	1	.643**	.656**	.478**	.495**	-.274	.270
55	Nonzero Complement Presented Loss Money Risky Choices	.839**	.824**	.421*	.423*	.610**	.643**	1	.982**	.615**	.599**	-.246	.249
56	Nonzero Complement Presented Loss Money Signed Confidence	.845**	.854**	.450**	.471**	.621**	.656**	.982**	1	.622**	.625**	-.221	.246
57	Framing Index	.621**	.581**	.368*	.357*	.537**	.478**	.615**	.622**	1	.966**	-.402*	.547**
58	Signed Confidence Framing Index	.610**	.601**	.366*	.392*	.530**	.495**	.599**	.625**	.966**	1	-.362*	.576**
59	Zero Complement Presented Framing Index	-.470**	-.430*	-.727**	-.670**	-.271	-.274	-.246	-.221	-.402*	-.362*	1	-.799**
60	Zero Complement Presented Signed Confidence Framing Index	.414*	.417*	.579**	.604**	.253	.270	.249	.246	.547**	.576**	-.799**	1
61	Both Complements Presented Framing Index	-.549**	-.507**	-.235	-.225	-.637**	-.547**	-.460**	-.488**	-.836**	-.828**	.113	-.253
62	Both Complements Presented Signed Confidence Framing Index	.568**	.549**	.261	.273	.636**	.573**	.485**	.523**	.798**	.841**	-.099	.289

		49	50	51	52	53	54	55	56	57	58	59	60
63	Nonzero Complement Presented Framing Index	-.393*	-.378*	-.012	-.030	-.311	-.276	-.588**	-.596**	-.792**	-.766**	-.023	-.057
64	Nonzero Complement Presented Signed Confidence Framing Index	.396*	.390*	.033	.052	.321	.289	.570**	.593**	.790**	.799**	.028	.074
65	Lives Framing Index	-.372*	-.361*	-.179	-.207	-.330	-.289	-.392*	-.405*	-.860**	-.824**	.178	-.501**
66	Lives Signed Confidence Framing Index	-.356*	-.363*	-.153	-.201	-.338	-.319	-.370*	-.388*	-.802**	-.840**	.118	-.507**
67	Zero Complement Presented Lives Framing Index	-.470**	-.430*	-.727**	-.670**	-.271	-.274	-.246	-.221	-.402*	-.362*	1.000**	-.799**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.241	.251	.287	.323	.152	.163	.180	.179	.498**	.539**	-.408*	.853**
69	Both Complements Presented Lives Framing Index	-.330	-.307	-.127	-.136	-.349	-.287	-.320	-.337	-.765**	-.730**	.050	-.273
70	Both Complements Presented Lives Signed Confidence Framing Index	.341	.324	.132	.142	.364*	.311	.328	.350*	.736**	.754**	-.028	.299
71	Nonzero Complement Presented Lives Framing Index	-.232	-.247	.064	.002	-.236	-.214	-.352*	-.375*	-.659**	-.641**	-.134	-.047
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.257	.280	-.038	.027	.275	.271	.353*	.375*	.649**	.679**	.127	.086
73	Money Framing Index	-.690**	-.631**	-.457**	-.405*	-.586**	-.528**	-.657**	-.655**	-.813**	-.793**	.518**	-.410*
74	Money Signed Confidence Framing Index	-.664**	-.640**	-.463**	-.455**	-.547**	-.507**	-.630**	-.655**	-.795**	-.813**	.494**	-.445*
75	Zero Complement Presented Money Framing Index	-.470**	-.430*	-.727**	-.670**	-.271	-.274	-.246	-.221	-.402*	-.362*	1.000**	-.799**
76	Zero Complement Presented Money Signed Confidence Framing Index	.465**	.461**	.702**	.708**	.280	.297	.244	.241	.430*	.439*	-.956**	.846**
77	Both Complements Presented Money Framing Index	-.542**	-.499**	-.248	-.222	-.666**	-.585**	-.408*	-.436*	-.547**	-.572**	.131	-.121
78	Both Complements Presented Money Signed Confidence Framing Index	.549**	.536**	.278	.286	.633**	.588**	.431*	.469**	.508**	.558**	-.128	.150
79	Nonzero Complement Presented Money Framing Index	-.458**	-.416*	-.085	-.054	-.311	-.271	-.679**	-.670**	-.732**	-.705**	.092	-.053
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.423*	.391*	.087	.062	.283	.233	.623**	.641**	.720**	.708**	-.067	.044

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		61	62	63	64	65	66	67	68	69	70	71	72
1	Age (Years)	-.179	.273	.051	-.014	.079	.017	-.165	.047	.089	-.046	.121	-.038
2	Gender (0 = female)	-.150	.197	-.229	.239	-.074	-.127	.017	.042	-.113	.177	-.036	.079
3	Risky Choices	-.256	.251	-.302	.305	-.256	-.211	-.274	.136	-.211	.167	-.172	.191
4	Signed Confidence	-.227	.233	-.270	.275	-.235	-.203	-.283	.146	-.175	.139	-.165	.189
5	Lives Risky Choices	-.149	.114	-.341	.346	-.183	-.112	-.161	.030	-.145	.063	-.162	.161
6	Lives Signed Confidence	-.148	.117	-.311	.320	-.166	-.099	-.213	.049	-.113	.036	-.138	.141
7	Money Risky Choices	-.287	.321	-.132	.130	-.245	-.250	-.304	.213	-.208	.230	-.115	.151
8	Money Signed Confidence	-.234	.281	-.123	.121	-.227	-.248	-.259	.205	-.182	.208	-.135	.174
9	Gain Risky Choices	.253	-.235	.177	-.173	.268	.279	-.038	-.168	.256	-.284	.231	-.205
10	Gain Signed Confidence	.240	-.241	.159	-.173	.229	.272	-.086	-.158	.237	-.288	.197	-.194
11	Zero Complement Presented Gain Risky Choices	-.043	.080	-.125	.154	.204	.181	.357*	-.419*	.079	-.082	-.035	.047
12	Zero Complement Presented Gain Signed Confidence	-.007	.010	-.120	.128	.187	.207	.320	-.423*	.082	-.119	-.042	.027
13	Both Complements Presented Gain Risky Choices	.394*	-.420*	.080	-.106	.163	.195	-.121	-.129	.246	-.297	.062	-.044
14	Both Complements Presented Gain Signed Confidence	.349	-.394*	.058	-.085	.122	.173	-.171	-.107	.208	-.280	.044	-.029
15	Nonzero Complement Presented Gain Risky Choices	.231	-.193	.463**	-.455**	.287	.301	-.297	.123	.286	-.297	.532**	-.499**
16	Nonzero Complement Presented Gain Signed Confidence	.222	-.178	.454**	-.467**	.268	.299	-.329	.121	.289	-.302	.492**	-.488**
17	Gain Lives Risky Choices	.222	-.231	.042	-.030	.356*	.395*	-.059	-.307	.327	-.386*	.251	-.245
18	Gain Lives Signed Confidence	.191	-.225	.034	-.037	.312	.401*	-.138	-.289	.305	-.399*	.235	-.260
19	Zero Complement Presented Gain Lives Risky Choices	.048	-.034	-.151	.170	.293	.299	.159	-.472**	.194	-.227	.032	-.033
20	Zero Complement Presented Gain Lives Signed Confidence	.031	-.057	-.168	.170	.245	.312	.060	-.454**	.178	-.255	.021	-.051
21	Both Complements Presented Gain Lives Risky Choices	.414*	-.429*	.058	-.079	.382*	.424*	-.035	-.320	.460**	-.516**	.167	-.178
22	Both Complements Presented Gain Lives Signed Confidence	.372*	-.414*	.046	-.075	.333	.421*	-.110	-.290	.424*	-.527**	.158	-.186

		61	62	63	64	65	66	67	68	69	70	71	72
23	Nonzero Complement Presented Gain Lives Risky Choices	.100	-.119	.184	-.146	.271	.324	-.261	-.047	.200	-.265	.456**	-.428*
24	Nonzero Complement Presented Gain Lives Signed Confidence	.089	-.114	.203	-.182	.270	.357*	-.321	-.055	.211	-.287	.462**	-.474**
25	Gain Money Risky Choices	.150	-.106	.252	-.263	.001	-.031	.012	.109	.017	.010	.074	-.037
26	Gain Money Signed Confidence	.168	-.129	.225	-.244	.002	-.035	.025	.089	.024	.005	.042	-.007
27	Zero Complement Presented Gain Money Risky Choices	-.141	.194	-.049	.081	.022	-.030	.479**	-.207	-.092	.129	-.107	.130
28	Zero Complement Presented Gain Money Signed Confidence	-.050	.087	-.015	.029	.044	.001	.513**	-.224	-.065	.091	-.102	.111
29	Both Complements Presented Gain Money Risky Choices	.187	-.213	.069	-.089	-.171	-.165	-.165	.156	-.120	.099	-.090	.134
30	Both Complements Presented Gain Money Signed Confidence	.176	-.205	.047	-.060	-.159	-.170	-.165	.138	-.115	.107	-.099	.155
31	Nonzero Complement Presented Gain Money Risky Choices	.229	-.156	.475**	-.501**	.141	.108	-.164	.221	.209	-.160	.305	-.286
32	Nonzero Complement Presented Gain Money Signed Confidence	.219	-.137	.429*	-.466**	.119	.084	-.155	.212	.201	-.150	.248	-.233
33	Loss Risky Choices	-.560**	.539**	-.575**	.575**	-.570**	-.511**	-.381*	.321	-.495**	.449**	-.419*	.429*
34	Loss Signed Confidence	-.528**	.538**	-.535**	.553**	-.532**	-.514**	-.372*	.342	-.446*	.429*	-.401*	.435*
35	Zero Complement Presented Loss Risky Choices	-.271	.293	-.117	.138	-.363*	-.313	-.646**	.538**	-.226	.211	.001	.021
36	Zero Complement Presented Loss Signed Confidence	-.273	.314	-.158	.183	-.377*	-.367*	-.583**	.557**	-.222	.219	-.084	.113
37	Both Complements Presented Loss Risky Choices	-.650**	.599**	-.530**	.530**	-.536**	-.487**	-.210	.155	-.580**	.528**	-.431*	.449**
38	Both Complements Presented Loss Signed Confidence	-.584**	.572**	-.472**	.484**	-.482**	-.471**	-.244	.196	-.496**	.477**	-.378*	.424*
39	Nonzero Complement Presented Loss Risky Choices	-.521**	.499**	-.794**	.779**	-.572**	-.517**	-.177	.175	-.468**	.417*	-.610**	.600**
40	Nonzero Complement Presented Loss Signed Confidence	-.540**	.543**	-.758**	.770**	-.557**	-.532**	-.206	.198	-.462**	.438*	-.574**	.592**
41	Loss Lives Risky Choices	-.432*	.382*	-.590**	.588**	-.601**	-.519**	-.212	.311	-.516**	.432*	-.477**	.471**
42	Loss Lives Signed Confidence	-.426*	.406*	-.558**	.577**	-.570**	-.536**	-.234	.349	-.473**	.428*	-.451**	.479**

		61	62	63	64	65	66	67	68	69	70	71	72
43	Zero Complement Presented Loss Lives Risky Choices	-.238	.251	-.176	.192	-.429*	-.371*	-.428*	.618**	-.254	.226	-.051	.063
44	Zero Complement Presented Loss Lives Signed Confidence	-.247	.272	-.230	.251	-.432*	-.421*	-.364*	.624**	-.242	.232	-.138	.161
45	Both Complements Presented Loss Lives Risky Choices	-.439*	.359*	-.552**	.542**	-.544**	-.459**	-.082	.105	-.597**	.501**	-.465**	.457**
46	Both Complements Presented Loss Lives Signed Confidence	-.449**	.401*	-.535**	.542**	-.539**	-.488**	-.141	.171	-.565**	.508**	-.434*	.457**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.447*	.385*	-.787**	.777**	-.596**	-.525**	-.068	.125	-.489**	.395*	-.699**	.681**
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.454**	.422*	-.731**	.754**	-.571**	-.543**	-.138	.167	-.471**	.416*	-.632**	.663**
49	Loss Money Risky Choices	-.549**	.568**	-.393*	.396*	-.372*	-.356*	-.470**	.241	-.330	.341	-.232	.257
50	Loss Money Signed Confidence	-.507**	.549**	-.378*	.390*	-.361*	-.363*	-.430*	.251	-.307	.324	-.247	.280
51	Zero Complement Presented Loss Money Risky Choices	-.235	.261	-.012	.033	-.179	-.153	-.727**	.287	-.127	.132	.064	-.038
52	Zero Complement Presented Loss Money Signed Confidence	-.225	.273	-.030	.052	-.207	-.201	-.670**	.323	-.136	.142	.002	.027
53	Both Complements Presented Loss Money Risky Choices	-.637**	.636**	-.311	.321	-.330	-.338	-.271	.152	-.349	.364*	-.236	.275
54	Both Complements Presented Loss Money Signed Confidence	-.547**	.573**	-.276	.289	-.289	-.319	-.274	.163	-.287	.311	-.214	.271
55	Nonzero Complement Presented Loss Money Risky Choices	-.460**	.485**	-.588**	.570**	-.392*	-.370*	-.246	.180	-.320	.328	-.352*	.353*
56	Nonzero Complement Presented Loss Money Signed Confidence	-.488**	.523**	-.596**	.593**	-.405*	-.388*	-.221	.179	-.337	.350*	-.375*	.375*
57	Framing Index	-.836**	.798**	-.792**	.790**	-.860**	-.802**	-.402*	.498**	-.765**	.736**	-.659**	.649**
58	Signed Confidence Framing Index	-.828**	.841**	-.766**	.799**	-.824**	-.840**	-.362*	.539**	-.730**	.754**	-.641**	.679**
59	Zero Complement Presented Framing Index	.113	-.099	-.023	.028	.178	.118	1.000**	-.408*	.050	-.028	-.134	.127
60	Zero Complement Presented Signed Confidence Framing Index	-.253	.289	-.057	.074	-.501**	-.507**	-.799**	.853**	-.273	.299	-.047	.086
61	Both Complements Presented Framing Index	1	-.970**	.611**	-.633**	.687**	.665**	.113	-.268	.803**	-.793**	.495**	-.497**
62	Both Complements Presented Signed Confidence Framing Index	-.970**	1	-.568**	.606**	-.640**	-.677**	-.099	.315	-.739**	.788**	-.451**	.487**

		61	62	63	64	65	66	67	68	69	70	71	72
63	Nonzero Complement Presented Framing Index	.611**	-.568**	1	-.981**	.691**	.651**	-.023	-.081	.597**	-.558**	.877**	-.847**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.633**	.606**	-.981**	1	-.678**	-.675**	.028	.100	-.606**	.593**	-.839**	.852**
65	Lives Framing Index	.687**	-.640**	.691**	-.678**	1	.947**	.178	-.633**	.879**	-.841**	.763**	-.751**
66	Lives Signed Confidence Framing Index	.665**	-.677**	.651**	-.675**	.947**	1	.118	-.679**	.832**	-.878**	.737**	-.794**
67	Zero Complement Presented Lives Framing Index	.113	-.099	-.023	.028	.178	.118	1	-.408*	.050	-.028	-.134	.127
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.268	.315	-.081	.100	-.633**	-.679**	-.408*	1	-.390*	.446*	-.153	.201
69	Both Complements Presented Lives Framing Index	.803**	-.739**	.597**	-.606**	.879**	.832**	.050	-.390*	1	-.955**	.609**	-.611**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.793**	.788**	-.558**	.593**	-.841**	-.878**	-.028	.446*	-.955**	1	-.571**	.619**
71	Nonzero Complement Presented Lives Framing Index	.495**	-.451**	.877**	-.839**	.763**	.737**	-.134	-.153	.609**	-.571**	1	-.962**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.497**	.487**	-.847**	.852**	-.751**	-.794**	.127	.201	-.611**	.619**	-.962**	1
73	Money Framing Index	.717**	-.702**	.633**	-.645**	.403*	.360*	.518**	-.171	.371*	-.361*	.312	-.308
74	Money Signed Confidence Framing Index	.706**	-.716**	.615**	-.645**	.397*	.367*	.494**	-.196	.358*	-.350*	.309	-.313
75	Zero Complement Presented Money Framing Index	.113	-.099	-.023	.028	.178	.118	1.000**	-.408*	.050	-.028	-.134	.127
76	Zero Complement Presented Money Signed Confidence Framing Index	-.160	.174	-.015	.025	-.212	-.176	-.956**	.444*	-.071	.057	.076	-.057
77	Both Complements Presented Money Framing Index	.774**	-.793**	.360*	-.385*	.184	.197	.131	-.022	.243	-.275	.157	-.160
78	Both Complements Presented Money Signed Confidence Framing Index	-.721**	.774**	-.326	.350*	-.150	-.170	-.128	.041	-.188	.220	-.129	.135
79	Nonzero Complement Presented Money Framing Index	.579**	-.545**	.879**	-.883**	.453**	.408*	.092	.010	.440*	-.411*	.542**	-.528**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.597**	.562**	-.857**	.884**	-.444*	-.402*	-.067	-.015	-.451**	.423*	-.522**	.510**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		73	74	75	76	77	78	79	80
1	Age (Years)	-.262	-.316	-.165	.243	-.385*	.480**	-.031	.010
2	Gender (0 = female)	-.248	-.220	.017	-.031	-.124	.130	-.365*	.323
3	Risky Choices	-.395*	-.383*	-.274	.248	-.192	.226	-.359*	.331
4	Signed Confidence	-.367*	-.366*	-.283	.269	-.183	.226	-.309	.284
5	Lives Risky Choices	-.343	-.340	-.161	.135	-.088	.116	-.436*	.426*
6	Lives Signed Confidence	-.362*	-.364*	-.213	.193	-.120	.149	-.406*	.401*
7	Money Risky Choices	-.300	-.282	-.304	.289	-.245	.272	-.117	.078
8	Money Signed Confidence	-.237	-.232	-.259	.257	-.188	.231	-.082	.043
9	Gain Risky Choices	.092	.093	-.038	-.007	.139	-.079	.080	-.102
10	Gain Signed Confidence	.074	.087	-.086	.027	.138	-.086	.084	-.112
11	Zero Complement Presented Gain Risky Choices	-.024	-.064	.357*	-.340	-.153	.210	-.183	.212
12	Zero Complement Presented Gain Signed Confidence	-.006	-.017	.320	-.346	-.099	.138	-.168	.187
13	Both Complements Presented Gain Risky Choices	.169	.213	-.121	.041	.380*	-.360*	.079	-.135
14	Both Complements Presented Gain Signed Confidence	.122	.170	-.171	.089	.346	-.335	.058	-.114
15	Nonzero Complement Presented Gain Risky Choices	.065	.056	-.297	.259	.072	.000	.283	-.302
16	Nonzero Complement Presented Gain Signed Confidence	.057	.045	-.329	.296	.054	.029	.307	-.334
17	Gain Lives Risky Choices	-.113	-.113	-.059	.016	.014	.031	-.175	.170
18	Gain Lives Signed Confidence	-.157	-.155	-.138	.091	-.014	.053	-.174	.171
19	Zero Complement Presented Gain Lives Risky Choices	-.154	-.181	.159	-.158	-.127	.180	-.296	.309
20	Zero Complement Presented Gain Lives Signed Confidence	-.210	-.216	.060	-.086	-.140	.172	-.314	.324
21	Both Complements Presented Gain Lives Risky Choices	.036	.064	-.035	-.034	.184	-.150	-.065	.029
22	Both Complements Presented Gain Lives Signed Confidence	-.015	.006	-.110	.049	.155	-.115	-.076	.043

		73	74	75	76	77	78	79	80
23	Nonzero Complement Presented Gain Lives Risky Choices	-.200	-.207	-.261	.221	-.049	.084	-.131	.143
24	Nonzero Complement Presented Gain Lives Signed Confidence	-.224	-.236	-.321	.282	-.079	.114	-.104	.124
25	Gain Money Risky Choices	.308	.310	.012	-.034	.225	-.179	.368*	-.399*
26	Gain Money Signed Confidence	.315	.335	.025	-.066	.248	-.209	.351*	-.396*
27	Zero Complement Presented Gain Money Risky Choices	.146	.103	.479**	-.449**	-.132	.174	.021	.017
28	Zero Complement Presented Gain Money Signed Confidence	.244	.231	.513**	-.528**	-.011	.044	.074	-.051
29	Both Complements Presented Gain Money Risky Choices	.246	.289	-.165	.109	.432*	-.438*	.210	-.265
30	Both Complements Presented Gain Money Signed Confidence	.218	.278	-.165	.095	.408*	-.434*	.180	-.236
31	Nonzero Complement Presented Gain Money Risky Choices	.289	.283	-.164	.150	.150	-.082	.529**	-.569**
32	Nonzero Complement Presented Gain Money Signed Confidence	.276	.271	-.155	.146	.143	-.063	.504**	-.558**
33	Loss Risky Choices	-.653**	-.636**	-.381*	.375*	-.385*	.393*	-.590**	.564**
34	Loss Signed Confidence	-.621**	-.629**	-.372*	.395*	-.385*	.412*	-.539**	.521**
35	Zero Complement Presented Loss Risky Choices	-.468**	-.486**	-.646**	.630**	-.202	.248	-.206	.209
36	Zero Complement Presented Loss Signed Confidence	-.438*	-.484**	-.583**	.612**	-.208	.272	-.192	.199
37	Both Complements Presented Loss Risky Choices	-.560**	-.513**	-.210	.190	-.440*	.406*	-.500**	.470**
38	Both Complements Presented Loss Signed Confidence	-.540**	-.509**	-.244	.241	-.423*	.416*	-.452**	.417*
39	Nonzero Complement Presented Loss Risky Choices	-.659**	-.646**	-.177	.194	-.351*	.362*	-.784**	.746**
40	Nonzero Complement Presented Loss Signed Confidence	-.673**	-.682**	-.206	.241	-.388*	.409*	-.757**	.738**
41	Loss Lives Risky Choices	-.461**	-.456**	-.212	.206	-.155	.162	-.559**	.547**
42	Loss Lives Signed Confidence	-.470**	-.475**	-.234	.243	-.191	.203	-.529**	.522**

		73	74	75	76	77	78	79	80
43	Zero Complement Presented Loss Lives Risky Choices	-.368*	-.392*	-.428*	.423*	-.116	.166	-.257	.260
44	Zero Complement Presented Loss Lives Signed Confidence	-.359*	-.389*	-.364*	.378*	-.145	.192	-.266	.269
45	Both Complements Presented Loss Lives Risky Choices	-.343	-.305	-.082	.041	-.080	.055	-.504**	.483**
46	Both Complements Presented Loss Lives Signed Confidence	-.391*	-.359*	-.141	.110	-.130	.113	-.505**	.484**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.493**	-.496**	-.068	.096	-.207	.204	-.683**	.671**
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.519**	-.534**	-.138	.179	-.238	.241	-.651**	.648**
49	Loss Money Risky Choices	-.690**	-.664**	-.470**	.465**	-.542**	.549**	-.458**	.423*
50	Loss Money Signed Confidence	-.631**	-.640**	-.430*	.461**	-.499**	.536**	-.416*	.391*
51	Zero Complement Presented Loss Money Risky Choices	-.457**	-.463**	-.727**	.702**	-.248	.278	-.085	.087
52	Zero Complement Presented Loss Money Signed Confidence	-.405*	-.455**	-.670**	.708**	-.222	.286	-.054	.062
53	Both Complements Presented Loss Money Risky Choices	-.586**	-.547**	-.271	.280	-.666**	.633**	-.311	.283
54	Both Complements Presented Loss Money Signed Confidence	-.528**	-.507**	-.274	.297	-.585**	.588**	-.271	.233
55	Nonzero Complement Presented Loss Money Risky Choices	-.657**	-.630**	-.246	.244	-.408*	.431*	-.679**	.623**
56	Nonzero Complement Presented Loss Money Signed Confidence	-.655**	-.655**	-.221	.241	-.436*	.469**	-.670**	.641**
57	Framing Index	-.813**	-.795**	-.402*	.430*	-.547**	.508**	-.732**	.720**
58	Signed Confidence Framing Index	-.793**	-.813**	-.362*	.439*	-.572**	.558**	-.705**	.708**
59	Zero Complement Presented Framing Index	.518**	.494**	1.000**	-.956**	.131	-.128	.092	-.067
60	Zero Complement Presented Signed Confidence Framing Index	-.410*	-.445*	-.799**	.846**	-.121	.150	-.053	.044
61	Both Complements Presented Framing Index	.717**	.706**	.113	-.160	.774**	-.721**	.579**	-.597**
62	Both Complements Presented Signed Confidence Framing Index	-.702**	-.716**	-.099	.174	-.793**	.774**	-.545**	.562**

		73	74	75	76	77	78	79	80
63	Nonzero Complement Presented Framing Index	.633**	.615**	-.023	-.015	.360*	-.326	.879**	-.857**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.645**	-.645**	.028	.025	-.385*	.350*	-.883**	.884**
65	Lives Framing Index	.403*	.397*	.178	-.212	.184	-.150	.453**	-.444*
66	Lives Signed Confidence Framing Index	.360*	.367*	.118	-.176	.197	-.170	.408*	-.402*
67	Zero Complement Presented Lives Framing Index	.518**	.494**	1.000**	-.956**	.131	-.128	.092	-.067
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.171	-.196	-.408*	.444*	-.022	.041	.010	-.015
69	Both Complements Presented Lives Framing Index	.371*	.358*	.050	-.071	.243	-.188	.440*	-.451**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.361*	-.350*	-.028	.057	-.275	.220	-.411*	.423*
71	Nonzero Complement Presented Lives Framing Index	.312	.309	-.134	.076	.157	-.129	.542**	-.522**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.308	-.313	.127	-.057	-.160	.135	-.528**	.510**
73	Money Framing Index	1	.973**	.518**	-.530**	.772**	-.741**	.798**	-.786**
74	Money Signed Confidence Framing Index	.973**	1	.494**	-.564**	.768**	-.774**	.770**	-.782**
75	Zero Complement Presented Money Framing Index	.518**	.494**	1	-.956**	.131	-.128	.092	-.067
76	Zero Complement Presented Money Signed Confidence Framing Index	-.530**	-.564**	-.956**	1	-.185	.217	-.101	.091
77	Both Complements Presented Money Framing Index	.772**	.768**	.131	-.185	1	-.973**	.474**	-.491**
78	Both Complements Presented Money Signed Confidence Framing Index	-.741**	-.774**	-.128	.217	-.973**	1	-.442*	.455**
79	Nonzero Complement Presented Money Framing Index	.798**	.770**	.092	-.101	.474**	-.442*	1	-.982**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.786**	-.782**	-.067	.091	-.491**	.455**	-.982**	1

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

## Appendix K

### Correlations among framing measures

N = 25

(Subsample of MRI framing participants who also completed the emotional go/no-go task)

		1	2	3	4	5	6	7	8	9	10	11	12
1	Age (Years)	1	.353	.414*	.447*	.282	.341	.407*	.402*	.306	.319	.260	.272
2	Gender (0 = female)	.353	1	.040	.026	-.076	-.110	.165	.171	-.002	-.050	-.059	-.076
3	Risky Choices	.414*	.040	1	.993**	.853**	.863**	.774**	.776**	.854**	.861**	.650**	.708**
4	Signed Confidence	.447*	.026	.993**	1	.826**	.850**	.795**	.803**	.852**	.867**	.642**	.702**
5	Lives Risky Choices	.282	-.076	.853**	.826**	1	.988**	.331	.339	.746**	.734**	.656**	.699**
6	Lives Signed Confidence	.341	-.110	.863**	.850**	.988**	1	.363	.369	.749**	.750**	.646**	.695**
7	Money Risky Choices	.407*	.165	.774**	.795**	.331	.363	1	.992**	.640**	.667**	.379	.432*
8	Money Signed Confidence	.402*	.171	.776**	.803**	.339	.369	.992**	1	.655**	.681**	.402*	.452*
9	Gain Risky Choices	.306	-.002	.854**	.852**	.746**	.749**	.640**	.655**	1	.989**	.717**	.780**
10	Gain Signed Confidence	.319	-.050	.861**	.867**	.734**	.750**	.667**	.681**	.989**	1	.681**	.768**
11	Zero Complement Presented Gain Risky Choices	.260	-.059	.650**	.642**	.656**	.646**	.379	.402*	.717**	.681**	1	.976**
12	Zero Complement Presented Gain Signed Confidence	.272	-.076	.708**	.702**	.699**	.695**	.432*	.452*	.780**	.768**	.976**	1
13	Both Complements Presented Gain Risky Choices	.061	-.096	.757**	.757**	.669**	.671**	.558**	.577**	.877**	.894**	.468*	.572**
14	Both Complements Presented Gain Signed Confidence	.075	-.142	.776**	.779**	.673**	.686**	.587**	.599**	.856**	.887**	.437*	.552**
15	Nonzero Complement Presented Gain Risky Choices	.431*	.148	.651**	.654**	.481*	.498**	.595**	.590**	.812**	.800**	.318	.379
16	Nonzero Complement Presented Gain Signed Confidence	.462*	.098	.651**	.667**	.457*	.485*	.623**	.627**	.814**	.819**	.334	.401*
17	Gain Lives Risky Choices	.259	-.074	.694**	.670**	.872**	.866**	.198	.202	.822**	.791**	.703**	.732**
18	Gain Lives Signed Confidence	.302	-.160	.704**	.689**	.867**	.881**	.222	.219	.810**	.804**	.669**	.721**
19	Zero Complement Presented Gain Lives Risky Choices	.261	-.113	.596**	.582**	.776**	.768**	.137	.158	.698**	.660**	.884**	.866**
20	Zero Complement Presented Gain Lives Signed Confidence	.298	-.161	.662**	.651**	.827**	.837**	.194	.203	.737**	.727**	.842**	.869**
21	Both Complements Presented Gain Lives Risky Choices	.142	-.112	.661**	.644**	.804**	.798**	.221	.233	.828**	.815**	.616**	.678**
22	Both Complements Presented Gain Lives Signed Confidence	.210	-.205	.692**	.681**	.824**	.837**	.251	.255	.814**	.824**	.591**	.668**

		1	2	3	4	5	6	7	8	9	10	11	12
23	Nonzero Complement Presented Gain Lives Risky Choices	.304	.025	.604**	.571**	.764**	.760**	.167	.147	.676**	.641**	.417*	.444*
24	Nonzero Complement Presented Gain Lives Signed Confidence	.334	-.071	.588**	.566**	.743**	.759**	.162	.140	.678**	.660**	.428*	.464*
25	Gain Money Risky Choices	.191	.095	.567**	.596**	.141	.156	.855**	.875**	.652**	.674**	.317	.388
26	Gain Money Signed Confidence	.160	.114	.570**	.599**	.157	.166	.841**	.868**	.653**	.679**	.313	.393*
27	Zero Complement Presented Gain Money Risky Choices	.161	.037	.476*	.480*	.248	.237	.562**	.578**	.474*	.454*	.778**	.755**
28	Zero Complement Presented Gain Money Signed Confidence	.127	.067	.475*	.479*	.242	.223	.567**	.592**	.514**	.505**	.749**	.759**
29	Both Complements Presented Gain Money Risky Choices	-.064	-.030	.506**	.526**	.186	.196	.690**	.707**	.512**	.556**	.066	.171
30	Both Complements Presented Gain Money Signed Confidence	-.104	-.010	.525**	.542**	.213	.220	.692**	.707**	.524**	.564**	.079	.183
31	Nonzero Complement Presented Gain Money Risky Choices	.326	.189	.350	.386	-.051	-.024	.696**	.708**	.512**	.530**	.052	.113
32	Nonzero Complement Presented Gain Money Signed Confidence	.340	.198	.375	.416*	-.032	-.006	.717**	.741**	.520**	.543**	.079	.141
33	Loss Risky Choices	.418*	.063	.929**	.920**	.781**	.793**	.734**	.726**	.601**	.620**	.488*	.533**
34	Loss Signed Confidence	.466*	.078	.924**	.930**	.755**	.781**	.755**	.759**	.608**	.624**	.505**	.536**
35	Zero Complement Presented Loss Risky Choices	.444*	-.170	.769**	.780**	.634**	.680**	.622**	.606**	.558**	.572**	.286	.306
36	Zero Complement Presented Loss Signed Confidence	.452*	-.132	.784**	.811**	.642**	.695**	.640**	.645**	.567**	.583**	.329	.345
37	Both Complements Presented Loss Risky Choices	.273	.065	.864**	.853**	.685**	.697**	.733**	.716**	.567**	.601**	.505**	.578**
38	Both Complements Presented Loss Signed Confidence	.344	.083	.896**	.896**	.681**	.705**	.794**	.784**	.605**	.634**	.519**	.576**
39	Nonzero Complement Presented Loss Risky Choices	.386	.234	.803**	.782**	.723**	.704**	.576**	.584**	.461*	.464*	.474*	.498**
40	Nonzero Complement Presented Loss Signed Confidence	.465*	.236	.818**	.811**	.716**	.713**	.611**	.625**	.480*	.478*	.507**	.517**
41	Loss Lives Risky Choices	.243	-.062	.815**	.790**	.903**	.889**	.378	.388*	.522**	.531**	.478*	.524**
42	Loss Lives Signed Confidence	.306	-.041	.829**	.820**	.892**	.899**	.417*	.430*	.535**	.542**	.488*	.525**

		1	2	3	4	5	6	7	8	9	10	11	12
43	Zero Complement Presented Loss Lives Risky Choices	.380	-.142	.688**	.682**	.725**	.746**	.366	.359	.485*	.481*	.251	.264
44	Zero Complement Presented Loss Lives Signed Confidence	.356	-.107	.724**	.731**	.757**	.788**	.391*	.399*	.513**	.512**	.309	.328
45	Both Complements Presented Loss Lives Risky Choices	.130	.017	.769**	.737**	.833**	.805**	.380	.390*	.525**	.542**	.504**	.575**
46	Both Complements Presented Loss Lives Signed Confidence	.237	.024	.825**	.807**	.848**	.844**	.464*	.469*	.549**	.569**	.517**	.579**
47	Nonzero Complement Presented Loss Lives Risky Choices	.147	-.046	.682**	.658**	.807**	.781**	.255	.277	.371	.379	.483*	.516**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.248	-.029	.723**	.710**	.835**	.828**	.295	.315	.411*	.413*	.504**	.526**
49	Loss Money Risky Choices	.493*	.186	.785**	.795**	.411*	.450*	.922**	.894**	.512**	.538**	.355	.385
50	Loss Money Signed Confidence	.519**	.185	.794**	.816**	.421*	.461*	.926**	.918**	.534**	.555**	.398*	.414*
51	Zero Complement Presented Loss Money Risky Choices	.395*	-.154	.648**	.677**	.348	.411*	.752**	.729**	.488*	.519**	.247	.269
52	Zero Complement Presented Loss Money Signed Confidence	.443*	-.125	.647**	.689**	.342	.407*	.755**	.754**	.480*	.511**	.266	.274
53	Both Complements Presented Loss Money Risky Choices	.330	.093	.666**	.680**	.290	.340	.854**	.815**	.415*	.455*	.332	.381
54	Both Complements Presented Loss Money Signed Confidence	.359	.119	.740**	.758**	.356	.400*	.907**	.885**	.507**	.538**	.391*	.430*
55	Nonzero Complement Presented Loss Money Risky Choices	.540**	.479*	.705**	.694**	.419*	.413*	.767**	.757**	.427*	.424*	.326	.332
56	Nonzero Complement Presented Loss Money Signed Confidence	.567**	.444*	.704**	.705**	.410*	.411*	.776**	.779**	.426*	.422*	.379	.375
57	Framing Index	.249	.080	.401*	.391*	.312	.325	.347	.324	-.134	-.101	-.026	-.026
58	Signed Confidence Framing Index	.293	.146	.368	.372	.272	.291	.336	.327	-.150	-.141	.006	-.036
59	Zero Complement Presented Framing Index	-.260	.171	-.277	-.301	-.154	-.220	-.315	-.282	-.128	-.172	.311	.274
60	Zero Complement Presented Signed Confidence Framing Index	.233	-.070	.226	.256	.095	.149	.294	.284	-.039	-.014	-.416*	-.419*
61	Both Complements Presented Framing Index	-.253	-.163	-.273	-.259	-.151	-.163	-.310	-.273	.178	.155	-.136	-.121
62	Both Complements Presented Signed Confidence Framing Index	.338	.249	.272	.269	.119	.136	.347	.322	-.164	-.162	.170	.119

		1	2	3	4	5	6	7	8	9	10	11	12
63	Nonzero Complement Presented Framing Index	-.069	-.117	-.306	-.285	-.345	-.316	-.135	-.146	.114	.103	-.224	-.206
64	Nonzero Complement Presented Signed Confidence Framing Index	.105	.148	.296	.279	.338	.315	.126	.136	-.127	-.132	.232	.194
65	Lives Framing Index	-.019	-.003	-.238	-.234	-.160	-.151	-.235	-.243	.228	.186	.158	.135
66	Lives Signed Confidence Framing Index	-.030	-.122	-.200	-.207	-.100	-.094	-.241	-.258	.245	.230	.150	.164
67	Zero Complement Presented Lives Framing Index	-.260	.171	-.277	-.301	-.154	-.220	-.315	-.282	-.128	-.172	.311	.274
68	Zero Complement Presented Lives Signed Confidence Framing Index	.088	.034	.131	.148	.022	.044	.211	.212	-.137	-.129	-.422*	-.427*
69	Both Complements Presented Lives Framing Index	.001	-.128	-.164	-.148	-.092	-.068	-.186	-.184	.258	.227	.072	.058
70	Both Complements Presented Lives Signed Confidence Framing Index	.022	.242	.118	.110	.001	-.016	.212	.213	-.296	-.287	-.092	-.110
71	Nonzero Complement Presented Lives Framing Index	.091	.063	-.190	-.193	-.188	-.166	-.116	-.152	.161	.126	-.143	-.154
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.032	.029	.211	.216	.192	.174	.148	.184	-.153	-.136	.133	.124
73	Money Framing Index	-.426*	-.140	-.438*	-.425*	-.371	-.404*	-.343	-.292	-.031	-.042	-.143	-.116
74	Money Signed Confidence Framing Index	-.475*	-.115	-.412*	-.411*	-.359	-.398*	-.310	-.275	-.016	-.016	-.180	-.122
75	Zero Complement Presented Money Framing Index	-.260	.171	-.277	-.301	-.154	-.220	-.315	-.282	-.128	-.172	.311	.274
76	Zero Complement Presented Money Signed Confidence Framing Index	.317	-.161	.259	.295	.144	.217	.294	.275	.079	.113	-.282	-.282
77	Both Complements Presented Money Framing Index	-.414*	-.127	-.266	-.262	-.147	-.192	-.303	-.246	.011	.007	-.299	-.259
78	Both Complements Presented Money Signed Confidence Framing Index	.502**	.142	.302	.306	.184	.226	.323	.283	.045	.039	.357	.296
79	Nonzero Complement Presented Money Framing Index	-.224	-.282	-.355	-.315	-.429*	-.400*	-.123	-.103	.036	.054	-.256	-.211
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.222	.236	.318	.282	.412*	.389*	.077	.058	-.072	-.097	.283	.223

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		13	14	15	16	17	18	19	20	21	22	23	24
1	Age (Years)	.061	.075	.431*	.462*	.259	.302	.261	.298	.142	.210	.304	.334
2	Gender (0 = female)	-.096	-.142	.148	.098	-.074	-.160	-.113	-.161	-.112	-.205	.025	-.071
3	Risky Choices	.757**	.776**	.651**	.651**	.694**	.704**	.596**	.662**	.661**	.692**	.604**	.588**
4	Signed Confidence	.757**	.779**	.654**	.667**	.670**	.689**	.582**	.651**	.644**	.681**	.571**	.566**
5	Lives Risky Choices	.669**	.673**	.481*	.457*	.872**	.867**	.776**	.827**	.804**	.824**	.764**	.743**
6	Lives Signed Confidence	.671**	.686**	.498**	.485*	.866**	.881**	.768**	.837**	.798**	.837**	.760**	.759**
7	Money Risky Choices	.558**	.587**	.595**	.623**	.198	.222	.137	.194	.221	.251	.167	.162
8	Money Signed Confidence	.577**	.599**	.590**	.627**	.202	.219	.158	.203	.233	.255	.147	.140
9	Gain Risky Choices	.877**	.856**	.812**	.814**	.822**	.810**	.698**	.737**	.828**	.814**	.676**	.678**
10	Gain Signed Confidence	.894**	.887**	.800**	.819**	.791**	.804**	.660**	.727**	.815**	.824**	.641**	.660**
11	Zero Complement Presented Gain Risky Choices	.468*	.437*	.318	.334	.703**	.669**	.884**	.842**	.616**	.591**	.417*	.428*
12	Zero Complement Presented Gain Signed Confidence	.572**	.552**	.379	.401*	.732**	.721**	.866**	.869**	.678**	.668**	.444*	.464*
13	Both Complements Presented Gain Risky Choices	1	.988**	.614**	.623**	.684**	.683**	.508**	.581**	.819**	.805**	.486*	.479*
14	Both Complements Presented Gain Signed Confidence	.988**	1	.604**	.612**	.663**	.682**	.481*	.574**	.791**	.807**	.485*	.481*
15	Nonzero Complement Presented Gain Risky Choices	.614**	.604**	1	.981**	.606**	.608**	.332	.388	.555**	.561**	.723**	.725**
16	Nonzero Complement Presented Gain Signed Confidence	.623**	.612**	.981**	1	.578**	.599**	.332	.393*	.547**	.562**	.657**	.691**
17	Gain Lives Risky Choices	.684**	.663**	.606**	.578**	1	.981**	.889**	.918**	.929**	.923**	.870**	.867**
18	Gain Lives Signed Confidence	.683**	.682**	.608**	.599**	.981**	1	.858**	.925**	.915**	.947**	.862**	.888**
19	Zero Complement Presented Gain Lives Risky Choices	.508**	.481*	.332	.332	.889**	.858**	1	.968**	.781**	.769**	.632**	.641**
20	Zero Complement Presented Gain Lives Signed Confidence	.581**	.574**	.388	.393*	.918**	.925**	.968**	1	.834**	.854**	.681**	.707**
21	Both Complements Presented Gain Lives Risky Choices	.819**	.791**	.555**	.547**	.929**	.915**	.781**	.834**	1	.972**	.701**	.707**
22	Both Complements Presented Gain Lives Signed Confidence	.805**	.807**	.561**	.562**	.923**	.947**	.769**	.854**	.972**	1	.725**	.749**

		13	14	15	16	17	18	19	20	21	22	23	24
23	Nonzero Complement Presented Gain Lives Risky Choices	.486*	.485*	.723**	.657**	.870**	.862**	.632**	.681**	.701**	.725**	1	.977**
24	Nonzero Complement Presented Gain Lives Signed Confidence	.479*	.481*	.725**	.691**	.867**	.888**	.641**	.707**	.707**	.749**	.977**	1
25	Gain Money Risky Choices	.621**	.613**	.612**	.652**	.104	.109	.035	.065	.209	.194	.023	.030
26	Gain Money Signed Confidence	.651**	.641**	.587**	.630**	.112	.109	.044	.074	.233	.209	.007	.007
27	Zero Complement Presented Gain Money Risky Choices	.236	.214	.180	.210	.188	.163	.396*	.355	.162	.127	-.030	-.021
28	Zero Complement Presented Gain Money Signed Confidence	.324	.295	.211	.246	.185	.156	.374	.337	.193	.147	-.050	-.046
29	Both Complements Presented Gain Money Risky Choices	.733**	.745**	.388	.413*	.063	.078	-.060	.001	.209	.218	-.003	-.022
30	Both Complements Presented Gain Money Signed Confidence	.751**	.769**	.385	.396*	.090	.094	-.044	.019	.247	.242	.013	-.020
31	Nonzero Complement Presented Gain Money Risky Choices	.412*	.399*	.738**	.776**	.025	.037	-.139	-.105	.117	.102	.067	.092
32	Nonzero Complement Presented Gain Money Signed Confidence	.434*	.416*	.709**	.765**	.026	.036	-.113	-.087	.126	.109	.036	.063
33	Loss Risky Choices	.540**	.583**	.423*	.421*	.482*	.506**	.420*	.493*	.428*	.484*	.448*	.421*
34	Loss Signed Confidence	.530**	.569**	.436*	.443*	.468*	.489*	.428*	.486*	.410*	.462*	.424*	.402*
35	Zero Complement Presented Loss Risky Choices	.448*	.488*	.599**	.609**	.445*	.489*	.277	.335	.374	.447*	.537**	.565**
36	Zero Complement Presented Loss Signed Confidence	.463*	.500**	.567**	.588**	.433*	.474*	.301	.351	.369	.439*	.488*	.516**
37	Both Complements Presented Loss Risky Choices	.550**	.602**	.317	.314	.403*	.436*	.383	.476*	.367	.422*	.335	.307
38	Both Complements Presented Loss Signed Confidence	.568**	.616**	.376	.381	.415*	.442*	.397*	.475*	.380	.430*	.341	.317
39	Nonzero Complement Presented Loss Risky Choices	.421*	.445*	.228	.217	.419*	.411*	.431*	.472*	.380	.404*	.322	.259
40	Nonzero Complement Presented Loss Signed Confidence	.406*	.429*	.259	.252	.421*	.412*	.450*	.482*	.361	.386	.330	.273
41	Loss Lives Risky Choices	.516**	.542**	.271	.255	.577**	.587**	.515**	.575**	.527**	.566**	.511**	.480*
42	Loss Lives Signed Confidence	.518**	.545**	.291	.278	.576**	.585**	.524**	.578**	.522**	.559**	.506**	.479*

		13	14	15	16	17	18	19	20	21	22	23	24
43	Zero Complement Presented Loss Lives Risky Choices	.387	.406*	.521**	.510**	.502**	.524**	.317	.358	.413*	.469*	.612**	.617**
44	Zero Complement Presented Loss Lives Signed Confidence	.429*	.448*	.491*	.484*	.518**	.534**	.358	.401*	.447*	.491*	.580**	.580**
45	Both Complements Presented Loss Lives Risky Choices	.562**	.587**	.204	.188	.537**	.541**	.506**	.574**	.523**	.539**	.415*	.380
46	Both Complements Presented Loss Lives Signed Confidence	.567**	.598**	.245	.236	.544**	.554**	.519**	.586**	.518**	.542**	.428*	.403*
47	Nonzero Complement Presented Loss Lives Risky Choices	.404*	.428*	.024	.010	.479*	.480*	.515**	.561**	.444*	.477*	.336	.288
48	Nonzero Complement Presented Loss Lives Signed Confidence	.426*	.451*	.077	.059	.517**	.515**	.550**	.590**	.465*	.497**	.385	.339
49	Loss Money Risky Choices	.407*	.458*	.472*	.486*	.231	.265	.188	.254	.189	.248	.244	.230
50	Loss Money Signed Confidence	.410*	.453*	.482*	.507**	.237	.265	.219	.267	.189	.245	.231	.220
51	Zero Complement Presented Loss Money Risky Choices	.395*	.449*	.522**	.554**	.252	.310	.151	.212	.223	.296	.298	.345
52	Zero Complement Presented Loss Money Signed Confidence	.380	.428*	.504**	.552**	.222	.281	.156	.202	.184	.264	.255	.307
53	Both Complements Presented Loss Money Risky Choices	.347	.409*	.326	.339	.121	.174	.120	.207	.075	.152	.134	.124
54	Both Complements Presented Loss Money Signed Confidence	.427*	.480*	.406*	.422*	.191	.227	.184	.252	.156	.219	.175	.158
55	Nonzero Complement Presented Loss Money Risky Choices	.318	.335	.390*	.385	.231	.214	.212	.235	.199	.205	.213	.151
56	Nonzero Complement Presented Loss Money Signed Confidence	.281	.296	.378	.384	.215	.200	.233	.248	.162	.173	.189	.137
57	Framing Index	-.102	-.029	-.189	-.194	-.126	-.085	-.092	-.037	-.198	-.116	-.040	-.074
58	Signed Confidence Framing Index	-.161	-.104	-.193	-.202	-.143	-.129	-.072	-.061	-.239	-.182	-.060	-.104
59	Zero Complement Presented Framing Index	-.207	-.273	-.365	-.374	-.106	-.178	.134	.048	-.096	-.189	-.301	-.338
60	Zero Complement Presented Signed Confidence Framing Index	.017	.068	.263	.267	-.133	-.085	-.361	-.315	-.153	-.078	.137	.150
61	Both Complements Presented Framing Index	.313	.243	.217	.228	.184	.145	.042	.004	.351	.275	.076	.100
62	Both Complements Presented Signed Confidence Framing Index	-.347	-.301	-.178	-.180	-.192	-.178	-.023	-.027	-.368	-.324	-.096	-.120

		13	14	15	16	17	18	19	20	21	22	23	24
63	Nonzero Complement Presented Framing Index	.020	-.009	.451*	.449*	.016	.026	-.176	-.176	.018	.000	.182	.242
64	Nonzero Complement Presented Signed Confidence Framing Index	-.061	-.032	-.445*	-.464*	-.017	-.039	.182	.168	-.050	-.037	-.155	-.230
65	Lives Framing Index	.096	.045	.299	.290	.344	.313	.303	.264	.330	.279	.289	.322
66	Lives Signed Confidence Framing Index	.130	.098	.310	.314	.377	.388	.308	.317	.370	.363	.332	.390*
67	Zero Complement Presented Lives Framing Index	-.207	-.273	-.365	-.374	-.106	-.178	.134	.048	-.096	-.189	-.301	-.338
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.084	-.060	.141	.130	-.286	-.276	-.483*	-.469*	-.283	-.257	-.024	-.045
69	Both Complements Presented Lives Framing Index	.210	.156	.329	.339	.345	.327	.232	.213	.429*	.385	.250	.293
70	Both Complements Presented Lives Signed Confidence Framing Index	-.267	-.237	-.341	-.351	-.416*	-.431*	-.280	-.300	-.494*	-.500**	-.326	-.377
71	Nonzero Complement Presented Lives Framing Index	-.015	-.039	.527**	.491*	.206	.198	-.010	-.016	.110	.096	.440*	.469*
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.019	.041	-.502**	-.492*	-.203	-.221	.006	-.008	-.125	-.128	-.414*	-.475*
73	Money Framing Index	.069	.000	-.018	.002	-.185	-.223	-.197	-.249	-.040	-.125	-.275	-.252
74	Money Signed Confidence Framing Index	.132	.070	-.017	-.006	-.179	-.216	-.223	-.253	-.004	-.095	-.273	-.260
75	Zero Complement Presented Money Framing Index	-.207	-.273	-.365	-.374	-.106	-.178	.134	.048	-.096	-.189	-.301	-.338
76	Zero Complement Presented Money Signed Confidence Framing Index	.120	.185	.313	.332	.073	.147	-.120	-.052	.033	.138	.269	.314
77	Both Complements Presented Money Framing Index	.283	.226	-.004	.005	-.074	-.118	-.183	-.223	.107	.032	-.147	-.153
78	Both Complements Presented Money Signed Confidence Framing Index	-.269	-.227	.070	.077	.123	.160	.248	.261	-.070	.004	.182	.196
79	Nonzero Complement Presented Money Framing Index	.052	.026	.259	.294	-.191	-.166	-.311	-.304	-.085	-.104	-.140	-.062
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.129	-.100	-.289	-.333	.177	.155	.320	.310	.038	.063	.143	.071

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		25	26	27	28	29	30	31	32	33	34	35	36
1	Age (Years)	.191	.160	.161	.127	-.064	-.104	.326	.340	.418*	.466*	.444*	.452*
2	Gender (0 = female)	.095	.114	.037	.067	-.030	-.010	.189	.198	.063	.078	-.170	-.132
3	Risky Choices	.567**	.570**	.476*	.475*	.506**	.525**	.350	.375	.929**	.924**	.769**	.784**
4	Signed Confidence	.596**	.599**	.480*	.479*	.526**	.542**	.386	.416*	.920**	.930**	.780**	.811**
5	Lives Risky Choices	.141	.157	.248	.242	.186	.213	-.051	-.032	.781**	.755**	.634**	.642**
6	Lives Signed Confidence	.156	.166	.237	.223	.196	.220	-.024	-.006	.793**	.781**	.680**	.695**
7	Money Risky Choices	.855**	.841**	.562**	.567**	.690**	.692**	.696**	.717**	.734**	.755**	.622**	.640**
8	Money Signed Confidence	.875**	.868**	.578**	.592**	.707**	.707**	.708**	.741**	.726**	.759**	.606**	.645**
9	Gain Risky Choices	.652**	.653**	.474*	.514**	.512**	.524**	.512**	.520**	.601**	.608**	.558**	.567**
10	Gain Signed Confidence	.674**	.679**	.454*	.505**	.556**	.564**	.530**	.543**	.620**	.624**	.572**	.583**
11	Zero Complement Presented Gain Risky Choices	.317	.313	.778**	.749**	.066	.079	.052	.079	.488*	.505**	.286	.329
12	Zero Complement Presented Gain Signed Confidence	.388	.393*	.755**	.759**	.171	.183	.113	.141	.533**	.536**	.306	.345
13	Both Complements Presented Gain Risky Choices	.621**	.651**	.236	.324	.733**	.751**	.412*	.434*	.540**	.530**	.448*	.463*
14	Both Complements Presented Gain Signed Confidence	.613**	.641**	.214	.295	.745**	.769**	.399*	.416*	.583**	.569**	.488*	.500**
15	Nonzero Complement Presented Gain Risky Choices	.612**	.587**	.180	.211	.388	.385	.738**	.709**	.423*	.436*	.599**	.567**
16	Nonzero Complement Presented Gain Signed Confidence	.652**	.630**	.210	.246	.413*	.396*	.776**	.765**	.421*	.443*	.609**	.588**
17	Gain Lives Risky Choices	.104	.112	.188	.185	.063	.090	.025	.026	.482*	.468*	.445*	.433*
18	Gain Lives Signed Confidence	.109	.109	.163	.156	.078	.094	.037	.036	.506**	.489*	.489*	.474*
19	Zero Complement Presented Gain Lives Risky Choices	.035	.044	.396*	.374	-.060	-.044	-.139	-.113	.420*	.428*	.277	.301
20	Zero Complement Presented Gain Lives Signed Confidence	.065	.074	.355	.337	.001	.019	-.105	-.087	.493*	.486*	.335	.351
21	Both Complements Presented Gain Lives Risky Choices	.209	.233	.162	.193	.209	.247	.117	.126	.428*	.410*	.374	.369
22	Both Complements Presented Gain Lives Signed Confidence	.194	.209	.127	.147	.218	.242	.102	.109	.484*	.462*	.447*	.439*

		25	26	27	28	29	30	31	32	33	34	35	36
23	Nonzero Complement Presented Gain Lives Risky Choices	.023	.007	-.030	-.050	-.003	.013	.067	.036	.448*	.424*	.537**	.488*
24	Nonzero Complement Presented Gain Lives Signed Confidence	.030	.007	-.021	-.046	-.022	-.020	.092	.063	.421*	.402*	.565**	.516**
25	Gain Money Risky Choices	1	.992**	.577**	.651**	.811**	.797**	.862**	.874**	.408*	.439*	.382	.415*
26	Gain Money Signed Confidence	.992**	1	.557**	.651**	.833**	.827**	.840**	.864**	.412*	.439*	.352	.389*
27	Zero Complement Presented Gain Money Risky Choices	.577**	.557**	1	.970**	.211	.214	.290	.309	.395*	.419*	.191	.244
28	Zero Complement Presented Gain Money Signed Confidence	.651**	.651**	.970**	1	.324	.324	.354	.381	.365	.379	.142	.195
29	Both Complements Presented Gain Money Risky Choices	.811**	.833**	.211	.324	1	.987**	.564**	.590**	.412*	.416*	.320	.351
30	Both Complements Presented Gain Money Signed Confidence	.797**	.827**	.214	.324	.987**	1	.544**	.565**	.434*	.435*	.318	.346
31	Nonzero Complement Presented Gain Money Risky Choices	.862**	.840**	.290	.354	.564**	.544**	1	.989**	.174	.216	.340	.342
32	Nonzero Complement Presented Gain Money Signed Confidence	.874**	.864**	.309	.381	.590**	.565**	.989**	1	.207	.253	.337	.352
33	Loss Risky Choices	.408*	.412*	.395*	.365	.412*	.434*	.174	.207	1	.986**	.784**	.801**
34	Loss Signed Confidence	.439*	.439*	.419*	.379	.416*	.435*	.216	.253	.986**	1	.802**	.843**
35	Zero Complement Presented Loss Risky Choices	.382	.352	.191	.142	.320	.318	.340	.337	.784**	.802**	1	.973**
36	Zero Complement Presented Loss Signed Confidence	.415*	.389*	.244	.195	.351	.346	.342	.352	.801**	.843**	.973**	1
37	Both Complements Presented Loss Risky Choices	.454*	.466*	.480*	.474*	.502**	.531**	.130	.159	.925**	.895**	.586**	.605**
38	Both Complements Presented Loss Signed Confidence	.504**	.513**	.487*	.471*	.516**	.546**	.210	.243	.946**	.939**	.661**	.688**
39	Nonzero Complement Presented Loss Risky Choices	.247	.269	.354	.326	.266	.294	.015	.069	.906**	.885**	.515**	.560**
40	Nonzero Complement Presented Loss Signed Confidence	.277	.291	.392*	.349	.264	.287	.052	.105	.915**	.920**	.565**	.622**
41	Loss Lives Risky Choices	.144	.164	.249	.240	.254	.277	-.108	-.076	.880**	.848**	.667**	.690**
42	Loss Lives Signed Confidence	.167	.184	.256	.237	.263	.290	-.075	-.043	.892**	.886**	.714**	.753**

		25	26	27	28	29	30	31	32	33	34	35	36
43	Zero Complement Presented Loss Lives Risky Choices	.178	.157	.068	.032	.169	.158	.155	.155	.712**	.715**	.893**	.866**
44	Zero Complement Presented Loss Lives Signed Confidence	.206	.196	.127	.096	.201	.204	.142	.151	.747**	.771**	.868**	.893**
45	Both Complements Presented Loss Lives Risky Choices	.202	.239	.311	.339	.338	.380	-.110	-.079	.808**	.757**	.472*	.496*
46	Both Complements Presented Loss Lives Signed Confidence	.234	.266	.320	.330	.352	.396*	-.064	-.033	.877**	.847**	.586**	.610**
47	Nonzero Complement Presented Loss Lives Risky Choices	.010	.042	.258	.244	.161	.187	-.294	-.243	.784**	.752**	.422*	.481*
48	Nonzero Complement Presented Loss Lives Signed Confidence	.029	.054	.253	.224	.174	.202	-.265	-.221	.818**	.809**	.512**	.570**
49	Loss Money Risky Choices	.588**	.572**	.445*	.398*	.471*	.484*	.443*	.466*	.841**	.851**	.686**	.690**
50	Loss Money Signed Confidence	.618**	.600**	.487*	.435*	.475*	.479*	.470*	.504**	.840**	.871**	.696**	.728**
51	Zero Complement Presented Loss Money Risky Choices	.516**	.485*	.283	.233	.409*	.417*	.463*	.458*	.649**	.679**	.845**	.827**
52	Zero Complement Presented Loss Money Signed Confidence	.543**	.507**	.313	.256	.429*	.416*	.479*	.488*	.652**	.704**	.838**	.859**
53	Both Complements Presented Loss Money Risky Choices	.565**	.546**	.492*	.452*	.502**	.508**	.340	.357	.728**	.731**	.503**	.511**
54	Both Complements Presented Loss Money Signed Confidence	.632**	.618**	.522**	.486*	.542**	.552**	.415*	.442*	.776**	.793**	.567**	.589**
55	Nonzero Complement Presented Loss Money Risky Choices	.439*	.444*	.357	.323	.306	.327	.354	.397*	.779**	.776**	.469*	.486*
56	Nonzero Complement Presented Loss Money Signed Confidence	.459*	.457*	.433*	.387	.287	.299	.361	.409*	.778**	.795**	.474*	.514**
57	Framing Index	-.067	-.064	.074	.000	.061	.077	-.235	-.201	.711**	.688**	.482*	.494*
58	Signed Confidence Framing Index	-.071	-.076	.108	.010	.009	.025	-.220	-.186	.672**	.686**	.483*	.525**
59	Zero Complement Presented Framing Index	-.082	-.068	.432*	.458*	-.238	-.243	-.234	-.215	-.334	-.346	-.662**	-.607**
60	Zero Complement Presented Signed Confidence Framing Index	.109	.081	-.333	-.383	.211	.196	.245	.235	.374	.412*	.711**	.708**
61	Both Complements Presented Framing Index	.066	.081	-.323	-.235	.117	.101	.239	.226	-.545**	-.520**	-.245	-.253
62	Both Complements Presented Signed Confidence Framing Index	-.032	-.050	.365	.261	-.155	-.144	-.163	-.141	.534**	.541**	.289	.309

		25	26	27	28	29	30	31	32	33	34	35	36
63	Nonzero Complement Presented Framing Index	.178	.141	-.205	-.159	.013	-.015	.474*	.405*	-.551**	-.523**	-.077	-.139
64	Nonzero Complement Presented Signed Confidence Framing Index	-.199	-.172	.213	.148	-.045	-.013	-.491*	-.436*	.545**	.534**	.094	.160
65	Lives Framing Index	-.060	-.075	-.097	-.090	-.229	-.229	.150	.113	-.526**	-.504**	-.319	-.358
66	Lives Signed Confidence Framing Index	-.076	-.094	-.119	-.105	-.217	-.231	.123	.087	-.481*	-.493*	-.296	-.358
67	Zero Complement Presented Lives Framing Index	-.082	-.068	.432*	.458*	-.238	-.243	-.234	-.215	-.334	-.346	-.662**	-.607**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.143	.126	-.181	-.196	.193	.180	.227	.220	.298	.327	.550**	.560**
69	Both Complements Presented Lives Framing Index	-.008	-.024	-.170	-.170	-.152	-.160	.231	.208	-.435*	-.398*	-.132	-.162
70	Both Complements Presented Lives Signed Confidence Framing Index	.036	.053	.195	.184	.132	.152	-.174	-.149	.391*	.384	.130	.165
71	Nonzero Complement Presented Lives Framing Index	.008	-.035	-.269	-.271	-.156	-.168	.331	.259	-.406*	-.394*	.007	-.087
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.003	.044	.253	.246	.180	.205	-.320	-.256	.432*	.438*	.031	.125
73	Money Framing Index	.193	.205	-.017	.107	.165	.134	.244	.227	-.651**	-.635**	-.486*	-.461*
74	Money Signed Confidence Framing Index	.209	.239	-.053	.101	.229	.218	.242	.224	-.621**	-.632**	-.503**	-.507**
75	Zero Complement Presented Money Framing Index	-.082	-.068	.432*	.458*	-.238	-.243	-.234	-.215	-.334	-.346	-.662**	-.607**
76	Zero Complement Presented Money Signed Confidence Framing Index	.040	.007	-.394*	-.467*	.165	.154	.190	.179	.341	.378	.667**	.649**
77	Both Complements Presented Money Framing Index	.117	.157	-.342	-.198	.355	.338	.139	.143	-.416*	-.416*	-.256	-.237
78	Both Complements Presented Money Signed Confidence Framing Index	-.086	-.131	.369	.219	-.374	-.376	-.077	-.068	.432*	.450*	.315	.313
79	Nonzero Complement Presented Money Framing Index	.317	.295	-.087	-.001	.190	.154	.511**	.462*	-.571**	-.533**	-.147	-.161
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.362	-.354	.126	.016	-.265	-.231	-.557**	-.523**	.540**	.514**	.138	.161

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		37	38	39	40	41	42	43	44	45	46	47	48
1	Age (Years)	.273	.344	.386	.465*	.243	.306	.380	.356	.130	.237	.147	.248
2	Gender (0 = female)	.065	.083	.234	.236	-.062	-.041	-.142	-.107	.017	.024	-.046	-.029
3	Risky Choices	.864**	.896**	.803**	.818**	.815**	.829**	.688**	.724**	.769**	.825**	.682**	.723**
4	Signed Confidence	.853**	.896**	.782**	.811**	.790**	.820**	.682**	.731**	.737**	.807**	.658**	.710**
5	Lives Risky Choices	.685**	.681**	.723**	.716**	.903**	.892**	.725**	.757**	.833**	.848**	.807**	.835**
6	Lives Signed Confidence	.697**	.705**	.704**	.713**	.889**	.899**	.746**	.788**	.805**	.844**	.781**	.828**
7	Money Risky Choices	.733**	.794**	.576**	.611**	.378	.417*	.366	.391*	.380	.464*	.255	.295
8	Money Signed Confidence	.716**	.784**	.584**	.625**	.388*	.430*	.359	.399*	.390*	.469*	.277	.315
9	Gain Risky Choices	.567**	.605**	.461*	.480*	.522**	.535**	.485*	.513**	.525**	.549**	.371	.411*
10	Gain Signed Confidence	.601**	.634**	.464*	.478*	.531**	.542**	.481*	.512**	.542**	.569**	.379	.413*
11	Zero Complement Presented Gain Risky Choices	.505**	.519**	.474*	.507**	.478*	.488*	.251	.309	.504**	.517**	.483*	.504**
12	Zero Complement Presented Gain Signed Confidence	.578**	.576**	.498**	.517**	.524**	.525**	.264	.328	.575**	.579**	.516**	.526**
13	Both Complements Presented Gain Risky Choices	.550**	.568**	.421*	.406*	.516**	.518**	.387	.429*	.562**	.567**	.404*	.426*
14	Both Complements Presented Gain Signed Confidence	.602**	.616**	.445*	.429*	.542**	.545**	.406*	.448*	.587**	.598**	.428*	.451*
15	Nonzero Complement Presented Gain Risky Choices	.317	.376	.228	.259	.271	.291	.521**	.491*	.204	.245	.024	.077
16	Nonzero Complement Presented Gain Signed Confidence	.314	.381	.217	.252	.255	.278	.510**	.484*	.188	.236	.010	.059
17	Gain Lives Risky Choices	.403*	.415*	.419*	.421*	.577**	.576**	.502**	.518**	.537**	.544**	.479*	.517**
18	Gain Lives Signed Confidence	.436*	.442*	.411*	.412*	.587**	.585**	.524**	.534**	.541**	.554**	.480*	.515**
19	Zero Complement Presented Gain Lives Risky Choices	.383	.397*	.431*	.450*	.515**	.524**	.317	.358	.506**	.519**	.515**	.550**
20	Zero Complement Presented Gain Lives Signed Confidence	.476*	.475*	.472*	.482*	.575**	.578**	.358	.401*	.574**	.586**	.561**	.590**
21	Both Complements Presented Gain Lives Risky Choices	.367	.380	.380	.361	.527**	.522**	.413*	.447*	.523**	.518**	.444*	.465*
22	Both Complements Presented Gain Lives Signed Confidence	.422*	.430*	.404*	.386	.566**	.559**	.469*	.491*	.539**	.542**	.477*	.497**

		37	38	39	40	41	42	43	44	45	46	47	48
23	Nonzero Complement Presented Gain Lives Risky Choices	.335	.341	.322	.330	.511**	.506**	.612**	.580**	.415*	.428*	.336	.385
24	Nonzero Complement Presented Gain Lives Signed Confidence	.307	.317	.259	.273	.480*	.479*	.617**	.580**	.380	.403*	.288	.339
25	Gain Money Risky Choices	.454*	.504**	.247	.277	.144	.167	.178	.206	.202	.234	.010	.029
26	Gain Money Signed Confidence	.466*	.513**	.269	.291	.164	.184	.157	.196	.239	.266	.042	.054
27	Zero Complement Presented Gain Money Risky Choices	.480*	.487*	.354	.392*	.249	.256	.068	.127	.311	.320	.258	.253
28	Zero Complement Presented Gain Money Signed Confidence	.474*	.471*	.326	.349	.240	.237	.032	.096	.339	.330	.244	.224
29	Both Complements Presented Gain Money Risky Choices	.502**	.516**	.266	.264	.254	.263	.169	.201	.338	.352	.161	.174
30	Both Complements Presented Gain Money Signed Confidence	.531**	.546**	.294	.287	.277	.290	.158	.204	.380	.396*	.187	.202
31	Nonzero Complement Presented Gain Money Risky Choices	.130	.210	.015	.052	-.108	-.075	.155	.142	-.110	-.064	-.294	-.265
32	Nonzero Complement Presented Gain Money Signed Confidence	.159	.243	.069	.105	-.076	-.043	.155	.151	-.079	-.033	-.243	-.221
33	Loss Risky Choices	.925**	.946**	.906**	.915**	.880**	.892**	.712**	.747**	.808**	.877**	.784**	.818**
34	Loss Signed Confidence	.895**	.939**	.885**	.920**	.848**	.886**	.715**	.771**	.757**	.847**	.752**	.809**
35	Zero Complement Presented Loss Risky Choices	.586**	.661**	.515**	.565**	.667**	.714**	.893**	.868**	.472*	.586**	.422*	.512**
36	Zero Complement Presented Loss Signed Confidence	.605**	.688**	.560**	.622**	.690**	.753**	.866**	.893**	.496*	.610**	.481*	.570**
37	Both Complements Presented Loss Risky Choices	1	.983**	.822**	.818**	.789**	.791**	.493*	.545**	.843**	.884**	.719**	.737**
38	Both Complements Presented Loss Signed Confidence	.983**	1	.825**	.843**	.772**	.800**	.546**	.602**	.790**	.863**	.681**	.726**
39	Nonzero Complement Presented Loss Risky Choices	.822**	.825**	1	.983**	.838**	.827**	.516**	.573**	.780**	.813**	.878**	.869**
40	Nonzero Complement Presented Loss Signed Confidence	.818**	.843**	.983**	1	.825**	.841**	.547**	.611**	.745**	.806**	.850**	.875**
41	Loss Lives Risky Choices	.789**	.772**	.838**	.825**	1	.982**	.768**	.808**	.919**	.937**	.926**	.939**
42	Loss Lives Signed Confidence	.791**	.800**	.827**	.841**	.982**	1	.794**	.857**	.880**	.935**	.895**	.944**

		37	38	39	40	41	42	43	44	45	46	47	48
43	Zero Complement Presented Loss Lives Risky Choices	.493*	.546**	.516**	.547**	.768**	.794**	1	.965**	.522**	.611**	.531**	.608**
44	Zero Complement Presented Loss Lives Signed Confidence	.545**	.602**	.573**	.611**	.808**	.857**	.965**	1	.577**	.670**	.607**	.684**
45	Both Complements Presented Loss Lives Risky Choices	.843**	.790**	.780**	.745**	.919**	.880**	.522**	.577**	1	.974**	.864**	.855**
46	Both Complements Presented Loss Lives Signed Confidence	.884**	.863**	.813**	.806**	.937**	.935**	.611**	.670**	.974**	1	.855**	.887**
47	Nonzero Complement Presented Loss Lives Risky Choices	.719**	.681**	.878**	.850**	.926**	.895**	.531**	.607**	.864**	.855**	1	.975**
48	Nonzero Complement Presented Loss Lives Signed Confidence	.737**	.726**	.869**	.875**	.939**	.944**	.608**	.684**	.855**	.887**	.975**	1
49	Loss Money Risky Choices	.805**	.863**	.715**	.747**	.483*	.526**	.438*	.457*	.443*	.550**	.390*	.439*
50	Loss Money Signed Confidence	.781**	.853**	.726**	.774**	.495*	.545**	.453*	.487*	.437*	.543**	.412*	.465*
51	Zero Complement Presented Loss Money Risky Choices	.530**	.611**	.370	.427*	.359	.417*	.514**	.508**	.281	.392*	.173	.253
52	Zero Complement Presented Loss Money Signed Confidence	.514**	.604**	.399*	.470*	.376	.439*	.526**	.537**	.274	.383	.211	.291
53	Both Complements Presented Loss Money Risky Choices	.821**	.848**	.581**	.612**	.378	.422*	.292	.322	.383	.482*	.316	.356
54	Both Complements Presented Loss Money Signed Confidence	.833**	.880**	.632**	.669**	.426*	.475*	.350	.390*	.421*	.520**	.348	.395*
55	Nonzero Complement Presented Loss Money Risky Choices	.698**	.746**	.845**	.845**	.497**	.510**	.348	.369	.460*	.529**	.486*	.498**
56	Nonzero Complement Presented Loss Money Signed Confidence	.690**	.745**	.846**	.870**	.496*	.519**	.344	.380	.441*	.516**	.504**	.522**
57	Framing Index	.648**	.640**	.718**	.712**	.631**	.635**	.456*	.475*	.540**	.604**	.646**	.653**
58	Signed Confidence Framing Index	.574**	.600**	.689**	.720**	.580**	.618**	.458*	.500**	.453*	.544**	.599**	.641**
59	Zero Complement Presented Framing Index	-.164	-.234	-.101	-.128	-.164	-.213	-.436*	-.389*	-.046	-.145	.018	-.062
60	Zero Complement Presented Signed Confidence Framing Index	.150	.232	.167	.212	.274	.334	.639**	.617**	.047	.155	.077	.156
61	Both Complements Presented Framing Index	-.621**	-.585**	-.540**	-.549**	-.414*	-.414*	-.198	-.217	-.430*	-.473*	-.439*	-.438*
62	Both Complements Presented Signed Confidence Framing Index	.560**	.565**	.532**	.571**	.367	.398*	.237	.260	.341	.418*	.376	.407*

		37	38	39	40	41	42	43	44	45	46	47	48
63	Nonzero Complement Presented Framing Index	-.544**	-.508**	-.766**	-.730**	-.589**	-.566**	-.128	-.201	-.580**	-.583**	-.788**	-.745**
64	Nonzero Complement Presented Signed Confidence Framing Index	.531**	.507**	.749**	.740**	.578**	.576**	.146	.223	.552**	.573**	.771**	.760**
65	Lives Framing Index	-.502**	-.470*	-.542**	-.524**	-.568**	-.548**	-.378	-.407*	-.516**	-.529**	-.583**	-.559**
66	Lives Signed Confidence Framing Index	-.440*	-.444*	-.508**	-.522**	-.498**	-.520**	-.350	-.411*	-.431*	-.479*	-.513**	-.530**
67	Zero Complement Presented Lives Framing Index	-.164	-.234	-.101	-.128	-.164	-.213	-.436*	-.389*	-.046	-.145	.018	-.062
68	Zero Complement Presented Lives Signed Confidence Framing Index	.118	.175	.149	.177	.287	.331	.624**	.621**	.065	.144	.105	.155
69	Both Complements Presented Lives Framing Index	-.531**	-.463*	-.452*	-.435*	-.455*	-.419*	-.147	-.172	-.545**	-.522**	-.479*	-.449*
70	Both Complements Presented Lives Signed Confidence Framing Index	.464*	.434*	.409*	.422*	.366	.372	.133	.170	.433*	.457*	.376	.387
71	Nonzero Complement Presented Lives Framing Index	-.431*	-.390*	-.591**	-.559**	-.494*	-.468*	-.041	-.137	-.508**	-.490*	-.698**	-.636**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.446*	.427*	.607**	.602**	.498**	.503**	.079	.180	.499**	.510**	.684**	.667**
73	Money Framing Index	-.565**	-.590**	-.644**	-.655**	-.455*	-.487*	-.370	-.367	-.355	-.454*	-.464*	-.506**
74	Money Signed Confidence Framing Index	-.497**	-.538**	-.621**	-.658**	-.442*	-.483*	-.399*	-.402*	-.299	-.401*	-.459*	-.512**
75	Zero Complement Presented Money Framing Index	-.164	-.234	-.101	-.128	-.164	-.213	-.436*	-.389*	-.046	-.145	.018	-.062
76	Zero Complement Presented Money Signed Confidence Framing Index	.138	.222	.136	.185	.175	.235	.459*	.424*	.012	.119	.022	.110
77	Both Complements Presented Money Framing Index	-.436*	-.453*	-.389*	-.424*	-.181	-.220	-.164	-.167	-.111	-.204	-.197	-.228
78	Both Complements Presented Money Signed Confidence Framing Index	.399*	.438*	.411*	.459*	.199	.241	.232	.232	.091	.186	.202	.239
79	Nonzero Complement Presented Money Framing Index	-.532**	-.510**	-.765**	-.734**	-.547**	-.532**	-.190	-.220	-.515**	-.540**	-.692**	-.679**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.501**	.476*	.728**	.718**	.531**	.524**	.181	.218	.484*	.512**	.691**	.688**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

	49	50	51	52	53	54	55	56	57	58	59	60
1 Age (Years)	.493*	.519**	.395*	.443*	.330	.359	.540**	.567**	.249	.293	-.260	.233
2 Gender (0 = female)	.186	.185	-.154	-.125	.093	.119	.479*	.444*	.080	.146	.171	-.070
3 Risky Choices	.785**	.794**	.648**	.647**	.666**	.740**	.705**	.704**	.401*	.368	-.277	.226
4 Signed Confidence	.795**	.816**	.677**	.689**	.680**	.758**	.694**	.705**	.391*	.372	-.301	.256
5 Lives Risky Choices	.411*	.421*	.348	.342	.290	.356	.419*	.410*	.312	.272	-.154	.095
6 Lives Signed Confidence	.450*	.461*	.411*	.407*	.340	.400*	.413*	.411*	.325	.291	-.220	.149
7 Money Risky Choices	.922**	.926**	.752**	.755**	.854**	.907**	.767**	.776**	.347	.336	-.315	.294
8 Money Signed Confidence	.894**	.918**	.729**	.754**	.815**	.885**	.757**	.779**	.324	.327	-.282	.284
9 Gain Risky Choices	.512**	.534**	.488*	.480*	.415*	.507**	.427*	.426*	-.134	-.150	-.128	-.039
10 Gain Signed Confidence	.538**	.555**	.519**	.511**	.455*	.538**	.424*	.422*	-.101	-.141	-.172	-.014
11 Zero Complement Presented Gain Risky Choices	.355	.398*	.247	.266	.332	.391*	.326	.379	-.026	.006	.311	-.416*
12 Zero Complement Presented Gain Signed Confidence	.385	.414*	.269	.274	.381	.430*	.332	.375	-.026	-.036	.274	-.419*
13 Both Complements Presented Gain Risky Choices	.407*	.410*	.395*	.380	.347	.427*	.318	.281	-.102	-.161	-.207	.017
14 Both Complements Presented Gain Signed Confidence	.458*	.453*	.449*	.428*	.409*	.480*	.335	.296	-.029	-.104	-.273	.068
15 Nonzero Complement Presented Gain Risky Choices	.472*	.482*	.522**	.504**	.326	.406*	.390*	.378	-.189	-.193	-.365	.263
16 Nonzero Complement Presented Gain Signed Confidence	.486*	.507**	.554**	.552**	.339	.422*	.385	.384	-.194	-.202	-.374	.267
17 Gain Lives Risky Choices	.231	.237	.252	.222	.121	.191	.231	.215	-.126	-.143	-.106	-.133
18 Gain Lives Signed Confidence	.265	.265	.310	.281	.174	.227	.214	.200	-.085	-.129	-.178	-.085
19 Zero Complement Presented Gain Lives Risky Choices	.188	.219	.151	.156	.120	.184	.212	.233	-.092	-.072	.134	-.361
20 Zero Complement Presented Gain Lives Signed Confidence	.254	.267	.212	.202	.207	.252	.235	.248	-.037	-.061	.048	-.315
21 Both Complements Presented Gain Lives Risky Choices	.189	.189	.223	.184	.075	.156	.199	.162	-.198	-.239	-.096	-.153
22 Both Complements Presented Gain Lives Signed Confidence	.248	.245	.296	.264	.152	.219	.205	.173	-.116	-.182	-.189	-.078

		49	50	51	52	53	54	55	56	57	58	59	60
23	Nonzero Complement Presented Gain Lives Risky Choices	.244	.231	.298	.255	.134	.175	.213	.189	-.040	-.060	-.301	.137
24	Nonzero Complement Presented Gain Lives Signed Confidence	.230	.220	.345	.307	.124	.158	.151	.137	-.074	-.104	-.338	.150
25	Gain Money Risky Choices	.588**	.618**	.516**	.543**	.565**	.632**	.439*	.459*	-.067	-.071	-.082	.109
26	Gain Money Signed Confidence	.572**	.600**	.485*	.507**	.546**	.618**	.444*	.457*	-.064	-.076	-.068	.081
27	Zero Complement Presented Gain Money Risky Choices	.445*	.487*	.283	.313	.492*	.522**	.357	.433*	.074	.108	.432*	-.333
28	Zero Complement Presented Gain Money Signed Confidence	.398*	.435*	.233	.256	.452*	.486*	.323	.387	.000	.010	.458*	-.383
29	Both Complements Presented Gain Money Risky Choices	.471*	.475*	.409*	.429*	.502**	.542**	.306	.287	.061	.009	-.238	.211
30	Both Complements Presented Gain Money Signed Confidence	.484*	.479*	.417*	.416*	.508**	.552**	.327	.299	.077	.025	-.243	.196
31	Nonzero Complement Presented Gain Money Risky Choices	.443*	.470*	.463*	.479*	.340	.415*	.354	.361	-.235	-.220	-.234	.245
32	Nonzero Complement Presented Gain Money Signed Confidence	.466*	.504**	.458*	.488*	.357	.442*	.397*	.409*	-.201	-.186	-.215	.235
33	Loss Risky Choices	.841**	.840**	.649**	.652**	.728**	.776**	.779**	.778**	.711**	.672**	-.334	.374
34	Loss Signed Confidence	.851**	.871**	.679**	.704**	.731**	.793**	.776**	.795**	.688**	.686**	-.346	.412*
35	Zero Complement Presented Loss Risky Choices	.686**	.696**	.845**	.838**	.503**	.567**	.469*	.474*	.482*	.483*	-.662**	.711**
36	Zero Complement Presented Loss Signed Confidence	.690**	.728**	.827**	.859**	.511**	.589**	.486*	.514**	.494*	.525**	-.607**	.708**
37	Both Complements Presented Loss Risky Choices	.805**	.781**	.530**	.514**	.821**	.833**	.698**	.690**	.648**	.574**	-.164	.150
38	Both Complements Presented Loss Signed Confidence	.863**	.853**	.611**	.604**	.848**	.880**	.746**	.745**	.640**	.600**	-.234	.232
39	Nonzero Complement Presented Loss Risky Choices	.715**	.726**	.370	.399*	.581**	.632**	.845**	.846**	.718**	.689**	-.101	.167
40	Nonzero Complement Presented Loss Signed Confidence	.747**	.774**	.427*	.470*	.612**	.669**	.845**	.870**	.712**	.720**	-.128	.212
41	Loss Lives Risky Choices	.483*	.495*	.359	.376	.378	.426*	.497**	.496*	.631**	.580**	-.164	.274
42	Loss Lives Signed Confidence	.526**	.545**	.417*	.439*	.422*	.475*	.510**	.519**	.635**	.618**	-.213	.334

		49	50	51	52	53	54	55	56	57	58	59	60
43	Zero Complement Presented Loss Lives Risky Choices	.438*	.453*	.514**	.526**	.292	.350	.348	.344	.456*	.458*	-.436*	.639**
44	Zero Complement Presented Loss Lives Signed Confidence	.457*	.487*	.508**	.537**	.322	.390*	.369	.380	.475*	.500**	-.389*	.617**
45	Both Complements Presented Loss Lives Risky Choices	.443*	.437*	.281	.274	.383	.421*	.460*	.441*	.540**	.453*	-.046	.047
46	Both Complements Presented Loss Lives Signed Confidence	.550**	.543**	.392*	.383	.482*	.520**	.529**	.516**	.604**	.544**	-.145	.155
47	Nonzero Complement Presented Loss Lives Risky Choices	.390*	.412*	.173	.211	.316	.348	.486*	.504**	.646**	.599**	.018	.077
48	Nonzero Complement Presented Loss Lives Signed Confidence	.439*	.465*	.253	.291	.356	.395*	.498**	.522**	.653**	.641**	-.062	.156
49	Loss Money Risky Choices	1	.984**	.788**	.773**	.910**	.944**	.869**	.869**	.592**	.578**	-.430*	.377
50	Loss Money Signed Confidence	.984**	1	.787**	.810**	.876**	.932**	.864**	.890**	.572**	.587**	-.400*	.393*
51	Zero Complement Presented Loss Money Risky Choices	.788**	.787**	1	.971**	.612**	.664**	.481*	.494*	.376	.376	-.743**	.597**
52	Zero Complement Presented Loss Money Signed Confidence	.773**	.810**	.971**	1	.591**	.661**	.491*	.531**	.387	.417*	-.695**	.625**
53	Both Complements Presented Loss Money Risky Choices	.910**	.876**	.612**	.591**	1	.981**	.708**	.715**	.537**	.502**	-.232	.207
54	Both Complements Presented Loss Money Signed Confidence	.944**	.932**	.664**	.661**	.981**	1	.764**	.776**	.516**	.503**	-.260	.247
55	Nonzero Complement Presented Loss Money Risky Choices	.869**	.864**	.481*	.491*	.708**	.764**	1	.982**	.590**	.589**	-.203	.220
56	Nonzero Complement Presented Loss Money Signed Confidence	.869**	.890**	.494*	.531**	.715**	.776**	.982**	1	.589**	.615**	-.162	.215
57	Framing Index	.592**	.572**	.376	.387	.537**	.516**	.590**	.589**	1	.965**	-.302	.498**
58	Signed Confidence Framing Index	.578**	.587**	.376	.417*	.502**	.503**	.589**	.615**	.965**	1	-.278	.536**
59	Zero Complement Presented Framing Index	-.430*	-.400*	-.743**	-.695**	-.232	-.260	-.203	-.162	-.302	-.278	1	-.794**
60	Zero Complement Presented Signed Confidence Framing Index	.377	.393*	.597**	.625**	.207	.247	.220	.215	.498**	.536**	-.794**	1
61	Both Complements Presented Framing Index	-.533**	-.504**	-.232	-.228	-.608**	-.546**	-.495*	-.521**	-.833**	-.804**	-.007	-.154
62	Both Complements Presented Signed Confidence Framing Index	.565**	.558**	.269	.283	.598**	.563**	.552**	.592**	.806**	.835**	.002	.209

		49	50	51	52	53	54	55	56	57	58	59	60
63	Nonzero Complement Presented Framing Index	-.344	-.347	.006	-.033	-.318	-.311	-.517**	-.526**	-.783**	-.759**	-.149	.020
64	Nonzero Complement Presented Signed Confidence Framing Index	.346	.356	.006	.047	.325	.319	.506**	.529**	.787**	.799**	.143	.009
65	Lives Framing Index	-.323	-.331	-.159	-.208	-.314	-.298	-.338	-.354	-.853**	-.811**	.082	-.448*
66	Lives Signed Confidence Framing Index	-.319	-.340	-.147	-.203	-.297	-.301	-.355	-.379	-.811**	-.838**	.055	-.469*
67	Zero Complement Presented Lives Framing Index	-.430*	-.400*	-.743**	-.695**	-.232	-.260	-.203	-.162	-.302	-.278	1.000**	-.794**
68	Zero Complement Presented Lives Signed Confidence Framing Index	.222	.241	.308	.345	.133	.160	.154	.154	.490*	.534**	-.416*	.864**
69	Both Complements Presented Lives Framing Index	-.284	-.277	-.078	-.109	-.332	-.292	-.292	-.308	-.767**	-.716**	-.045	-.200
70	Both Complements Presented Lives Signed Confidence Framing Index	.304	.300	.091	.115	.335	.305	.327	.349	.745**	.753**	.051	.242
71	Nonzero Complement Presented Lives Framing Index	-.186	-.218	.062	-.007	-.199	-.199	-.301	-.337	-.645**	-.617**	-.246	.031
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	.228	.260	-.036	.029	.235	.244	.346	.380	.669**	.682**	.210	.027
73	Money Framing Index	-.680**	-.634**	-.488*	-.446*	-.592**	-.572**	-.657**	-.638**	-.780**	-.765**	.447*	-.359
74	Money Signed Confidence Framing Index	-.641**	-.633**	-.486*	-.493*	-.535**	-.533**	-.620**	-.637**	-.756**	-.786**	.420*	-.399*
75	Zero Complement Presented Money Framing Index	-.430*	-.400*	-.743**	-.695**	-.232	-.260	-.203	-.162	-.302	-.278	1.000**	-.794**
76	Zero Complement Presented Money Signed Confidence Framing Index	.429*	.436*	.725**	.735**	.223	.264	.223	.215	.354	.374	-.957**	.840**
77	Both Complements Presented Money Framing Index	-.561**	-.521**	-.293	-.254	-.630**	-.573**	-.491*	-.515**	-.526**	-.534**	.037	-.035
78	Both Complements Presented Money Signed Confidence Framing Index	.569**	.561**	.325	.323	.588**	.565**	.525**	.565**	.496**	.534**	-.049	.080
79	Nonzero Complement Presented Money Framing Index	-.429*	-.401*	-.055	-.052	-.367	-.355	-.623**	-.600**	-.739**	-.725**	-.009	.003
80	Nonzero Complement Presented Money Signed Confidence Framing Index	.390*	.376	.047	.055	.345	.325	.558**	.564**	.733**	.742**	.043	-.012

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		61	62	63	64	65	66	67	68	69	70	71	72
1	Age (Years)	-.253	.338	-.069	.105	-.019	-.030	-.260	.088	.001	.022	.091	-.032
2	Gender (0 = female)	-.163	.249	-.117	.148	-.003	-.122	.171	.034	-.128	.242	.063	.029
3	Risky Choices	-.273	.272	-.306	.296	-.238	-.200	-.277	.131	-.164	.118	-.190	.211
4	Signed Confidence	-.259	.269	-.285	.279	-.234	-.207	-.301	.148	-.148	.110	-.193	.216
5	Lives Risky Choices	-.151	.119	-.345	.338	-.160	-.100	-.154	.022	-.092	.001	-.188	.192
6	Lives Signed Confidence	-.163	.136	-.316	.315	-.151	-.094	-.220	.044	-.068	-.016	-.166	.174
7	Money Risky Choices	-.310	.347	-.135	.126	-.235	-.241	-.315	.211	-.186	.212	-.116	.148
8	Money Signed Confidence	-.273	.322	-.146	.136	-.243	-.258	-.282	.212	-.184	.213	-.152	.184
9	Gain Risky Choices	.178	-.164	.114	-.127	.228	.245	-.128	-.137	.258	-.296	.161	-.153
10	Gain Signed Confidence	.155	-.162	.103	-.132	.186	.230	-.172	-.129	.227	-.287	.126	-.136
11	Zero Complement Presented Gain Risky Choices	-.136	.170	-.224	.232	.158	.150	.311	-.422*	.072	-.092	-.143	.133
12	Zero Complement Presented Gain Signed Confidence	-.121	.119	-.206	.194	.135	.164	.274	-.427*	.058	-.110	-.154	.124
13	Both Complements Presented Gain Risky Choices	.313	-.347	.020	-.061	.096	.130	-.207	-.084	.210	-.267	-.015	.019
14	Both Complements Presented Gain Signed Confidence	.243	-.301	-.009	-.032	.045	.098	-.273	-.060	.156	-.237	-.039	.041
15	Nonzero Complement Presented Gain Risky Choices	.217	-.178	.451*	-.445*	.299	.310	-.365	.141	.329	-.341	.527**	-.502**
16	Nonzero Complement Presented Gain Signed Confidence	.228	-.180	.449*	-.464*	.290	.314	-.374	.130	.339	-.351	.491*	-.492*
17	Gain Lives Risky Choices	.184	-.192	.016	-.017	.344	.377	-.106	-.286	.345	-.416*	.206	-.203
18	Gain Lives Signed Confidence	.145	-.178	.026	-.039	.313	.388	-.178	-.276	.327	-.431*	.198	-.221
19	Zero Complement Presented Gain Lives Risky Choices	.042	-.023	-.176	.182	.303	.308	.134	-.483*	.232	-.280	-.010	.006
20	Zero Complement Presented Gain Lives Signed Confidence	.004	-.027	-.176	.168	.264	.317	.048	-.469*	.213	-.300	-.016	-.008
21	Both Complements Presented Gain Lives Risky Choices	.351	-.368	.018	-.050	.330	.370	-.096	-.283	.429*	-.494*	.110	-.125
22	Both Complements Presented Gain Lives Signed Confidence	.275	-.324	.000	-.037	.279	.363	-.189	-.257	.385	-.500**	.096	-.128

		61	62	63	64	65	66	67	68	69	70	71	72
23	Nonzero Complement Presented Gain Lives Risky Choices	.076	-.096	.182	-.155	.289	.332	-.301	-.024	.250	-.326	.440*	-.414*
24	Nonzero Complement Presented Gain Lives Signed Confidence	.100	-.120	.242	-.230	.322	.390*	-.338	-.045	.293	-.377	.469*	-.475*
25	Gain Money Risky Choices	.066	-.032	.178	-.199	-.060	-.076	-.082	.143	-.008	.036	.008	.003
26	Gain Money Signed Confidence	.081	-.050	.141	-.172	-.075	-.094	-.068	.126	-.024	.053	-.035	.044
27	Zero Complement Presented Gain Money Risky Choices	-.323	.365	-.205	.213	-.097	-.119	.432*	-.181	-.170	.195	-.269	.253
28	Zero Complement Presented Gain Money Signed Confidence	-.235	.261	-.159	.148	-.090	-.105	.458*	-.196	-.170	.184	-.271	.246
29	Both Complements Presented Gain Money Risky Choices	.117	-.155	.013	-.045	-.229	-.217	-.238	.193	-.152	.132	-.156	.180
30	Both Complements Presented Gain Money Signed Confidence	.101	-.144	-.015	-.013	-.229	-.231	-.243	.180	-.160	.152	-.168	.205
31	Nonzero Complement Presented Gain Money Risky Choices	.239	-.163	.474*	-.491*	.150	.123	-.234	.227	.231	-.174	.331	-.320
32	Nonzero Complement Presented Gain Money Signed Confidence	.226	-.141	.405*	-.436*	.113	.087	-.215	.220	.208	-.149	.259	-.256
33	Loss Risky Choices	-.545**	.534**	-.551**	.545**	-.526**	-.481*	-.334	.298	-.435*	.391*	-.406*	.432*
34	Loss Signed Confidence	-.520**	.541**	-.523**	.534**	-.504**	-.493*	-.346	.327	-.398*	.384	-.394*	.438*
35	Zero Complement Presented Loss Risky Choices	-.245	.289	-.077	.094	-.319	-.296	-.662**	.550**	-.132	.130	.007	.031
36	Zero Complement Presented Loss Signed Confidence	-.253	.309	-.139	.160	-.358	-.358	-.607**	.560**	-.162	.165	-.087	.125
37	Both Complements Presented Loss Risky Choices	-.621**	.560**	-.544**	.531**	-.502**	-.440*	-.164	.118	-.531**	.464*	-.431*	.446*
38	Both Complements Presented Loss Signed Confidence	-.585**	.565**	-.508**	.507**	-.470*	-.444*	-.234	.175	-.463*	.434*	-.390*	.427*
39	Nonzero Complement Presented Loss Risky Choices	-.540**	.532**	-.766**	.749**	-.542**	-.508**	-.101	.149	-.452*	.409*	-.591**	.607**
40	Nonzero Complement Presented Loss Signed Confidence	-.549**	.571**	-.730**	.740**	-.524**	-.522**	-.128	.177	-.435*	.422*	-.559**	.602**
41	Loss Lives Risky Choices	-.414*	.367	-.589**	.578**	-.568**	-.498**	-.164	.287	-.455*	.366	-.494*	.498**
42	Loss Lives Signed Confidence	-.414*	.398*	-.566**	.576**	-.548**	-.520**	-.213	.331	-.419*	.372	-.468*	.503**

		61	62	63	64	65	66	67	68	69	70	71	72
43	Zero Complement Presented Loss Lives Risky Choices	-.198	.237	-.128	.146	-.378	-.350	-.436*	.624**	-.147	.133	-.041	.079
44	Zero Complement Presented Loss Lives Signed Confidence	-.217	.260	-.201	.223	-.407*	-.411*	-.389*	.621**	-.172	.170	-.137	.180
45	Both Complements Presented Loss Lives Risky Choices	-.430*	.341	-.580**	.552**	-.516**	-.431*	-.046	.065	-.545**	.433*	-.508**	.499**
46	Both Complements Presented Loss Lives Signed Confidence	-.473*	.418*	-.583**	.573**	-.529**	-.479*	-.145	.144	-.522**	.457*	-.490*	.510**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.439*	.376	-.788**	.771**	-.583**	-.513**	.018	.105	-.479*	.376	-.698**	.684**
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.438*	.407*	-.745**	.760**	-.559**	-.530**	-.062	.155	-.449*	.387	-.636**	.667**
49	Loss Money Risky Choices	-.533**	.565**	-.344	.346	-.323	-.319	-.430*	.222	-.284	.304	-.186	.228
50	Loss Money Signed Confidence	-.504**	.558**	-.347	.356	-.331	-.340	-.400*	.241	-.277	.300	-.218	.260
51	Zero Complement Presented Loss Money Risky Choices	-.232	.269	.006	.006	-.159	-.147	-.743**	.308	-.078	.091	.062	-.036
52	Zero Complement Presented Loss Money Signed Confidence	-.228	.283	-.033	.047	-.208	-.203	-.695**	.345	-.109	.115	-.007	.029
53	Both Complements Presented Loss Money Risky Choices	-.608**	.598**	-.318	.325	-.314	-.297	-.232	.133	-.332	.335	-.199	.235
54	Both Complements Presented Loss Money Signed Confidence	-.546**	.563**	-.311	.319	-.298	-.301	-.260	.160	-.292	.305	-.199	.244
55	Nonzero Complement Presented Loss Money Risky Choices	-.495*	.552**	-.517**	.506**	-.338	-.355	-.203	.154	-.292	.327	-.301	.346
56	Nonzero Complement Presented Loss Money Signed Confidence	-.521**	.592**	-.526**	.529**	-.354	-.379	-.162	.154	-.308	.349	-.337	.380
57	Framing Index	-.833**	.806**	-.783**	.787**	-.853**	-.811**	-.302	.490*	-.767**	.745**	-.645**	.669**
58	Signed Confidence Framing Index	-.804**	.835**	-.759**	.799**	-.811**	-.838**	-.278	.534**	-.716**	.753**	-.617**	.682**
59	Zero Complement Presented Framing Index	-.007	.002	-.149	.143	.082	.055	1.000**	-.416*	-.045	.051	-.246	.210
60	Zero Complement Presented Signed Confidence Framing Index	-.154	.209	.020	.009	-.448*	-.469*	-.794**	.864**	-.200	.242	.031	.027
61	Both Complements Presented Framing Index	1	-.963**	.638**	-.661**	.661**	.623**	-.007	-.213	.801**	-.778**	.476*	-.489*
62	Both Complements Presented Signed Confidence Framing Index	-.963**	1	-.605**	.648**	-.616**	-.640**	.002	.274	-.724**	.774**	-.431*	.475*

		61	62	63	64	65	66	67	68	69	70	71	72
63	Nonzero Complement Presented Framing Index	.638**	-.605**	1	-.980**	.694**	.670**	-.149	-.043	.632**	-.601**	.890**	-.888**
64	Nonzero Complement Presented Signed Confidence Framing Index	-.661**	.648**	-.980**	1	-.681**	-.696**	.143	.071	-.634**	.630**	-.853**	.893**
65	Lives Framing Index	.661**	-.616**	.694**	-.681**	1	.953**	.082	-.619**	.872**	-.840**	.775**	-.778**
66	Lives Signed Confidence Framing Index	.623**	-.640**	.670**	-.696**	.953**	1	.055	-.668**	.821**	-.877**	.741**	-.804**
67	Zero Complement Presented Lives Framing Index	-.007	.002	-.149	.143	.082	.055	1	-.416*	-.045	.051	-.246	.210
68	Zero Complement Presented Lives Signed Confidence Framing Index	-.213	.274	-.043	.071	-.619**	-.668**	-.416*	1	-.347	.421*	-.118	.181
69	Both Complements Presented Lives Framing Index	.801**	-.724**	.632**	-.634**	.872**	.821**	-.045	-.347	1	-.945**	.646**	-.651**
70	Both Complements Presented Lives Signed Confidence Framing Index	-.778**	.774**	-.601**	.630**	-.840**	-.877**	.051	.421*	-.945**	1	-.607**	.661**
71	Nonzero Complement Presented Lives Framing Index	.476*	-.431*	.890**	-.853**	.775**	.741**	-.246	-.118	.646**	-.607**	1	-.967**
72	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.489*	.475*	-.888**	.893**	-.778**	-.804**	.210	.181	-.651**	.661**	-.967**	1
73	Money Framing Index	.707**	-.714**	.578**	-.600**	.337	.319	.447*	-.141	.337	-.336	.233	-.274
74	Money Signed Confidence Framing Index	.689**	-.725**	.558**	-.598**	.329	.322	.420*	-.170	.313	-.313	.231	-.273
75	Zero Complement Presented Money Framing Index	-.007	.002	-.149	.143	.082	.055	1.000**	-.416*	-.045	.051	-.246	.210
76	Zero Complement Presented Money Signed Confidence Framing Index	-.044	.076	.082	-.061	-.128	-.112	-.957**	.453*	.020	-.024	.183	-.146
77	Both Complements Presented Money Framing Index	.762**	-.785**	.354	-.392*	.134	.126	.037	.029	.222	-.244	.075	-.092
78	Both Complements Presented Money Signed Confidence Framing Index	-.706**	.768**	-.331	.367	-.105	-.105	-.049	.000	-.166	.188	-.054	.068
79	Nonzero Complement Presented Money Framing Index	.655**	-.644**	.872**	-.876**	.436*	.430*	-.009	.048	.462*	-.446*	.554**	-.586**
80	Nonzero Complement Presented Money Signed Confidence Framing Index	-.691**	.681**	-.858**	.889**	-.433*	-.433*	.043	-.055	-.476*	.461*	-.549**	.587**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		73	74	75	76	77	78	79	80
1	Age (Years)	-.426*	-.475*	-.260	.317	-.414*	.502**	-.224	.222
2	Gender (0 = female)	-.140	-.115	.171	-.161	-.127	.142	-.282	.236
3	Risky Choices	-.438*	-.412*	-.277	.259	-.266	.302	-.355	.318
4	Signed Confidence	-.425*	-.411*	-.301	.295	-.262	.306	-.315	.282
5	Lives Risky Choices	-.371	-.359	-.154	.144	-.147	.184	-.429*	.412*
6	Lives Signed Confidence	-.404*	-.398*	-.220	.217	-.192	.226	-.400*	.389*
7	Money Risky Choices	-.343	-.310	-.315	.294	-.303	.323	-.123	.077
8	Money Signed Confidence	-.292	-.275	-.282	.275	-.246	.283	-.103	.058
9	Gain Risky Choices	-.031	-.016	-.128	.079	.011	.045	.036	-.072
10	Gain Signed Confidence	-.042	-.016	-.172	.113	.007	.039	.054	-.097
11	Zero Complement Presented Gain Risky Choices	-.143	-.180	.311	-.282	-.299	.357	-.256	.283
12	Zero Complement Presented Gain Signed Confidence	-.116	-.122	.274	-.282	-.259	.296	-.211	.223
13	Both Complements Presented Gain Risky Choices	.069	.132	-.207	.120	.283	-.269	.052	-.129
14	Both Complements Presented Gain Signed Confidence	.000	.070	-.273	.185	.226	-.227	.026	-.100
15	Nonzero Complement Presented Gain Risky Choices	-.018	-.017	-.365	.313	-.004	.070	.259	-.289
16	Nonzero Complement Presented Gain Signed Confidence	.002	-.006	-.374	.332	.005	.077	.294	-.333
17	Gain Lives Risky Choices	-.185	-.179	-.106	.073	-.074	.123	-.191	.177
18	Gain Lives Signed Confidence	-.223	-.216	-.178	.147	-.118	.160	-.166	.155
19	Zero Complement Presented Gain Lives Risky Choices	-.197	-.223	.134	-.120	-.183	.248	-.311	.320
20	Zero Complement Presented Gain Lives Signed Confidence	-.249	-.253	.048	-.052	-.223	.261	-.304	.310
21	Both Complements Presented Gain Lives Risky Choices	-.040	-.004	-.096	.033	.107	-.070	-.085	.038
22	Both Complements Presented Gain Lives Signed Confidence	-.125	-.095	-.189	.138	.032	.004	-.104	.063

		73	74	75	76	77	78	79	80
23	Nonzero Complement Presented Gain Lives Risky Choices	-.275	-.273	-.301	.269	-.147	.182	-.140	.143
24	Nonzero Complement Presented Gain Lives Signed Confidence	-.252	-.260	-.338	.314	-.153	.196	-.062	.071
25	Gain Money Risky Choices	.193	.209	-.082	.040	.117	-.086	.317	-.362
26	Gain Money Signed Confidence	.205	.239	-.068	.007	.157	-.131	.295	-.354
27	Zero Complement Presented Gain Money Risky Choices	-.017	-.053	.432*	-.394*	-.342	.369	-.087	.126
28	Zero Complement Presented Gain Money Signed Confidence	.107	.101	.458*	-.467*	-.198	.219	-.001	.016
29	Both Complements Presented Gain Money Risky Choices	.165	.229	-.238	.165	.355	-.374	.190	-.265
30	Both Complements Presented Gain Money Signed Confidence	.134	.218	-.243	.154	.338	-.376	.154	-.231
31	Nonzero Complement Presented Gain Money Risky Choices	.244	.242	-.234	.190	.139	-.077	.511**	-.557**
32	Nonzero Complement Presented Gain Money Signed Confidence	.227	.224	-.215	.179	.143	-.068	.462*	-.523**
33	Loss Risky Choices	-.651**	-.621**	-.334	.341	-.416*	.432*	-.571**	.540**
34	Loss Signed Confidence	-.635**	-.632**	-.346	.378	-.416*	.450*	-.533**	.514**
35	Zero Complement Presented Loss Risky Choices	-.486*	-.503**	-.662**	.667**	-.256	.315	-.147	.138
36	Zero Complement Presented Loss Signed Confidence	-.461*	-.507**	-.607**	.649**	-.237	.313	-.161	.161
37	Both Complements Presented Loss Risky Choices	-.565**	-.497**	-.164	.138	-.436*	.399*	-.532**	.501**
38	Both Complements Presented Loss Signed Confidence	-.590**	-.538**	-.234	.222	-.453*	.438*	-.510**	.476*
39	Nonzero Complement Presented Loss Risky Choices	-.644**	-.621**	-.101	.136	-.389*	.411*	-.765**	.728**
40	Nonzero Complement Presented Loss Signed Confidence	-.655**	-.658**	-.128	.185	-.424*	.459*	-.734**	.718**
41	Loss Lives Risky Choices	-.455*	-.442*	-.164	.175	-.181	.199	-.547**	.531**
42	Loss Lives Signed Confidence	-.487*	-.483*	-.213	.235	-.220	.241	-.532**	.524**

		73	74	75	76	77	78	79	80
43	Zero Complement Presented Loss Lives Risky Choices	-.370	-.399*	-.436*	.459*	-.164	.232	-.190	.181
44	Zero Complement Presented Loss Lives Signed Confidence	-.367	-.402*	-.389*	.424*	-.167	.232	-.220	.218
45	Both Complements Presented Loss Lives Risky Choices	-.355	-.299	-.046	.012	-.111	.091	-.515**	.484*
46	Both Complements Presented Loss Lives Signed Confidence	-.454*	-.401*	-.145	.119	-.204	.186	-.540**	.512**
47	Nonzero Complement Presented Loss Lives Risky Choices	-.464*	-.459*	.018	.022	-.197	.202	-.692**	.691**
48	Nonzero Complement Presented Loss Lives Signed Confidence	-.506**	-.512**	-.062	.110	-.228	.239	-.679**	.688**
49	Loss Money Risky Choices	-.680**	-.641**	-.430*	.429*	-.561**	.569**	-.429*	.390*
50	Loss Money Signed Confidence	-.634**	-.633**	-.400*	.436*	-.521**	.561**	-.401*	.376
51	Zero Complement Presented Loss Money Risky Choices	-.488*	-.486*	-.743**	.725**	-.293	.325	-.055	.047
52	Zero Complement Presented Loss Money Signed Confidence	-.446*	-.493*	-.695**	.735**	-.254	.323	-.052	.055
53	Both Complements Presented Loss Money Risky Choices	-.592**	-.535**	-.232	.223	-.630**	.588**	-.367	.345
54	Both Complements Presented Loss Money Signed Confidence	-.572**	-.533**	-.260	.264	-.573**	.565**	-.355	.325
55	Nonzero Complement Presented Loss Money Risky Choices	-.657**	-.620**	-.203	.223	-.491*	.525**	-.623**	.558**
56	Nonzero Complement Presented Loss Money Signed Confidence	-.638**	-.637**	-.162	.215	-.515**	.565**	-.600**	.564**
57	Framing Index	-.780**	-.756**	-.302	.354	-.526**	.496**	-.739**	.733**
58	Signed Confidence Framing Index	-.765**	-.786**	-.278	.374	-.534**	.534**	-.725**	.742**
59	Zero Complement Presented Framing Index	.447*	.420*	1.000**	-.957**	.037	-.049	-.009	.043
60	Zero Complement Presented Signed Confidence Framing Index	-.359	-.399*	-.794**	.840**	-.035	.080	.003	-.012
61	Both Complements Presented Framing Index	.707**	.689**	-.007	-.044	.762**	-.706**	.655**	-.691**
62	Both Complements Presented Signed Confidence Framing Index	-.714**	-.725**	.002	.076	-.785**	.768**	-.644**	.681**

	73	74	75	76	77	78	79	80
63 Nonzero Complement Presented Framing Index	.578**	.558**	-.149	.082	.354	-.331	.872**	-.858**
64 Nonzero Complement Presented Signed Confidence Framing Index	-.600**	-.598**	.143	-.061	-.392*	.367	-.876**	.889**
65 Lives Framing Index	.337	.329	.082	-.128	.134	-.105	.436*	-.433*
66 Lives Signed Confidence Framing Index	.319	.322	.055	-.112	.126	-.105	.430*	-.433*
67 Zero Complement Presented Lives Framing Index	.447*	.420*	1.000**	-.957**	.037	-.049	-.009	.043
68 Zero Complement Presented Lives Signed Confidence Framing Index	-.141	-.170	-.416*	.453*	.029	.000	.048	-.055
69 Both Complements Presented Lives Framing Index	.337	.313	-.045	.020	.222	-.166	.462*	-.476*
70 Both Complements Presented Lives Signed Confidence Framing Index	-.336	-.313	.051	-.024	-.244	.188	-.446*	.461*
71 Nonzero Complement Presented Lives Framing Index	.233	.231	-.246	.183	.075	-.054	.554**	-.549**
72 Nonzero Complement Presented Lives Signed Confidence Framing Index	-.274	-.273	.210	-.146	-.092	.068	-.586**	.587**
73 Money Framing Index	1	.967**	.447*	-.484*	.787**	-.768**	.808**	-.801**
74 Money Signed Confidence Framing Index	.967**	1	.420*	-.522**	.784**	-.807**	.772**	-.798**
75 Zero Complement Presented Money Framing Index	.447*	.420*	1	-.957**	.037	-.049	-.009	.043
76 Zero Complement Presented Money Signed Confidence Framing Index	-.484*	-.522**	-.957**	1	-.093	.141	-.047	.039
77 Both Complements Presented Money Framing Index	.787**	.784**	.037	-.093	1	-.971**	.567**	-.611**
78 Both Complements Presented Money Signed Confidence Framing Index	-.768**	-.807**	-.049	.141	-.971**	1	-.547**	.590**
79 Nonzero Complement Presented Money Framing Index	.808**	.772**	-.009	-.047	.567**	-.547**	1	-.979**
80 Nonzero Complement Presented Money Signed Confidence Framing Index	-.801**	-.798**	.043	.039	-.611**	.590**	-.979**	1

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

## Appendix L

Correlations among measures of emotional go/no-go performance

N = 99

(Full behavioral sample)

		1	2	3	4	5	6	7	8	9	10	11	12
1	Criterion	1											
2	Criterion Calm Distractor	.717**	1										
3	Criterion CalmFear	.729**	.343**	1									
4	Criterion CalmHappy	.726**	.345**	.398**	1								
5	Criterion Calm Target	.867**	.453**	.817**	.789**	1							
6	Criterion Emotional Distractor	.948**	.547**	.733**	.757**	.922**	1						
7	Criterion Emotional Target	.828**	.857**	.363**	.458**	.528**	.739**	1					
8	Criterion FearCalm	.603**	.822**	.314**	.294**	.384**	.409**	.669**	1				
9	Criterion Fear Distractor	.816**	.533**	.839**	.460**	.782**	.837**	.597**	.357**	1			
10	Criterion FearHappy	.629**	.319**	.337**	.404**	.453**	.641**	.682**	.283**	.327**	1		
11	Criterion Fear Target	.714**	.729**	.342**	.391**	.479**	.633**	.851**	.773**	.392**	.771**	1	
12	Criterion HappyCalm	.519**	.636**	.225*	.277**	.318**	.416**	.597**	.122	.446**	.215*	.229*	1
13	Criterion Happy Distractor	.819**	.443**	.431**	.862**	.768**	.870**	.682**	.354**	.519**	.738**	.669**	.330**
14	Criterion HappyFear	.581**	.557**	.210*	.315**	.348**	.572**	.719**	.287**	.629**	.258*	.356**	.532**
15	Criterion Happy Target	.643**	.706**	.284**	.336**	.400**	.586**	.748**	.276**	.669**	.229*	.339**	.825**
16	Criterion NonEmotional Distractor	.717**	1.000**	.343**	.345**	.453**	.547**	.857**	.822**	.533**	.319**	.729**	.636**
17	Criterion NonEmotional Target	.867**	.453**	.817**	.789**	1.000**	.922**	.528**	.384**	.782**	.453**	.479**	.318**
18	DPrime	.005	.204*	-.070	.023	-.025	-.022	.158	.143	-.046	.166	.131	.262**
19	DPrime Calm Distractor	.184	.223*	.058	.164	.125	.090	.118	.061	.121	.054	-.007	.505**
20	DPrime CalmFear	.043	.148	-.023	.108	.004	.010	.170	.150	-.089	.185	.203*	.102
21	DPrime CalmHappy	-.063	.070	-.018	.046	.035	-.039	.008	.086	-.082	.030	.029	.040
22	DPrime Calm Target	-.068	.099	-.082	.027	-.041	-.077	.097	.115	-.156	.118	.109	.058
23	DPrime Emotional Distractor	.031	.191	-.063	.029	-.017	.038	.243*	.128	-.021	.245*	.215*	.150
24	DPrime Emotional Target	.341**	.307**	.197	.241*	.270**	.306**	.271**	.116	.342**	.208*	.141	.466**
25	DPrime FearCalm	.134	.183	.095	.074	.095	.024	.044	.254*	.089	-.016	.047	.191
26	DPrime Fear Distractor	.237*	.349**	-.016	.244*	.120	.234*	.418**	.201*	.154	.262**	.300**	.287**
27	DPrime FearHappy	.284**	.205*	.221*	.108	.220*	.295**	.274**	.172	.198	.427**	.357**	.116
28	DPrime Fear Target	.254*	.224*	.185	.126	.198	.198	.169	.183	.202*	.215*	.177	.270**

		1	2	3	4	5	6	7	8	9	10	11	12
29	DPrime HappyCalm	.239*	.307**	.082	.200*	.160	.180	.244*	.015	.146	.160	.071	.653**
30	DPrime Happy Distractor	.067	.153	.065	-.019	.082	.082	.171	.120	.023	.252*	.209*	.113
31	DPrime HappyFear	.361**	.316**	.213*	.296**	.326**	.432**	.404**	.203*	.411**	.288**	.279**	.229*
32	DPrime Happy Target	.396**	.404**	.180	.320**	.309**	.382**	.387**	.143	.387**	.222*	.205*	.528**
33	DPrime NonEmotional Distractor	.184	.223*	.058	.164	.125	.090	.118	.061	.121	.054	-.007	.505**
34	DPrime NonEmotional Target	-.068	.099	-.082	.027	-.041	-.077	.097	.115	-.156	.118	.109	.058
35	zCorrectRejectionRate Calm Distractor	.608**	.830**	.270**	.336**	.389**	.435**	.669**	.603**	.444**	.252*	.507**	.736**
36	zCorrectRejectionRate CalmFear	.617**	.368**	.796**	.388**	.664**	.600**	.397**	.345**	.626**	.385**	.400**	.245*
37	zCorrectRejectionRate CalmHappy	.444**	.282**	.253*	.705**	.556**	.482**	.314**	.257*	.261**	.291**	.284**	.215*
38	zCorrectRejectionRate Calm Target	.616**	.413**	.568**	.621**	.736**	.652**	.469**	.372**	.533**	.426**	.440**	.282**
39	zCorrectRejectionRate Emotional Distractor	.724**	.529**	.503**	.582**	.674**	.767**	.705**	.387**	.629**	.636**	.608**	.406**
40	zCorrectRejectionRate Emotional Target	.779**	.783**	.368**	.458**	.524**	.697**	.869**	.544**	.610**	.604**	.693**	.675**
41	zCorrectRejectionRate FearCalm	.497**	.675**	.272**	.247*	.321**	.298**	.490**	.841**	.298**	.188	.564**	.192
42	zCorrectRejectionRate Fear Distractor	.753**	.595**	.636**	.483**	.664**	.767**	.681**	.385**	.849**	.396**	.461**	.496**
43	zCorrectRejectionRate FearHappy	.546**	.312**	.332**	.308**	.401**	.560**	.572**	.271**	.313**	.853**	.674**	.197
44	zCorrectRejectionRate Fear Target	.672**	.668**	.358**	.362**	.466**	.581**	.728**	.681**	.403**	.697**	.845**	.318**
45	zCorrectRejectionRate HappyCalm	.420**	.523**	.166	.263**	.265**	.331**	.467**	.074	.330**	.203*	.167	.913**
46	zCorrectRejectionRate Happy Distractor	.624**	.415**	.348**	.597**	.597**	.670**	.596**	.330**	.389**	.689**	.613**	.309**
47	zCorrectRejectionRate HappyFear	.538**	.500**	.235*	.347**	.383**	.572**	.643**	.272**	.594**	.304**	.362**	.437**
48	zCorrectRejectionRate Happy Target	.603**	.646**	.266**	.376**	.409**	.561**	.662**	.241*	.619**	.257*	.316**	.785**
49	zCorrectRejectionRate NonEmotional Distractor	.608**	.830**	.270**	.336**	.389**	.435**	.669**	.603**	.444**	.252*	.507**	.736**
50	zCorrectRejectionRate NonEmotional Target	.616**	.413**	.568**	.621**	.736**	.652**	.469**	.372**	.533**	.426**	.440**	.282**
51	zFalseAlarmRate Calm Distractor	-.608**	-.830**	-.270**	-.336**	-.389**	-.435**	-.669**	-.603**	-.444**	-.252*	-.507**	-.736**
52	zFalseAlarmRate CalmFear	-.603**	-.353**	-.788**	-.386**	-.656**	-.584**	-.374**	-.337**	-.610**	-.372**	-.381**	-.236*
53	zFalseAlarmRate CalmHappy	-.434**	-.278**	-.249*	-.693**	-.548**	-.475**	-.309**	-.249*	-.264**	-.278**	-.272**	-.220*
54	zFalseAlarmRate Calm Target	-.616**	-.413**	-.568**	-.621**	-.736**	-.652**	-.469**	-.372**	-.533**	-.426**	-.440**	-.282**
55	zFalseAlarmRate Emotional Distractor	-.724**	-.529**	-.503**	-.582**	-.674**	-.767**	-.705**	-.387**	-.629**	-.636**	-.608**	-.406**
56	zFalseAlarmRate Emotional Target	-.779**	-.783**	-.368**	-.458**	-.524**	-.697**	-.869**	-.544**	-.610**	-.604**	-.693**	-.675**

		1	2	3	4	5	6	7	8	9	10	11	12
57	zFalseAlarmRate FearCalm	-.509**	-.677**	-.297**	-.268**	-.342**	-.316**	-.494**	-.832**	-.323**	-.176	-.560**	-.207*
58	zFalseAlarmRate Fear Distractor	-.753**	-.595**	-.636**	-.483**	-.664**	-.767**	-.681**	-.385**	-.849**	-.396**	-.461**	-.496**
59	zFalseAlarmRate FearHappy	-.548**	-.312**	-.348**	-.323**	-.428**	-.579**	-.568**	-.262**	-.346**	-.821**	-.653**	-.218*
60	zFalseAlarmRate Fear Target	-.672**	-.668**	-.358**	-.362**	-.466**	-.581**	-.728**	-.681**	-.403**	-.697**	-.845**	-.318**
61	zFalseAlarmRate HappyCalm	-.442**	-.536**	-.210*	-.270**	-.286**	-.352**	-.481**	-.094	-.360**	-.204*	-.187	-.895**
62	zFalseAlarmRate Happy Distractor	-.624**	-.415**	-.348**	-.597**	-.597**	-.670**	-.596**	-.330**	-.389**	-.689**	-.613**	-.309**
63	zFalseAlarmRate HappyFear	-.534**	-.506**	-.237*	-.328**	-.373**	-.562**	-.641**	-.282**	-.588**	-.318**	-.371**	-.440**
64	zFalseAlarmRate Happy Target	-.603**	-.646**	-.266**	-.376**	-.409**	-.561**	-.662**	-.241*	-.619**	-.257*	-.316**	-.785**
65	zFalseAlarmRate NonEmotional Distractor	-.608**	-.830**	-.270**	-.336**	-.389**	-.435**	-.669**	-.603**	-.444**	-.252*	-.507**	-.736**
66	zFalseAlarmRate NonEmotional Target	-.616**	-.413**	-.568**	-.621**	-.736**	-.652**	-.469**	-.372**	-.533**	-.426**	-.440**	-.282**
67	zHitRate Calm Distractor	-.497**	-.717**	-.255*	-.185	-.307**	-.415**	-.667**	-.667**	-.382**	-.237*	-.644**	-.197
68	zHitRate CalmFear	-.558**	-.186	-.806**	-.253*	-.652**	-.582**	-.190	-.162	-.725**	-.160	-.153	-.121
69	zHitRate CalmHappy	-.577**	-.195	-.311**	-.670**	-.560**	-.580**	-.324**	-.143	-.409**	-.267**	-.259*	-.169
70	zHitRate Calm Target	-.680**	-.268**	-.650**	-.561**	-.760**	-.726**	-.324**	-.206*	-.707**	-.254*	-.280**	-.196
71	zHitRate Emotional Distractor	-.710**	-.295**	-.599**	-.565**	-.722**	-.746**	-.408**	-.225*	-.690**	-.324**	-.345**	-.221*
72	zHitRate Emotional Target	-.557**	-.607**	-.196	-.273**	-.320**	-.496**	-.766**	-.531**	-.340**	-.480**	-.712**	-.255*
73	zHitRate FearCalm	-.443**	-.604**	-.208*	-.211*	-.271**	-.345**	-.567**	-.718**	-.252*	-.261*	-.659**	.040
74	zHitRate Fear Distractor	-.577**	-.257*	-.737**	-.258*	-.619**	-.597**	-.271**	-.185	-.792**	-.121	-.162	-.218*
75	zHitRate FearHappy	-.344**	-.119	-.122	-.289**	-.234*	-.346**	-.405**	-.115	-.131	-.570**	-.415**	-.101
76	zHitRate Fear Target	-.469**	-.502**	-.182	-.266**	-.297**	-.433**	-.646**	-.564**	-.218*	-.541**	-.773**	-.029
77	zHitRate HappyCalm	-.356**	-.422**	-.189	-.106	-.202*	-.300**	-.449**	-.140	-.377**	-.073	-.199	-.461**
78	zHitRate Happy Distractor	-.567**	-.223*	-.275**	-.659**	-.518**	-.594**	-.390**	-.179	-.387**	-.371**	-.354**	-.168
79	zHitRate HappyFear	-.264**	-.280**	.009	-.038	-.044	-.179	-.363**	-.090	-.283**	.041	-.099	-.345**
80	zHitRate Happy Target	-.316**	-.376**	-.125	-.056	-.136	-.267**	-.437**	-.154	-.356**	-.024	-.170	-.386**
81	zHitRate NonEmotional Distractor	-.497**	-.717**	-.255*	-.185	-.307**	-.415**	-.667**	-.667**	-.382**	-.237*	-.644**	-.197
82	zHitRate NonEmotional Target	-.680**	-.268**	-.650**	-.561**	-.760**	-.726**	-.324**	-.206*	-.707**	-.254*	-.280**	-.196
83	zMissRate Calm Distractor	.497**	.717**	.255*	.185	.307**	.415**	.667**	.667**	.382**	.237*	.644**	.197
84	zMissRate CalmFear	.558**	.186	.806**	.253*	.652**	.582**	.190	.162	.725**	.160	.153	.121
85	zMissRate CalmHappy	.577**	.195	.311**	.670**	.560**	.580**	.324**	.143	.409**	.267**	.259*	.169

		1	2	3	4	5	6	7	8	9	10	11	12
86	zMissRate Calm Target	.680**	.268**	.650**	.561**	.760**	.726**	.324**	.206*	.707**	.254*	.280**	.196
87	zMissRate Emotional Distractor	.710**	.295**	.599**	.565**	.722**	.746**	.408**	.225*	.690**	.324**	.345**	.221*
88	zMissRate Emotional Target	.557**	.607**	.196	.273**	.320**	.496**	.766**	.531**	.340**	.480**	.712**	.255*
89	zMissRate FearCalm	.443**	.604**	.208*	.211*	.271**	.345**	.567**	.718**	.252*	.261*	.659**	-.040
90	zMissRate Fear Distractor	.577**	.257*	.737**	.258*	.619**	.597**	.271**	.185	.792**	.121	.162	.218*
91	zMissRate FearHappy	.344**	.119	.122	.289**	.234*	.346**	.405**	.115	.131	.570**	.415**	.101
92	zMissRate Fear Target	.469**	.502**	.182	.266**	.297**	.433**	.646**	.564**	.218*	.541**	.773**	.029
93	zMissRate HappyCalm	.356**	.422**	.189	.106	.202*	.300**	.449**	.140	.377**	.073	.199	.461**
94	zMissRate Happy Distractor	.567**	.223*	.275**	.659**	.518**	.594**	.390**	.179	.387**	.371**	.354**	.168
95	zMissRate HappyFear	.264**	.280**	-.009	.038	.044	.179	.363**	.090	.283**	-.041	.099	.345**
96	zMissRate Happy Target	.316**	.376**	.125	.056	.136	.267**	.437**	.154	.356**	.024	.170	.386**
97	zMissRate NonEmotional Distractor	.497**	.717**	.255*	.185	.307**	.415**	.667**	.667**	.382**	.237*	.644**	.197
98	zMissRate NonEmotional Target	.680**	.268**	.650**	.561**	.760**	.726**	.324**	.206*	.707**	.254*	.280**	.196
99	zRT AllRuns Hits	.485**	.516**	.394**	.268**	.423**	.483**	.522**	.459**	.447**	.332**	.481**	.263**
100	zRT Calm Distractor Hits	.409**	.512**	.306**	.199*	.325**	.393**	.497**	.458**	.369**	.266**	.450**	.252*
101	zRT Calm Target Hits	.579**	.494**	.493**	.329**	.527**	.557**	.507**	.460**	.509**	.379**	.481**	.277**
102	zRT Emotional Distractor Hits	.542**	.509**	.435**	.300**	.468**	.522**	.525**	.467**	.484**	.357**	.487**	.266**
103	zRT Emotional Target Hits	.431**	.506**	.329**	.220*	.357**	.427**	.512**	.447**	.397**	.295**	.463**	.249*
104	zRT Fear Distractor Hits	.532**	.515**	.430**	.263**	.453**	.505**	.523**	.471**	.464**	.363**	.503**	.258*
105	zRT Fear Target Hits	.480**	.538**	.323**	.261**	.382**	.471**	.584**	.455**	.427**	.334**	.494**	.264**
106	zRT Happy Distractor Hits	.535**	.488**	.421**	.330**	.468**	.520**	.507**	.447**	.479**	.336**	.455**	.265**
107	zRT Happy Target Hits	.417**	.489**	.322**	.179	.326**	.388**	.484**	.433**	.376**	.251*	.429**	.249*
108	zRT Hits Calm	.494**	.519**	.409**	.276**	.435**	.488**	.517**	.466**	.449**	.334**	.481**	.270**
109	ZRT Hits CalmFear	.579**	.498**	.478**	.269**	.486**	.531**	.544**	.461**	.461**	.416**	.523**	.246*
110	ZRT Hits CalmHappy	.555**	.467**	.460**	.388**	.515**	.531**	.462**	.431**	.508**	.284**	.401**	.268**
111	zRT Hits Fear	.484**	.520**	.379**	.260**	.418**	.485**	.539**	.464**	.438**	.358**	.506**	.252*
112	ZRT Hits FearCalm	.466**	.559**	.281**	.263**	.351**	.444**	.582**	.486**	.400**	.305**	.491**	.262**
113	ZRT Hits FearHappy	.493**	.481**	.344**	.251*	.389**	.470**	.553**	.421**	.428**	.342**	.468**	.238*
114	zRT Hits Happy	.468**	.515**	.367**	.265**	.400**	.464**	.517**	.452**	.437**	.304**	.463**	.266**

	1	2	3	4	5	6	7	8	9	10	11	12
115 ZRT Hits HappyCalm	.378**	.461**	.323**	.136	.290**	.340**	.434**	.414**	.363**	.187	.376**	.252*
116 ZRT Hits HappyFear	.477**	.509**	.357**	.236*	.380**	.449**	.502**	.443**	.474**	.274**	.445**	.264**
117 zRT Hits	.485**	.516**	.394**	.268**	.423**	.483**	.522**	.459**	.447**	.332**	.481**	.263**
118 zRT Nonemotional Distractor Hits	.409**	.512**	.306**	.199*	.325**	.393**	.497**	.458**	.369**	.266**	.450**	.252*
119 zRT Nonemotional Target Hits	.579**	.494**	.493**	.329**	.527**	.557**	.507**	.460**	.509**	.379**	.481**	.277**
120 Gender	-.012	.044	-.033	-.031	-.037	-.034	.009	.078	-.052	.022	.039	.028
121 AgeYears	.232*	.213*	.281**	.115	.202*	.188	.238*	.247*	.187	.201*	.251*	.068

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		13	14	15	16	17	18	19	20	21	22	23	24
1	Criterion	.819**	.581**	.643**	.717**	.867**	.005	.184	.043	-.063	-.068	.031	.341**
2	Criterion Calm Distractor	.443**	.557**	.706**	1.000**	.453**	.204*	.223*	.148	.070	.099	.191	.307**
3	Criterion CalmFear	.431**	.210*	.284**	.343**	.817**	-.070	.058	-.023	-.018	-.082	-.063	.197
4	Criterion CalmHappy	.862**	.315**	.336**	.345**	.789**	.023	.164	.108	.046	.027	.029	.241*
5	Criterion Calm Target	.768**	.348**	.400**	.453**	1.000**	-.025	.125	.004	.035	-.041	-.017	.270**
6	Criterion Emotional Distractor	.870**	.572**	.586**	.547**	.922**	-.022	.090	.010	-.039	-.077	.038	.306**
7	Criterion Emotional Target	.682**	.719**	.748**	.857**	.528**	.158	.118	.170	.008	.097	.243*	.271**
8	Criterion FearCalm	.354**	.287**	.276**	.822**	.384**	.143	.061	.150	.086	.115	.128	.116
9	Criterion Fear Distractor	.519**	.629**	.669**	.533**	.782**	-.046	.121	-.089	-.082	-.156	-.021	.342**
10	Criterion FearHappy	.738**	.258*	.229*	.319**	.453**	.166	.054	.185	.030	.118	.245*	.208*
11	Criterion Fear Target	.669**	.356**	.339**	.729**	.479**	.131	-.007	.203*	.029	.109	.215*	.141
12	Criterion HappyCalm	.330**	.532**	.825**	.636**	.318**	.262**	.505**	.102	.040	.058	.150	.466**
13	Criterion Happy Distractor	1	.400**	.416**	.443**	.768**	.042	.084	.163	-.028	.005	.098	.242*
14	Criterion HappyFear	.400**	1	.862**	.557**	.348**	.203*	.067	.057	.049	.111	.307**	.313**
15	Criterion Happy Target	.416**	.862**	1	.706**	.400**	.149	.297**	.057	-.044	-.033	.130	.401**
16	Criterion NonEmotional Distractor	.443**	.557**	.706**	1	.453**	.204*	.223*	.148	.070	.099	.191	.307**
17	Criterion NonEmotional Target	.768**	.348**	.400**	.453**	1	-.025	.125	.004	.035	-.041	-.017	.270**
18	DPrime	.042	.203*	.149	.204*	-.025	1	.363**	.496**	.666**	.800**	.889**	.594**
19	DPrime Calm Distractor	.084	.067	.297**	.223*	.125	.363**	1	.181	.007	.043	-.015	.672**
20	DPrime CalmFear	.163	.057	.057	.148	.004	.496**	.181	1	.076	.487**	.411**	.195
21	DPrime CalmHappy	-.028	.049	-.044	.070	.035	.666**	.007	.076	1	.834**	.708**	.055
22	DPrime Calm Target	.005	.111	-.033	.099	-.041	.800**	.043	.487**	.834**	1	.865**	.098
23	DPrime Emotional Distractor	.098	.307**	.130	.191	-.017	.889**	-.015	.411**	.708**	.865**	1	.371**
24	DPrime Emotional Target	.242*	.313**	.401**	.307**	.270**	.594**	.672**	.195	.055	.098	.371**	1
25	DPrime FearCalm	-.014	.000	.110	.183	.095	.290**	.753**	.187	-.042	.025	-.052	.505**
26	DPrime Fear Distractor	.320**	.474**	.403**	.349**	.120	.627**	.103	.717**	.136	.499**	.692**	.490**
27	DPrime FearHappy	.291**	.127	.102	.205*	.220*	.477**	-.024	.211*	.136	.190	.512**	.555**
28	DPrime Fear Target	.156	.108	.173	.224*	.198	.520**	.560**	.228*	.049	.115	.304**	.812**

		13	14	15	16	17	18	19	20	21	22	23	24
29	DPrime HappyCalm	.199*	.167	.427**	.307**	.160	.384**	.727**	.164	.124	.097	.125	.567**
30	DPrime Happy Distractor	.058	.160	.042	.153	.082	.781**	-.011	.105	.800**	.750**	.864**	.345**
31	DPrime HappyFear	.343**	.550**	.437**	.316**	.326**	.374**	.024	.028	.116	.100	.433**	.525**
32	DPrime Happy Target	.347**	.404**	.525**	.404**	.309**	.397**	.513**	.140	.026	.001	.242*	.757**
33	DPrime NonEmotional Distractor	.084	.067	.297**	.223*	.125	.363**	1.000**	.181	.007	.043	-.015	.672**
34	DPrime NonEmotional Target	.005	.111	-.033	.099	-.041	.800**	.043	.487**	.834**	1.000**	.865**	.098
35	zCorrectRejectionRate Calm Distractor	.359**	.430**	.665**	.830**	.389**	.351**	.729**	.208*	.053	.094	.125	.600**
36	zCorrectRejectionRate CalmFear	.448**	.204*	.265**	.368**	.664**	.243*	.156	.586**	.032	.228*	.197	.278**
37	zCorrectRejectionRate CalmHappy	.560**	.247*	.195	.282**	.556**	.488**	.116	.126	.741**	.610**	.522**	.201*
38	zCorrectRejectionRate Calm Target	.590**	.341**	.283**	.413**	.736**	.523**	.124	.334**	.592**	.646**	.573**	.273**
39	zCorrectRejectionRate Emotional Distractor	.709**	.622**	.518**	.529**	.674**	.554**	.057	.276**	.425**	.498**	.670**	.466**
40	zCorrectRejectionRate Emotional Target	.622**	.686**	.752**	.783**	.524**	.421**	.432**	.228*	.034	.121	.368**	.712**
41	zCorrectRejectionRate FearCalm	.239*	.199	.254*	.675**	.321**	.262**	.466**	.210*	.036	.094	.060	.364**
42	zCorrectRejectionRate Fear Distractor	.569**	.736**	.728**	.595**	.664**	.300**	.147	.326**	.010	.147	.354**	.524**
43	zCorrectRejectionRate FearHappy	.616**	.230*	.198	.312**	.401**	.376**	.019	.234*	.097	.181	.444**	.446**
44	zCorrectRejectionRate Fear Target	.586**	.326**	.348**	.668**	.466**	.381**	.299**	.278**	.049	.144	.326**	.547**
45	zCorrectRejectionRate HappyCalm	.293**	.389**	.694**	.523**	.265**	.354**	.675**	.144	.089	.085	.151	.567**
46	zCorrectRejectionRate Happy Distractor	.746**	.390**	.322**	.415**	.597**	.550**	.052	.185	.513**	.504**	.645**	.401**
47	zCorrectRejectionRate HappyFear	.423**	.887**	.744**	.500**	.383**	.325**	.052	.047	.093	.120	.418**	.473**
48	zCorrectRejectionRate Happy Target	.439**	.740**	.889**	.646**	.409**	.304**	.456**	.111	-.012	-.019	.209*	.650**
49	zCorrectRejectionRate NonEmotional Distractor	.359**	.430**	.665**	.830**	.389**	.351**	.729**	.208*	.053	.094	.125	.600**
50	zCorrectRejectionRate NonEmotional Target	.590**	.341**	.283**	.413**	.736**	.523**	.124	.334**	.592**	.646**	.573**	.273**
51	zFalseAlarmRate Calm Distractor	-.359**	-.430**	-.665**	-.830**	-.389**	-.351**	-.729**	-.208*	-.053	-.094	-.125	-.600**
52	zFalseAlarmRate CalmFear	-.433**	-.180	-.243*	-.353**	-.656**	-.245*	-.154	-.573**	-.051	-.229*	-.195	-.278**
53	zFalseAlarmRate CalmHappy	-.546**	-.256*	-.203*	-.278**	-.548**	-.497**	-.121	-.123	-.745**	-.614**	-.529**	-.210*
54	zFalseAlarmRate Calm Target	-.590**	-.341**	-.283**	-.413**	-.736**	-.523**	-.124	-.334**	-.592**	-.646**	-.573**	-.273**
55	zFalseAlarmRate Emotional Distractor	-.709**	-.622**	-.518**	-.529**	-.674**	-.554**	-.057	-.276**	-.425**	-.498**	-.670**	-.466**
56	zFalseAlarmRate Emotional Target	-.622**	-.686**	-.752**	-.783**	-.524**	-.421**	-.432**	-.228*	-.034	-.121	-.368**	-.712**

		13	14	15	16	17	18	19	20	21	22	23	24
57	zFalseAlarmRate FearCalm	-.244*	-.217*	-.271**	-.677**	-.342**	-.242*	-.445**	-.199	-.026	-.080	-.051	-.350**
58	zFalseAlarmRate Fear Distractor	-.569**	-.736**	-.728**	-.595**	-.664**	-.300**	-.147	-.326**	-.010	-.147	-.354**	-.524**
59	zFalseAlarmRate FearHappy	-.617**	-.258*	-.221*	-.312**	-.428**	-.385**	-.030	-.224*	-.102	-.176	-.441**	-.469**
60	zFalseAlarmRate Fear Target	-.586**	-.326**	-.348**	-.668**	-.466**	-.381**	-.299**	-.278**	-.049	-.144	-.326**	-.547**
61	zFalseAlarmRate HappyCalm	-.301**	-.404**	-.694**	-.536**	-.286**	-.337**	-.646**	-.146	-.081	-.082	-.157	-.558**
62	zFalseAlarmRate Happy Distractor	-.746**	-.390**	-.322**	-.415**	-.597**	-.550**	-.052	-.185	-.513**	-.504**	-.645**	-.401**
63	zFalseAlarmRate HappyFear	-.408**	-.872**	-.733**	-.506**	-.373**	-.334**	-.050	-.035	-.098	-.117	-.424**	-.481**
64	zFalseAlarmRate Happy Target	-.439**	-.740**	-.889**	-.646**	-.409**	-.304**	-.456**	-.111	.012	.019	-.209*	-.650**
65	zFalseAlarmRate NonEmotional Distractor	-.359**	-.430**	-.665**	-.830**	-.389**	-.351**	-.729**	-.208*	-.053	-.094	-.125	-.600**
66	zFalseAlarmRate NonEmotional Target	-.590**	-.341**	-.283**	-.413**	-.736**	-.523**	-.124	-.334**	-.592**	-.646**	-.573**	-.273**
67	zHitRate Calm Distractor	-.328**	-.441**	-.407**	-.717**	-.307**	.081	.519**	.004	-.057	-.056	-.178	.212*
68	zHitRate CalmFear	-.248*	-.135	-.198	-.186	-.652**	.363**	.062	.610**	.064	.415**	.325**	-.042
69	zHitRate CalmHappy	-.641**	-.187	-.274**	-.195	-.560**	.482**	-.112	-.019	.711**	.601**	.509**	-.131
70	zHitRate Calm Target	-.559**	-.183	-.315**	-.268**	-.760**	.539**	-.064	.314**	.517**	.680**	.575**	-.135
71	zHitRate Emotional Distractor	-.606**	-.237*	-.365**	-.295**	-.722**	.610**	-.079	.266**	.501**	.636**	.637**	.011
72	zHitRate Emotional Target	-.485**	-.472**	-.441**	-.607**	-.320**	.248*	.338**	-.022	.029	-.026	.017	.411**
73	zHitRate FearCalm	-.324**	-.255*	-.162	-.604**	-.271**	.077	.495**	-.009	-.108	-.088	-.153	.264**
74	zHitRate Fear Distractor	-.262**	-.265**	-.344**	-.257*	-.619**	.428**	-.044	.522**	.157	.447**	.446**	.000
75	zHitRate FearHappy	-.442**	-.131	-.127	-.119	-.234*	.275**	-.074	.014	.095	.060	.231*	.305**
76	zHitRate Fear Target	-.493**	-.246*	-.189	-.502**	-.297**	.220*	.368**	-.032	.006	-.023	.006	.399**
77	zHitRate HappyCalm	-.173	-.457**	-.512**	-.422**	-.202*	.130	.237*	.082	.097	.043	-.039	.093
78	zHitRate Happy Distractor	-.708**	-.186	-.282**	-.223*	-.518**	.521**	-.071	-.047	.587**	.526**	.538**	.063
79	zHitRate HappyFear	-.082	-.517**	-.497**	-.280**	-.044	.173	-.052	-.032	.078	-.017	.135	.207*
80	zHitRate Happy Target	-.117	-.544**	-.577**	-.376**	-.136	.220*	.172	.080	.072	.036	.092	.293**
81	zHitRate NonEmotional Distractor	-.328**	-.441**	-.407**	-.717**	-.307**	.081	.519**	.004	-.057	-.056	-.178	.212*
82	zHitRate NonEmotional Target	-.559**	-.183	-.315**	-.268**	-.760**	.539**	-.064	.314**	.517**	.680**	.575**	-.135
83	zMissRate Calm Distractor	.328**	.441**	.407**	.717**	.307**	-.081	-.519**	-.004	.057	.056	.178	-.212*
84	zMissRate CalmFear	.248*	.135	.198	.186	.652**	-.363**	-.062	-.610**	-.064	-.415**	-.325**	.042
85	zMissRate CalmHappy	.641**	.187	.274**	.195	.560**	-.482**	.112	.019	-.711**	-.601**	-.509**	.131

		13	14	15	16	17	18	19	20	21	22	23	24
86	zMissRate Calm Target	.559**	.183	.315**	.268**	.760**	-.539**	.064	-.314**	-.517**	-.680**	-.575**	.135
87	zMissRate Emotional Distractor	.606**	.237*	.365**	.295**	.722**	-.610**	.079	-.266**	-.501**	-.636**	-.637**	-.011
88	zMissRate Emotional Target	.485**	.472**	.441**	.607**	.320**	-.248*	-.338**	.022	-.029	.026	-.017	-.411**
89	zMissRate FearCalm	.324**	.255*	.162	.604**	.271**	-.077	-.495**	.009	.108	.088	.153	-.264**
90	zMissRate Fear Distractor	.262**	.265**	.344**	.257*	.619**	-.428**	.044	-.522**	-.157	-.447**	-.446**	.000
91	zMissRate FearHappy	.442**	.131	.127	.119	.234*	-.275**	.074	-.014	-.095	-.060	-.231*	-.305**
92	zMissRate Fear Target	.493**	.246*	.189	.502**	.297**	-.220*	-.368**	.032	-.006	.023	-.006	-.399**
93	zMissRate HappyCalm	.173	.457**	.512**	.422**	.202*	-.130	-.237*	-.082	-.097	-.043	.039	-.093
94	zMissRate Happy Distractor	.708**	.186	.282**	.223*	.518**	-.521**	.071	.047	-.587**	-.526**	-.538**	-.063
95	zMissRate HappyFear	.082	.517**	.497**	.280**	.044	-.173	.052	.032	-.078	.017	-.135	-.207*
96	zMissRate Happy Target	.117	.544**	.577**	.376**	.136	-.220*	-.172	-.080	-.072	-.036	-.092	-.293**
97	zMissRate NonEmotional Distractor	.328**	.441**	.407**	.717**	.307**	-.081	-.519**	-.004	.057	.056	.178	-.212*
98	zMissRate NonEmotional Target	.559**	.183	.315**	.268**	.760**	-.539**	.064	-.314**	-.517**	-.680**	-.575**	.135
99	zRT AllRuns Hits	.380**	.379**	.392**	.516**	.423**	.198*	-.009	.037	.170	.159	.258*	.196
100	zRT Calm Distractor Hits	.303**	.373**	.376**	.512**	.325**	.227*	-.042	.053	.206*	.200*	.294**	.154
101	zRT Calm Target Hits	.436**	.347**	.380**	.494**	.527**	.158	.047	.016	.125	.104	.194	.237*
102	zRT Emotional Distractor Hits	.414**	.377**	.397**	.509**	.468**	.182	.012	.029	.142	.129	.229*	.219*
103	zRT Emotional Target Hits	.333**	.388**	.386**	.506**	.357**	.220*	-.041	.044	.190	.186	.288**	.166
104	zRT Fear Distractor Hits	.396**	.355**	.388**	.515**	.453**	.162	-.023	.028	.124	.110	.220*	.198
105	zRT Fear Target Hits	.375**	.447**	.422**	.538**	.382**	.223*	-.002	.052	.198	.192	.292**	.191
106	zRT Happy Distractor Hits	.420**	.380**	.398**	.488**	.468**	.180	.044	.028	.145	.129	.224*	.227*
107	zRT Happy Target Hits	.290**	.367**	.367**	.489**	.326**	.211*	-.085	.031	.182	.184	.286**	.133
108	zRT Hits Calm	.384**	.365**	.385**	.519**	.435**	.193	.003	.035	.173	.158	.250*	.198
109	ZRT Hits CalmFear	.410**	.311**	.342**	.498**	.486**	.126	.016	.021	.123	.091	.174	.193
110	ZRT Hits CalmHappy	.425**	.347**	.385**	.467**	.515**	.146	.081	.046	.110	.093	.163	.254*
111	zRT Hits Fear	.386**	.388**	.390**	.520**	.418**	.205*	-.019	.041	.178	.168	.270**	.190
112	ZRT Hits FearCalm	.359**	.449**	.426**	.559**	.351**	.246*	-.011	.090	.214*	.214*	.308**	.191
113	ZRT Hits FearHappy	.371**	.421**	.391**	.481**	.389**	.204*	.002	.036	.175	.169	.264**	.181
114	zRT Hits Happy	.367**	.391**	.402**	.515**	.400**	.205*	-.011	.041	.172	.163	.265**	.195

		13	14	15	16	17	18	19	20	21	22	23	24
115	ZRT Hits HappyCalm	.225*	.329**	.339**	.461**	.290**	.184	-.049	.002	.172	.161	.242*	.112
116	ZRT Hits HappyFear	.348**	.394**	.426**	.509**	.380**	.189	-.052	.039	.126	.130	.268**	.206*
117	zRT Hits	.380**	.379**	.392**	.516**	.423**	.198*	-.009	.037	.170	.159	.258*	.196
118	zRT Nonemotional Distractor Hits	.303**	.373**	.376**	.512**	.325**	.227*	-.042	.053	.206*	.200*	.294**	.154
119	zRT Nonemotional Target Hits	.436**	.347**	.380**	.494**	.527**	.158	.047	.016	.125	.104	.194	.237*
120	Gender	.014	.001	-.010	.044	-.037	.128	-.039	.109	.090	.097	.110	-.025
121	AgeYears	.150	.110	.093	.213*	.202*	-.017	.034	.267**	-.094	.070	.008	-.087

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		25	26	27	28	29	30	31	32	33	34	35	36
1	Criterion	.134	.237*	.284**	.254*	.239*	.067	.361**	.396**	.184	-.068	.608**	.617**
2	Criterion Calm Distractor	.183	.349**	.205*	.224*	.307**	.153	.316**	.404**	.223*	.099	.830**	.368**
3	Criterion CalmFear	.095	-.016	.221*	.185	.082	.065	.213*	.180	.058	-.082	.270**	.796**
4	Criterion CalmHappy	.074	.244*	.108	.126	.200*	-.019	.296**	.320**	.164	.027	.336**	.388**
5	Criterion Calm Target	.095	.120	.220*	.198	.160	.082	.326**	.309**	.125	-.041	.389**	.664**
6	Criterion Emotional Distractor	.024	.234*	.295**	.198	.180	.082	.432**	.382**	.090	-.077	.435**	.600**
7	Criterion Emotional Target	.044	.418**	.274**	.169	.244*	.171	.404**	.387**	.118	.097	.669**	.397**
8	Criterion FearCalm	.254*	.201*	.172	.183	.015	.120	.203*	.143	.061	.115	.603**	.345**
9	Criterion Fear Distractor	.089	.154	.198	.202*	.146	.023	.411**	.387**	.121	-.156	.444**	.626**
10	Criterion FearHappy	-.016	.262**	.427**	.215*	.160	.252*	.288**	.222*	.054	.118	.252*	.385**
11	Criterion Fear Target	.047	.300**	.357**	.177	.071	.209*	.279**	.205*	-.007	.109	.507**	.400**
12	Criterion HappyCalm	.191	.287**	.116	.270**	.653**	.113	.229*	.528**	.505**	.058	.736**	.245*
13	Criterion Happy Distractor	-.014	.320**	.291**	.156	.199*	.058	.343**	.347**	.084	.005	.359**	.448**
14	Criterion HappyFear	.000	.474**	.127	.108	.167	.160	.550**	.404**	.067	.111	.430**	.204*
15	Criterion Happy Target	.110	.403**	.102	.173	.427**	.042	.437**	.525**	.297**	-.033	.665**	.265**
16	Criterion NonEmotional Distractor	.183	.349**	.205*	.224*	.307**	.153	.316**	.404**	.223*	.099	.830**	.368**
17	Criterion NonEmotional Target	.095	.120	.220*	.198	.160	.082	.326**	.309**	.125	-.041	.389**	.664**
18	DPrime	.290**	.627**	.477**	.520**	.384**	.781**	.374**	.397**	.363**	.800**	.351**	.243*
19	DPrime Calm Distractor	.753**	.103	-.024	.560**	.727**	-.011	.024	.513**	1.000**	.043	.729**	.156
20	DPrime CalmFear	.187	.717**	.211*	.228*	.164	.105	.028	.140	.181	.487**	.208*	.586**
21	DPrime CalmHappy	-.042	.136	.136	.049	.124	.800**	.116	.026	.007	.834**	.053	.032
22	DPrime Calm Target	.025	.499**	.190	.115	.097	.750**	.100	.001	.043	1.000**	.094	.228*
23	DPrime Emotional Distractor	-.052	.692**	.512**	.304**	.125	.864**	.433**	.242*	-.015	.865**	.125	.197
24	DPrime Emotional Target	.505**	.490**	.555**	.812**	.567**	.345**	.525**	.757**	.672**	.098	.600**	.278**
25	DPrime FearCalm	1	.004	-.003	.698**	.201*	-.025	-.081	.105	.753**	.025	.567**	.190
26	DPrime Fear Distractor	.004	1	.367**	.252*	.222*	.291**	.632**	.572**	.103	.499**	.304**	.421**
27	DPrime FearHappy	-.003	.367**	1	.643**	.091	.591**	.298**	.263**	-.024	.190	.128	.307**
28	DPrime Fear Target	.698**	.252*	.643**	1	.231*	.379**	.153	.293**	.560**	.115	.478**	.288**

		25	26	27	28	29	30	31	32	33	34	35	36
29	DPrime HappyCalm	.201*	.222*	.091	.231*	1	.121	.188	.734**	.727**	.097	.632**	.166
30	DPrime Happy Distractor	-.025	.291**	.591**	.379**	.121	1	.262**	.138	-.011	.750**	.102	.116
31	DPrime HappyFear	-.081	.632**	.298**	.153	.188	.262**	1	.704**	.024	.100	.235*	.189
32	DPrime Happy Target	.105	.572**	.263**	.293**	.734**	.138	.704**	1	.513**	.001	.578**	.231*
33	DPrime NonEmotional Distractor	.753**	.103	-.024	.560**	.727**	-.011	.024	.513**	1	.043	.729**	.156
34	DPrime NonEmotional Target	.025	.499**	.190	.115	.097	.750**	.100	.001	.043	1	.094	.228*
35	zCorrectRejectionRate Calm Distractor	.567**	.304**	.128	.478**	.632**	.102	.235*	.578**	.729**	.094	1	.345**
36	zCorrectRejectionRate CalmFear	.190	.421**	.307**	.288**	.166	.116	.189	.231*	.156	.228*	.345**	1
37	zCorrectRejectionRate CalmHappy	.020	.261**	.169	.120	.222*	.555**	.281**	.234*	.116	.610**	.264**	.282**
38	zCorrectRejectionRate Calm Target	.089	.404**	.297**	.229*	.188	.570**	.317**	.237*	.124	.646**	.361**	.662**
39	zCorrectRejectionRate Emotional Distractor	-.016	.596**	.554**	.342**	.214*	.615**	.599**	.439**	.057	.498**	.404**	.574**
40	zCorrectRejectionRate Emotional Target	.305**	.555**	.497**	.541**	.469**	.302**	.565**	.672**	.432**	.121	.797**	.436**
41	zCorrectRejectionRate FearCalm	.736**	.142	.118	.519**	.123	.069	.095	.159	.466**	.094	.738**	.347**
42	zCorrectRejectionRate Fear Distractor	.071	.653**	.354**	.290**	.231*	.173	.653**	.602**	.147	.147	.503**	.713**
43	zCorrectRejectionRate FearHappy	-.012	.371**	.836**	.501**	.150	.494**	.346**	.286**	.019	.181	.226*	.411**
44	zCorrectRejectionRate Fear Target	.417**	.361**	.620**	.676**	.179	.362**	.292**	.313**	.299**	.144	.640**	.458**
45	zCorrectRejectionRate HappyCalm	.212*	.281**	.112	.276**	.905**	.129	.230*	.691**	.675**	.085	.753**	.222*
46	zCorrectRejectionRate Happy Distractor	-.027	.417**	.602**	.363**	.221*	.708**	.418**	.337**	.052	.504**	.322**	.394**
47	zCorrectRejectionRate HappyFear	-.046	.626**	.238*	.148	.202*	.238*	.873**	.625**	.052	.120	.381**	.219*
48	zCorrectRejectionRate Happy Target	.122	.554**	.205*	.263**	.654**	.100	.644**	.857**	.456**	-.019	.714**	.283**
49	zCorrectRejectionRate NonEmotional Distractor	.567**	.304**	.128	.478**	.632**	.102	.235*	.578**	.729**	.094	1.000**	.345**
50	zCorrectRejectionRate NonEmotional Target	.089	.404**	.297**	.229*	.188	.570**	.317**	.237*	.124	.646**	.361**	.662**
51	zFalseAlarmRate Calm Distractor	-.567**	-.304**	-.128	-.478**	-.632**	-.102	-.235*	-.578**	-.729**	-.094	-1.000**	-.345**
52	zFalseAlarmRate CalmFear	-.188	-.405**	-.311**	-.287**	-.165	-.127	-.182	-.230*	-.154	-.229*	-.334**	-.985**
53	zFalseAlarmRate CalmHappy	-.021	-.268**	-.163	-.122	-.231*	-.559**	-.296**	-.245*	-.121	-.614**	-.265**	-.277**
54	zFalseAlarmRate Calm Target	-.089	-.404**	-.297**	-.229*	-.188	-.570**	-.317**	-.237*	-.124	-.646**	-.361**	-.662**
55	zFalseAlarmRate Emotional Distractor	.016	-.596**	-.554**	-.342**	-.214*	-.615**	-.599**	-.439**	-.057	-.498**	-.404**	-.574**
56	zFalseAlarmRate Emotional Target	-.305**	-.555**	-.497**	-.541**	-.469**	-.302**	-.565**	-.672**	-.432**	-.121	-.797**	-.436**

		25	26	27	28	29	30	31	32	33	34	35	36
57	zFalseAlarmRate FearCalm	-.705**	-.145	-.102	-.494**	-.127	-.057	-.108	-.156	-.445**	-.080	-.728**	-.361**
58	zFalseAlarmRate Fear Distractor	-.071	-.653**	-.354**	-.290**	-.231*	-.173	-.653**	-.602**	-.147	-.147	-.503**	-.713**
59	zFalseAlarmRate FearHappy	.004	-.376**	-.817**	-.498**	-.170	-.487**	-.394**	-.321**	-.030	-.176	-.233*	-.418**
60	zFalseAlarmRate Fear Target	-.417**	-.361**	-.620**	-.676**	-.179	-.362**	-.292**	-.313**	-.299**	-.144	-.640**	-.458**
61	zFalseAlarmRate HappyCalm	-.196	-.291**	-.126	-.269**	-.886**	-.132	-.244*	-.692**	-.646**	-.082	-.746**	-.259*
62	zFalseAlarmRate Happy Distractor	.027	-.417**	-.602**	-.363**	-.221*	-.708**	-.418**	-.337**	-.052	-.504**	-.322**	-.394**
63	zFalseAlarmRate HappyFear	.048	-.606**	-.274**	-.170	-.209*	-.261**	-.859**	-.615**	-.050	-.117	-.384**	-.213*
64	zFalseAlarmRate Happy Target	-.122	-.554**	-.205*	-.263**	-.654**	-.100	-.644**	-.857**	-.456**	.019	-.714**	-.283**
65	zFalseAlarmRate NonEmotional Distractor	-.567**	-.304**	-.128	-.478**	-.632**	-.102	-.235*	-.578**	-.729**	-.094	-1.000**	-.345**
66	zFalseAlarmRate NonEmotional Target	-.089	-.404**	-.297**	-.229*	-.188	-.570**	-.317**	-.237*	-.124	-.646**	-.361**	-.662**
67	zHitRate Calm Distractor	.393**	-.233*	-.195	.204*	.251*	-.142	-.260**	.013	.519**	-.056	-.206*	-.204*
68	zHitRate CalmFear	.036	.440**	-.051	-.012	.033	.011	-.152	-.062	.062	.415**	-.092	-.285**
69	zHitRate CalmHappy	-.085	-.081	.026	-.053	-.049	.630**	-.123	-.211*	-.112	.601**	-.200	-.257*
70	zHitRate Calm Target	-.054	.205*	-.037	-.071	-.054	.428**	-.174	-.226*	-.064	.680**	-.224*	-.337**
71	zHitRate Emotional Distractor	-.053	.250*	.118	.050	-.056	.512**	-.044	-.133	-.079	.636**	-.252*	-.324**
72	zHitRate Emotional Target	.307**	-.070	.131	.382**	.148	.069	-.033	.139	.338**	-.026	-.233*	-.172
73	zHitRate FearCalm	.489**	-.184	-.158	.345**	.130	-.121	-.241*	-.055	.495**	-.088	-.124	-.174
74	zHitRate Fear Distractor	-.075	.482**	.056	-.023	.008	.159	.027	.010	-.044	.447**	-.206*	-.282**
75	zHitRate FearHappy	.013	.084	.500**	.379**	-.070	.296**	-.005	.027	-.074	.060	-.125	-.090
76	zHitRate Fear Target	.406**	-.103	.098	.488**	.086	.059	-.149	.007	.368**	-.023	-.142	-.167
77	zHitRate HappyCalm	.012	-.096	-.033	-.060	.371**	.002	-.060	.213*	.237*	.043	-.162	-.104
78	zHitRate Happy Distractor	-.008	-.048	.203*	.151	-.063	.663**	-.072	-.162	-.071	.526**	-.197	-.252*
79	zHitRate HappyFear	-.096	.135	.200	.039	.011	.110	.430**	.302**	-.052	-.017	-.230*	-.013
80	zHitRate Happy Target	-.013	.101	.155	.094	.243*	.087	.203*	.392**	.172	.036	-.165	-.053
81	zHitRate NonEmotional Distractor	.393**	-.233*	-.195	.204*	.251*	-.142	-.260**	.013	.519**	-.056	-.206*	-.204*
82	zHitRate NonEmotional Target	-.054	.205*	-.037	-.071	-.054	.428**	-.174	-.226*	-.064	.680**	-.224*	-.337**
83	zMissRate Calm Distractor	-.393**	.233*	.195	-.204*	-.251*	.142	.260**	-.013	-.519**	.056	.206*	.204*
84	zMissRate CalmFear	-.036	-.440**	.051	.012	-.033	-.011	.152	.062	-.062	-.415**	.092	.285**
85	zMissRate CalmHappy	.085	.081	-.026	.053	.049	-.630**	.123	.211*	.112	-.601**	.200	.257*

		25	26	27	28	29	30	31	32	33	34	35	36
86	zMissRate Calm Target	.054	-.205*	.037	.071	.054	-.428**	.174	.226*	.064	-.680**	.224*	.337**
87	zMissRate Emotional Distractor	.053	-.250*	-.118	-.050	.056	-.512**	.044	.133	.079	-.636**	.252*	.324**
88	zMissRate Emotional Target	-.307**	.070	-.131	-.382**	-.148	-.069	.033	-.139	-.338**	.026	.233*	.172
89	zMissRate FearCalm	-.489**	.184	.158	-.345**	-.130	.121	.241*	.055	-.495**	.088	.124	.174
90	zMissRate Fear Distractor	.075	-.482**	-.056	.023	-.008	-.159	-.027	-.010	.044	-.447**	.206*	.282**
91	zMissRate FearHappy	-.013	-.084	-.500**	-.379**	.070	-.296**	.005	-.027	.074	-.060	.125	.090
92	zMissRate Fear Target	-.406**	.103	-.098	-.488**	-.086	-.059	.149	-.007	-.368**	.023	.142	.167
93	zMissRate HappyCalm	-.012	.096	.033	.060	-.371**	-.002	.060	-.213*	-.237*	-.043	.162	.104
94	zMissRate Happy Distractor	.008	.048	-.203*	-.151	.063	-.663**	.072	.162	.071	-.526**	.197	.252*
95	zMissRate HappyFear	.096	-.135	-.200	-.039	-.011	-.110	-.430**	-.302**	.052	.017	.230*	.013
96	zMissRate Happy Target	.013	-.101	-.155	-.094	-.243*	-.087	-.203*	-.392**	-.172	-.036	.165	.053
97	zMissRate NonEmotional Distractor	-.393**	.233*	.195	-.204*	-.251*	.142	.260**	-.013	-.519**	.056	.206*	.204*
98	zMissRate NonEmotional Target	.054	-.205*	.037	.071	.054	-.428**	.174	.226*	.064	-.680**	.224*	.337**
99	zRT AllRuns Hits	-.077	.225*	.276**	.074	.218*	.254*	.319**	.294**	-.009	.159	.357**	.341**
100	zRT Calm Distractor Hits	-.092	.238*	.239*	.038	.200*	.270**	.310**	.262**	-.042	.200*	.335**	.280**
101	zRT Calm Target Hits	-.057	.193	.300**	.100	.267**	.228*	.299**	.334**	.047	.104	.374**	.409**
102	zRT Emotional Distractor Hits	-.063	.217*	.291**	.094	.226*	.237*	.318**	.311**	.012	.129	.364**	.370**
103	zRT Emotional Target Hits	-.085	.234*	.255*	.058	.182	.268**	.319**	.260**	-.041	.186	.332**	.293**
104	zRT Fear Distractor Hits	-.084	.189	.307**	.095	.207*	.240*	.286**	.298**	-.023	.110	.349**	.366**
105	zRT Fear Target Hits	-.065	.260*	.240*	.066	.204*	.266**	.343**	.296**	-.002	.192	.371**	.293**
106	zRT Happy Distractor Hits	-.044	.231*	.260*	.085	.244*	.214*	.336**	.330**	.044	.129	.368**	.358**
107	zRT Happy Target Hits	-.108	.204*	.259*	.047	.145	.269**	.280**	.204*	-.085	.184	.295**	.280**
108	zRT Hits Calm	-.080	.220*	.275**	.068	.240*	.252*	.312**	.305**	.003	.158	.366**	.353**
109	ZRT Hits CalmFear	-.088	.139	.287**	.080	.264*	.234*	.251*	.317**	.016	.091	.351**	.400**
110	ZRT Hits CalmHappy	-.018	.231*	.261*	.101	.266**	.145	.313**	.352**	.081	.093	.372**	.390**
111	zRT Hits Fear	-.080	.227*	.281**	.078	.202*	.268**	.321**	.286**	-.019	.168	.355**	.332**
112	ZRT Hits FearCalm	-.072	.294**	.250*	.057	.218*	.269**	.344**	.313**	-.011	.214*	.378**	.281**
113	ZRT Hits FearHappy	-.048	.227*	.225*	.069	.186	.243*	.329**	.274**	.002	.169	.333**	.301**
114	zRT Hits Happy	-.074	.239*	.264**	.071	.209*	.248*	.326**	.292**	-.011	.163	.355**	.322**

		25	26	27	28	29	30	31	32	33	34	35	36
115	ZRT Hits HappyCalm	-.084	.156	.187	.013	.171	.226*	.246*	.201*	-.049	.161	.296**	.263**
116	ZRT Hits HappyFear	-.078	.227*	.296**	.104	.152	.247*	.302**	.278**	-.052	.130	.335**	.311**
117	zRT Hits	-.077	.225*	.276**	.074	.218*	.254*	.319**	.294**	-.009	.159	.357**	.341**
118	zRT Nonemotional Distractor Hits	-.092	.238*	.239*	.038	.200*	.270**	.310**	.262**	-.042	.200*	.335**	.280**
119	zRT Nonemotional Target Hits	-.057	.193	.300**	.100	.267**	.228*	.299**	.334**	.047	.104	.374**	.409**
120	Gender	.017	.083	.059	.029	-.004	.080	.015	-.066	-.039	.097	.008	.039
121	AgeYears	.014	.179	-.095	-.127	.050	-.134	.071	.053	.034	.070	.169	.389**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		37	38	39	40	41	42	43	44	45	46	47	48
1	Criterion	.444**	.616**	.724**	.779**	.497**	.753**	.546**	.672**	.420**	.624**	.538**	.603**
2	Criterion Calm Distractor	.282**	.413**	.529**	.783**	.675**	.595**	.312**	.668**	.523**	.415**	.500**	.646**
3	Criterion CalmFear	.253*	.568**	.503**	.368**	.272**	.636**	.332**	.358**	.166	.348**	.235*	.266**
4	Criterion CalmHappy	.705**	.621**	.582**	.458**	.247*	.483**	.308**	.362**	.263**	.597**	.347**	.376**
5	Criterion Calm Target	.556**	.736**	.674**	.524**	.321**	.664**	.401**	.466**	.265**	.597**	.383**	.409**
6	Criterion Emotional Distractor	.482**	.652**	.767**	.697**	.298**	.767**	.560**	.581**	.331**	.670**	.572**	.561**
7	Criterion Emotional Target	.314**	.469**	.705**	.869**	.490**	.681**	.572**	.728**	.467**	.596**	.643**	.662**
8	Criterion FearCalm	.257*	.372**	.387**	.544**	.841**	.385**	.271**	.681**	.074	.330**	.272**	.241*
9	Criterion Fear Distractor	.261**	.533**	.629**	.610**	.298**	.849**	.313**	.403**	.330**	.389**	.594**	.619**
10	Criterion FearHappy	.291**	.426**	.636**	.604**	.188	.396**	.853**	.697**	.203*	.689**	.304**	.257*
11	Criterion Fear Target	.284**	.440**	.608**	.693**	.564**	.461**	.674**	.845**	.167	.613**	.362**	.316**
12	Criterion HappyCalm	.215*	.282**	.406**	.675**	.192	.496**	.197	.318**	.913**	.309**	.437**	.785**
13	Criterion Happy Distractor	.560**	.590**	.709**	.622**	.239*	.569**	.616**	.586**	.293**	.746**	.423**	.439**
14	Criterion HappyFear	.247*	.341**	.622**	.686**	.199	.736**	.230*	.326**	.389**	.390**	.887**	.740**
15	Criterion Happy Target	.195	.283**	.518**	.752**	.254*	.728**	.198	.348**	.694**	.322**	.744**	.889**
16	Criterion NonEmotional Distractor	.282**	.413**	.529**	.783**	.675**	.595**	.312**	.668**	.523**	.415**	.500**	.646**
17	Criterion NonEmotional Target	.556**	.736**	.674**	.524**	.321**	.664**	.401**	.466**	.265**	.597**	.383**	.409**
18	DPrime	.488**	.523**	.554**	.421**	.262**	.300**	.376**	.381**	.354**	.550**	.325**	.304**
19	DPrime Calm Distractor	.116	.124	.057	.432**	.466**	.147	.019	.299**	.675**	.052	.052	.456**
20	DPrime CalmFear	.126	.334**	.276**	.228*	.210*	.326**	.234*	.278**	.144	.185	.047	.111
21	DPrime CalmHappy	.741**	.592**	.425**	.034	.036	.010	.097	.049	.089	.513**	.093	-.012
22	DPrime Calm Target	.610**	.646**	.498**	.121	.094	.147	.181	.144	.085	.504**	.120	-.019
23	DPrime Emotional Distractor	.522**	.573**	.670**	.368**	.060	.354**	.444**	.326**	.151	.645**	.418**	.209*
24	DPrime Emotional Target	.201*	.273**	.466**	.712**	.364**	.524**	.446**	.547**	.567**	.401**	.473**	.650**
25	DPrime FearCalm	.020	.089	-.016	.305**	.736**	.071	-.012	.417**	.212*	-.027	-.046	.122
26	DPrime Fear Distractor	.261**	.404**	.596**	.555**	.142	.653**	.371**	.361**	.281**	.417**	.626**	.554**
27	DPrime FearHappy	.169	.297**	.554**	.497**	.118	.354**	.836**	.620**	.112	.602**	.238*	.205*
28	DPrime Fear Target	.120	.229*	.342**	.541**	.519**	.290**	.501**	.676**	.276**	.363**	.148	.263**

		37	38	39	40	41	42	43	44	45	46	47	48
29	DPrime HappyCalm	.222*	.188	.214*	.469**	.123	.231*	.150	.179	.905**	.221*	.202*	.654**
30	DPrime Happy Distractor	.555**	.570**	.615**	.302**	.069	.173	.494**	.362**	.129	.708**	.238*	.100
31	DPrime HappyFear	.281**	.317**	.599**	.565**	.095	.653**	.346**	.292**	.230*	.418**	.873**	.644**
32	DPrime Happy Target	.234*	.237*	.439**	.672**	.159	.602**	.286**	.313**	.691**	.337**	.625**	.857**
33	DPrime NonEmotional Distractor	.116	.124	.057	.432**	.466**	.147	.019	.299**	.675**	.052	.052	.456**
34	DPrime NonEmotional Target	.610**	.646**	.498**	.121	.094	.147	.181	.144	.085	.504**	.120	-.019
35	zCorrectRejectionRate Calm Distractor	.264**	.361**	.404**	.797**	.738**	.503**	.226*	.640**	.753**	.322**	.381**	.714**
36	zCorrectRejectionRate CalmFear	.282**	.662**	.574**	.436**	.347**	.713**	.411**	.458**	.222*	.394**	.219*	.283**
37	zCorrectRejectionRate CalmHappy	1	.837**	.693**	.332**	.190	.340**	.274**	.278**	.240*	.766**	.299**	.244*
38	zCorrectRejectionRate Calm Target	.837**	1	.852**	.482**	.309**	.625**	.430**	.454**	.260**	.798**	.374**	.299**
39	zCorrectRejectionRate Emotional Distractor	.693**	.852**	1	.754**	.260**	.801**	.705**	.641**	.343**	.912**	.693**	.551**
40	zCorrectRejectionRate Emotional Target	.332**	.482**	.754**	1	.550**	.765**	.654**	.812**	.632**	.641**	.712**	.817**
41	zCorrectRejectionRate FearCalm	.190	.309**	.260**	.550**	1	.307**	.182	.708**	.171	.214*	.163	.237*
42	zCorrectRejectionRate Fear Distractor	.340**	.625**	.801**	.765**	.307**	1	.445**	.502**	.404**	.521**	.790**	.770**
43	zCorrectRejectionRate FearHappy	.274**	.430**	.705**	.654**	.182	.445**	1	.781**	.188	.766**	.321**	.274**
44	zCorrectRejectionRate Fear Target	.278**	.454**	.641**	.812**	.708**	.502**	.781**	1	.275**	.656**	.351**	.380**
45	zCorrectRejectionRate HappyCalm	.240*	.260**	.343**	.632**	.171	.404**	.188	.275**	1	.293**	.354**	.793**
46	zCorrectRejectionRate Happy Distractor	.766**	.798**	.912**	.641**	.214*	.521**	.766**	.656**	.293**	1	.458**	.377**
47	zCorrectRejectionRate HappyFear	.299**	.374**	.693**	.712**	.163	.790**	.321**	.351**	.354**	.458**	1	.787**
48	zCorrectRejectionRate Happy Target	.244*	.299**	.551**	.817**	.237*	.770**	.274**	.380**	.793**	.377**	.787**	1
49	zCorrectRejectionRate NonEmotional Distractor	.264**	.361**	.404**	.797**	.738**	.503**	.226*	.640**	.753**	.322**	.381**	.714**
50	zCorrectRejectionRate NonEmotional Target	.837**	1.000**	.852**	.482**	.309**	.625**	.430**	.454**	.260**	.798**	.374**	.299**
51	zFalseAlarmRate Calm Distractor	-.264**	-.361**	-.404**	-.797**	-.738**	-.503**	-.226*	-.640**	-.753**	-.322**	-.381**	-.714**
52	zFalseAlarmRate CalmFear	-.294**	-.657**	-.561**	-.420**	-.340**	-.692**	-.405**	-.443**	-.217*	-.390**	-.201*	-.269**
53	zFalseAlarmRate CalmHappy	-.995**	-.834**	-.692**	-.334**	-.185	-.346**	-.263**	-.270**	-.248*	-.760**	-.313**	-.255*
54	zFalseAlarmRate Calm Target	-.837**	-1.000**	-.852**	-.482**	-.309**	-.625**	-.430**	-.454**	-.260**	-.798**	-.374**	-.299**
55	zFalseAlarmRate Emotional Distractor	-.693**	-.852**	-1.000**	-.754**	-.260**	-.801**	-.705**	-.641**	-.343**	-.912**	-.693**	-.551**
56	zFalseAlarmRate Emotional Target	-.332**	-.482**	-.754**	-1.000**	-.550**	-.765**	-.654**	-.812**	-.632**	-.641**	-.712**	-.817**

		37	38	39	40	41	42	43	44	45	46	47	48
57	zFalseAlarmRate FearCalm	-.197	-.315**	-.268**	-.545**	-.976**	-.328**	-.166	-.691**	-.181	-.210*	-.180	-.245*
58	zFalseAlarmRate Fear Distractor	-.340**	-.625**	-.801**	-.765**	-.307**	-1.000**	-.445**	-.502**	-.404**	-.521**	-.790**	-.770**
59	zFalseAlarmRate FearHappy	-.288**	-.446**	-.718**	-.662**	-.180	-.473**	-.969**	-.763**	-.210*	-.762**	-.363**	-.307**
60	zFalseAlarmRate Fear Target	-.278**	-.454**	-.641**	-.812**	-.708**	-.502**	-.781**	-1.000**	-.275**	-.656**	-.351**	-.380**
61	zFalseAlarmRate HappyCalm	-.239*	-.274**	-.362**	-.638**	-.176	-.432**	-.197	-.286**	-.979**	-.301**	-.371**	-.793**
62	zFalseAlarmRate Happy Distractor	-.766**	-.798**	-.912**	-.641**	-.214*	-.521**	-.766**	-.656**	-.293**	-1.000**	-.458**	-.377**
63	zFalseAlarmRate HappyFear	-.290**	-.364**	-.689**	-.715**	-.170	-.775**	-.351**	-.370**	-.360**	-.463**	-.983**	-.776**
64	zFalseAlarmRate Happy Target	-.244*	-.299**	-.551**	-.817**	-.237*	-.770**	-.274**	-.380**	-.793**	-.377**	-.787**	-1.000**
65	zFalseAlarmRate NonEmotional Distractor	-.264**	-.361**	-.404**	-.797**	-.738**	-.503**	-.226*	-.640**	-.753**	-.322**	-.381**	-.714**
66	zFalseAlarmRate NonEmotional Target	-.837**	-1.000**	-.852**	-.482**	-.309**	-.625**	-.430**	-.454**	-.260**	-.798**	-.374**	-.299**
67	zHitRate Calm Distractor	-.165	-.273**	-.423**	-.378**	-.243*	-.417**	-.256*	-.371**	.024	-.327**	-.401**	-.240*
68	zHitRate CalmFear	-.131	-.273**	-.247*	-.159	-.092	-.316**	-.127	-.121	-.047	-.171	-.160	-.151
69	zHitRate CalmHappy	.054	.002	-.097	-.304**	-.148	-.353**	-.147	-.222*	-.121	-.041	-.177	-.280**
70	zHitRate Calm Target	-.011	-.120	-.170	-.306**	-.174	-.433**	-.176	-.248*	-.139	-.110	-.203*	-.313**
71	zHitRate Emotional Distractor	-.024	-.121	-.146	-.292**	-.186	-.396**	-.128	-.231*	-.154	-.087	-.163	-.293**
72	zHitRate Emotional Target	-.163	-.262**	-.357**	-.347**	-.197	-.298**	-.216*	-.325**	-.064	-.297**	-.293**	-.193
73	zHitRate FearCalm	-.217*	-.266**	-.356**	-.263**	-.229*	-.294**	-.249*	-.305**	.092	-.311**	-.276**	-.125
74	zHitRate Fear Distractor	-.070	-.223*	-.189	-.198	-.171	-.349**	-.041	-.134	-.119	-.087	-.140	-.206*
75	zHitRate FearHappy	-.125	-.138	-.106	-.127	-.073	-.055	-.058	-.104	-.093	-.113	-.075	-.060
76	zHitRate Fear Target	-.175	-.242*	-.318**	-.266**	-.164	-.222*	-.272**	-.313**	.030	-.310**	-.226*	-.111
77	zHitRate HappyCalm	-.003	-.125	-.249*	-.279**	-.091	-.338**	-.064	-.181	-.059	-.122	-.300**	-.196
78	zHitRate Happy Distractor	-.027	-.039	-.097	-.252*	-.129	-.322**	-.109	-.183	-.128	-.059	-.148	-.258*
79	zHitRate HappyFear	.024	-.045	-.059	-.164	-.117	-.135	.140	-.053	-.189	.008	-.064	-.150
80	zHitRate Happy Target	.014	-.079	-.139	-.168	-.114	-.219*	.075	-.076	-.087	-.024	-.205*	-.139
81	zHitRate NonEmotional Distractor	-.165	-.273**	-.423**	-.378**	-.243*	-.417**	-.256*	-.371**	.024	-.327**	-.401**	-.240*
82	zHitRate NonEmotional Target	-.011	-.120	-.170	-.306**	-.174	-.433**	-.176	-.248*	-.139	-.110	-.203*	-.313**
83	zMissRate Calm Distractor	.165	.273**	.423**	.378**	.243*	.417**	.256*	.371**	-.024	.327**	.401**	.240*
84	zMissRate CalmFear	.131	.273**	.247*	.159	.092	.316**	.127	.121	.047	.171	.160	.151
85	zMissRate CalmHappy	-.054	-.002	.097	.304**	.148	.353**	.147	.222*	.121	.041	.177	.280**

		37	38	39	40	41	42	43	44	45	46	47	48
86	zMissRate Calm Target	.011	.120	.170	.306**	.174	.433**	.176	.248*	.139	.110	.203*	.313**
87	zMissRate Emotional Distractor	.024	.121	.146	.292**	.186	.396**	.128	.231*	.154	.087	.163	.293**
88	zMissRate Emotional Target	.163	.262**	.357**	.347**	.197	.298**	.216*	.325**	.064	.297**	.293**	.193
89	zMissRate FearCalm	.217*	.266**	.356**	.263**	.229*	.294**	.249*	.305**	-.092	.311**	.276**	.125
90	zMissRate Fear Distractor	.070	.223*	.189	.198	.171	.349**	.041	.134	.119	.087	.140	.206*
91	zMissRate FearHappy	.125	.138	.106	.127	.073	.055	.058	.104	.093	.113	.075	.060
92	zMissRate Fear Target	.175	.242*	.318**	.266**	.164	.222*	.272**	.313**	-.030	.310**	.226*	.111
93	zMissRate HappyCalm	.003	.125	.249*	.279**	.091	.338**	.064	.181	.059	.122	.300**	.196
94	zMissRate Happy Distractor	.027	.039	.097	.252*	.129	.322**	.109	.183	.128	.059	.148	.258*
95	zMissRate HappyFear	-.024	.045	.059	.164	.117	.135	-.140	.053	.189	-.008	.064	.150
96	zMissRate Happy Target	-.014	.079	.139	.168	.114	.219*	-.075	.076	.087	.024	.205*	.139
97	zMissRate NonEmotional Distractor	.165	.273**	.423**	.378**	.243*	.417**	.256*	.371**	-.024	.327**	.401**	.240*
98	zMissRate NonEmotional Target	.011	.120	.170	.306**	.174	.433**	.176	.248*	.139	.110	.203*	.313**
99	zRT AllRuns Hits	.301**	.431**	.524**	.481**	.278**	.463**	.360**	.400**	.265**	.438**	.397**	.396**
100	zRT Calm Distractor Hits	.280**	.383**	.481**	.442**	.269**	.410**	.300**	.357**	.249*	.394**	.389**	.369**
101	zRT Calm Target Hits	.310**	.473**	.539**	.492**	.288**	.493**	.403**	.414**	.300**	.460**	.368**	.410**
102	zRT Emotional Distractor Hits	.303**	.445**	.535**	.495**	.290**	.487**	.385**	.416**	.271**	.450**	.396**	.408**
103	zRT Emotional Target Hits	.283**	.398**	.502**	.459**	.265**	.430**	.327**	.378**	.238*	.414**	.403**	.374**
104	zRT Fear Distractor Hits	.266**	.432**	.519**	.483**	.281**	.457**	.397**	.427**	.256*	.440**	.365**	.398**
105	zRT Fear Target Hits	.315**	.423**	.540**	.524**	.282**	.471**	.341**	.408**	.253*	.443**	.439**	.412**
106	zRT Happy Distractor Hits	.325**	.445**	.530**	.487**	.286**	.491**	.354**	.387**	.280**	.440**	.407**	.419**
107	zRT Happy Target Hits	.249*	.373**	.472**	.421**	.241*	.397**	.302**	.347**	.218*	.384**	.369**	.332**
108	zRT Hits Calm	.308**	.439**	.523**	.479**	.281**	.462**	.361**	.397**	.281**	.439**	.386**	.397**
109	ZRT Hits CalmFear	.270**	.453**	.517**	.495**	.269**	.433**	.419**	.436**	.275**	.448**	.311**	.377**
110	ZRT Hits CalmHappy	.339**	.450**	.503**	.467**	.291**	.509**	.324**	.353**	.293**	.405**	.376**	.424**
111	zRT Hits Fear	.301**	.433**	.533**	.491**	.280**	.458**	.379**	.421**	.251*	.452**	.404**	.390**
112	ZRT Hits FearCalm	.328**	.412**	.531**	.522**	.300**	.468**	.329**	.400**	.259*	.435**	.440**	.421**
113	ZRT Hits FearHappy	.292**	.412**	.521**	.496**	.266**	.454**	.337**	.389**	.229*	.424**	.417**	.381**
114	zRT Hits Happy	.300**	.416**	.515**	.477**	.275**	.462**	.337**	.385**	.262**	.425**	.408**	.400**

	37	38	39	40	41	42	43	44	45	46	47	48
115 ZRT Hits HappyCalm	.214*	.330**	.408**	.374**	.242*	.359**	.223*	.288**	.233*	.312**	.328**	.314**
116 ZRT Hits HappyFear	.245*	.379**	.494**	.471**	.268**	.481**	.337**	.388**	.231*	.404**	.397**	.414**
117 zRT Hits	.301**	.431**	.524**	.481**	.278**	.463**	.360**	.400**	.265**	.438**	.397**	.396**
118 zRT Nonemotional Distractor Hits	.280**	.383**	.481**	.442**	.269**	.410**	.300**	.357**	.249*	.394**	.389**	.369**
119 zRT Nonemotional Target Hits	.310**	.473**	.539**	.492**	.288**	.493**	.403**	.414**	.300**	.460**	.368**	.410**
120 Gender	.043	.037	.045	-.006	.064	.004	.047	.045	.013	.063	.008	-.041
121 AgeYears	.011	.201*	.145	.129	.181	.239*	.067	.119	.065	.017	.104	.085

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		49	50	51	52	53	54	55	56	57	58	59	60
1	Criterion	.608**	.616**	-.608**	-.603**	-.434**	-.616**	-.724**	-.779**	-.509**	-.753**	-.548**	-.672**
2	Criterion Calm Distractor	.830**	.413**	-.830**	-.353**	-.278**	-.413**	-.529**	-.783**	-.677**	-.595**	-.312**	-.668**
3	Criterion CalmFear	.270**	.568**	-.270**	-.788**	-.249*	-.568**	-.503**	-.368**	-.297**	-.636**	-.348**	-.358**
4	Criterion CalmHappy	.336**	.621**	-.336**	-.386**	-.693**	-.621**	-.582**	-.458**	-.268**	-.483**	-.323**	-.362**
5	Criterion Calm Target	.389**	.736**	-.389**	-.656**	-.548**	-.736**	-.674**	-.524**	-.342**	-.664**	-.428**	-.466**
6	Criterion Emotional Distractor	.435**	.652**	-.435**	-.584**	-.475**	-.652**	-.767**	-.697**	-.316**	-.767**	-.579**	-.581**
7	Criterion Emotional Target	.669**	.469**	-.669**	-.374**	-.309**	-.469**	-.705**	-.869**	-.494**	-.681**	-.568**	-.728**
8	Criterion FearCalm	.603**	.372**	-.603**	-.337**	-.249*	-.372**	-.387**	-.544**	-.832**	-.385**	-.262**	-.681**
9	Criterion Fear Distractor	.444**	.533**	-.444**	-.610**	-.264**	-.533**	-.629**	-.610**	-.323**	-.849**	-.346**	-.403**
10	Criterion FearHappy	.252*	.426**	-.252*	-.372**	-.278**	-.426**	-.636**	-.604**	-.176	-.396**	-.821**	-.697**
11	Criterion Fear Target	.507**	.440**	-.507**	-.381**	-.272**	-.440**	-.608**	-.693**	-.560**	-.461**	-.653**	-.845**
12	Criterion HappyCalm	.736**	.282**	-.736**	-.236*	-.220*	-.282**	-.406**	-.675**	-.207*	-.496**	-.218*	-.318**
13	Criterion Happy Distractor	.359**	.590**	-.359**	-.433**	-.546**	-.590**	-.709**	-.622**	-.244*	-.569**	-.617**	-.586**
14	Criterion HappyFear	.430**	.341**	-.430**	-.180	-.256*	-.341**	-.622**	-.686**	-.217*	-.736**	-.258*	-.326**
15	Criterion Happy Target	.665**	.283**	-.665**	-.243*	-.203*	-.283**	-.518**	-.752**	-.271**	-.728**	-.221*	-.348**
16	Criterion NonEmotional Distractor	.830**	.413**	-.830**	-.353**	-.278**	-.413**	-.529**	-.783**	-.677**	-.595**	-.312**	-.668**
17	Criterion NonEmotional Target	.389**	.736**	-.389**	-.656**	-.548**	-.736**	-.674**	-.524**	-.342**	-.664**	-.428**	-.466**
18	DPrime	.351**	.523**	-.351**	-.245*	-.497**	-.523**	-.554**	-.421**	-.242*	-.300**	-.385**	-.381**
19	DPrime Calm Distractor	.729**	.124	-.729**	-.154	-.121	-.124	-.057	-.432**	-.445**	-.147	-.030	-.299**
20	DPrime CalmFear	.208*	.334**	-.208*	-.573**	-.123	-.334**	-.276**	-.228*	-.199	-.326**	-.224*	-.278**
21	DPrime CalmHappy	.053	.592**	-.053	-.051	-.745**	-.592**	-.425**	-.034	-.026	-.010	-.102	-.049
22	DPrime Calm Target	.094	.646**	-.094	-.229*	-.614**	-.646**	-.498**	-.121	-.080	-.147	-.176	-.144
23	DPrime Emotional Distractor	.125	.573**	-.125	-.195	-.529**	-.573**	-.670**	-.368**	-.051	-.354**	-.441**	-.326**
24	DPrime Emotional Target	.600**	.273**	-.600**	-.278**	-.210*	-.273**	-.466**	-.712**	-.350**	-.524**	-.469**	-.547**
25	DPrime FearCalm	.567**	.089	-.567**	-.188	-.021	-.089	.016	-.305**	-.705**	-.071	.004	-.417**
26	DPrime Fear Distractor	.304**	.404**	-.304**	-.405**	-.268**	-.404**	-.596**	-.555**	-.145	-.653**	-.376**	-.361**
27	DPrime FearHappy	.128	.297**	-.128	-.311**	-.163	-.297**	-.554**	-.497**	-.102	-.354**	-.817**	-.620**
28	DPrime Fear Target	.478**	.229*	-.478**	-.287**	-.122	-.229*	-.342**	-.541**	-.494**	-.290**	-.498**	-.676**

		49	50	51	52	53	54	55	56	57	58	59	60
29	DPrime HappyCalm	.632**	.188	-.632**	-.165	-.231*	-.188	-.214*	-.469**	-.127	-.231*	-.170	-.179
30	DPrime Happy Distractor	.102	.570**	-.102	-.127	-.559**	-.570**	-.615**	-.302**	-.057	-.173	-.487**	-.362**
31	DPrime HappyFear	.235*	.317**	-.235*	-.182	-.296**	-.317**	-.599**	-.565**	-.108	-.653**	-.394**	-.292**
32	DPrime Happy Target	.578**	.237*	-.578**	-.230*	-.245*	-.237*	-.439**	-.672**	-.156	-.602**	-.321**	-.313**
33	DPrime NonEmotional Distractor	.729**	.124	-.729**	-.154	-.121	-.124	-.057	-.432**	-.445**	-.147	-.030	-.299**
34	DPrime NonEmotional Target	.094	.646**	-.094	-.229*	-.614**	-.646**	-.498**	-.121	-.080	-.147	-.176	-.144
35	zCorrectRejectionRate Calm Distractor	1.000**	.361**	-1.000**	-.334**	-.265**	-.361**	-.404**	-.797**	-.728**	-.503**	-.233*	-.640**
36	zCorrectRejectionRate CalmFear	.345**	.662**	-.345**	-.985**	-.277**	-.662**	-.574**	-.436**	-.361**	-.713**	-.418**	-.458**
37	zCorrectRejectionRate CalmHappy	.264**	.837**	-.264**	-.294**	-.995**	-.837**	-.693**	-.332**	-.197	-.340**	-.288**	-.278**
38	zCorrectRejectionRate Calm Target	.361**	1.000**	-.361**	-.657**	-.834**	-1.000**	-.852**	-.482**	-.315**	-.625**	-.446**	-.454**
39	zCorrectRejectionRate Emotional Distractor	.404**	.852**	-.404**	-.561**	-.692**	-.852**	-1.000**	-.754**	-.268**	-.801**	-.718**	-.641**
40	zCorrectRejectionRate Emotional Target	.797**	.482**	-.797**	-.420**	-.334**	-.482**	-.754**	-1.000**	-.545**	-.765**	-.662**	-.812**
41	zCorrectRejectionRate FearCalm	.738**	.309**	-.738**	-.340**	-.185	-.309**	-.260**	-.550**	-.976**	-.307**	-.180	-.708**
42	zCorrectRejectionRate Fear Distractor	.503**	.625**	-.503**	-.692**	-.346**	-.625**	-.801**	-.765**	-.328**	-1.000**	-.473**	-.502**
43	zCorrectRejectionRate FearHappy	.226*	.430**	-.226*	-.405**	-.263**	-.430**	-.705**	-.654**	-.166	-.445**	-.969**	-.781**
44	zCorrectRejectionRate Fear Target	.640**	.454**	-.640**	-.443**	-.270**	-.454**	-.641**	-.812**	-.691**	-.502**	-.763**	-1.000**
45	zCorrectRejectionRate HappyCalm	.753**	.260**	-.753**	-.217*	-.248*	-.260**	-.343**	-.632**	-.181	-.404**	-.210*	-.275**
46	zCorrectRejectionRate Happy Distractor	.322**	.798**	-.322**	-.390**	-.760**	-.798**	-.912**	-.641**	-.210*	-.521**	-.762**	-.656**
47	zCorrectRejectionRate HappyFear	.381**	.374**	-.381**	-.201*	-.313**	-.374**	-.693**	-.712**	-.180	-.790**	-.363**	-.351**
48	zCorrectRejectionRate Happy Target	.714**	.299**	-.714**	-.269**	-.255*	-.299**	-.551**	-.817**	-.245*	-.770**	-.307**	-.380**
49	zCorrectRejectionRate NonEmotional Distractor	1	.361**	-1.000**	-.334**	-.265**	-.361**	-.404**	-.797**	-.728**	-.503**	-.233*	-.640**
50	zCorrectRejectionRate NonEmotional Target	.361**	1	-.361**	-.657**	-.834**	-1.000**	-.852**	-.482**	-.315**	-.625**	-.446**	-.454**
51	zFalseAlarmRate Calm Distractor	-1.000**	-.361**	1	.334**	.265**	.361**	.404**	.797**	.728**	.503**	.233*	.640**
52	zFalseAlarmRate CalmFear	-.334**	-.657**	.334**	1	.289**	.657**	.561**	.420**	.352**	.692**	.417**	.443**
53	zFalseAlarmRate CalmHappy	-.265**	-.834**	.265**	.289**	1	.834**	.692**	.334**	.191	.346**	.288**	.270**
54	zFalseAlarmRate Calm Target	-.361**	-1.000**	.361**	.657**	.834**	1	.852**	.482**	.315**	.625**	.446**	.454**
55	zFalseAlarmRate Emotional Distractor	-.404**	-.852**	.404**	.561**	.692**	.852**	1	.754**	.268**	.801**	.718**	.641**
56	zFalseAlarmRate Emotional Target	-.797**	-.482**	.797**	.420**	.334**	.482**	.754**	1	.545**	.765**	.662**	.812**

		49	50	51	52	53	54	55	56	57	58	59	60
57	zFalseAlarmRate FearCalm	-.728**	-.315**	.728**	.352**	.191	.315**	.268**	.545**	1	.328**	.161	.691**
58	zFalseAlarmRate Fear Distractor	-.503**	-.625**	.503**	.692**	.346**	.625**	.801**	.765**	.328**	1	.473**	.502**
59	zFalseAlarmRate FearHappy	-.233*	-.446**	.233*	.417**	.288**	.446**	.718**	.662**	.161	.473**	1	.763**
60	zFalseAlarmRate Fear Target	-.640**	-.454**	.640**	.443**	.270**	.454**	.641**	.812**	.691**	.502**	.763**	1
61	zFalseAlarmRate HappyCalm	-.746**	-.274**	.746**	.253*	.247*	.274**	.362**	.638**	.184	.432**	.218*	.286**
62	zFalseAlarmRate Happy Distractor	-.322**	-.798**	.322**	.390**	.760**	.798**	.912**	.641**	.210*	.521**	.762**	.656**
63	zFalseAlarmRate HappyFear	-.384**	-.364**	.384**	.194	.304**	.364**	.689**	.715**	.186	.775**	.393**	.370**
64	zFalseAlarmRate Happy Target	-.714**	-.299**	.714**	.269**	.255*	.299**	.551**	.817**	.245*	.770**	.307**	.380**
65	zFalseAlarmRate NonEmotional Distractor	-1.000**	-.361**	1.000**	.334**	.265**	.361**	.404**	.797**	.728**	.503**	.233*	.640**
66	zFalseAlarmRate NonEmotional Target	-.361**	-1.000**	.361**	.657**	.834**	1.000**	.852**	.482**	.315**	.625**	.446**	.454**
67	zHitRate Calm Distractor	-.206*	-.273**	.206*	.193	.157	.273**	.423**	.378**	.260*	.417**	.248*	.371**
68	zHitRate CalmFear	-.092	-.273**	.092	.286**	.129	.273**	.247*	.159	.117	.316**	.145	.121
69	zHitRate CalmHappy	-.200	.002	.200	.241*	-.066	-.002	.097	.304**	.171	.353**	.154	.222*
70	zHitRate Calm Target	-.224*	-.120	.224*	.331**	.003	.120	.170	.306**	.198	.433**	.199	.248*
71	zHitRate Emotional Distractor	-.252*	-.121	.252*	.313**	.014	.121	.146	.292**	.206*	.396**	.145	.231*
72	zHitRate Emotional Target	-.233*	-.262**	.233*	.150	.152	.262**	.357**	.347**	.211*	.298**	.197	.325**
73	zHitRate FearCalm	-.124	-.266**	.124	.168	.209*	.266**	.356**	.263**	.244*	.294**	.236*	.305**
74	zHitRate Fear Distractor	-.206*	-.223*	.206*	.278**	.068	.223*	.189	.198	.190	.349**	.067	.134
75	zHitRate FearHappy	-.125	-.138	.125	.073	.118	.138	.106	.127	.076	.055	.044	.104
76	zHitRate Fear Target	-.142	-.242*	.142	.151	.162	.242*	.318**	.266**	.176	.222*	.255*	.313**
77	zHitRate HappyCalm	-.162	-.125	.162	.094	-.001	.125	.249*	.279**	.105	.338**	.065	.181
78	zHitRate Happy Distractor	-.197	-.039	.197	.232*	.014	.039	.097	.252*	.142	.322**	.114	.183
79	zHitRate HappyFear	-.230*	-.045	.230*	-.007	-.030	.045	.059	.164	.123	.135	-.164	.053
80	zHitRate Happy Target	-.165	-.079	.165	.030	-.016	.079	.139	.168	.136	.219*	-.085	.076
81	zHitRate NonEmotional Distractor	-.206*	-.273**	.206*	.193	.157	.273**	.423**	.378**	.260*	.417**	.248*	.371**
82	zHitRate NonEmotional Target	-.224*	-.120	.224*	.331**	.003	.120	.170	.306**	.198	.433**	.199	.248*
83	zMissRate Calm Distractor	.206*	.273**	-.206*	-.193	-.157	-.273**	-.423**	-.378**	-.260*	-.417**	-.248*	-.371**
84	zMissRate CalmFear	.092	.273**	-.092	-.286**	-.129	-.273**	-.247*	-.159	-.117	-.316**	-.145	-.121
85	zMissRate CalmHappy	.200	-.002	-.200	-.241*	.066	.002	-.097	-.304**	-.171	-.353**	-.154	-.222*

		49	50	51	52	53	54	55	56	57	58	59	60
86	zMissRate Calm Target	.224*	.120	-.224*	-.331**	-.003	-.120	-.170	-.306**	-.198	-.433**	-.199	-.248*
87	zMissRate Emotional Distractor	.252*	.121	-.252*	-.313**	-.014	-.121	-.146	-.292**	-.206*	-.396**	-.145	-.231*
88	zMissRate Emotional Target	.233*	.262**	-.233*	-.150	-.152	-.262**	-.357**	-.347**	-.211*	-.298**	-.197	-.325**
89	zMissRate FearCalm	.124	.266**	-.124	-.168	-.209*	-.266**	-.356**	-.263**	-.244*	-.294**	-.236*	-.305**
90	zMissRate Fear Distractor	.206*	.223*	-.206*	-.278**	-.068	-.223*	-.189	-.198	-.190	-.349**	-.067	-.134
91	zMissRate FearHappy	.125	.138	-.125	-.073	-.118	-.138	-.106	-.127	-.076	-.055	-.044	-.104
92	zMissRate Fear Target	.142	.242*	-.142	-.151	-.162	-.242*	-.318**	-.266**	-.176	-.222*	-.255*	-.313**
93	zMissRate HappyCalm	.162	.125	-.162	-.094	.001	-.125	-.249*	-.279**	-.105	-.338**	-.065	-.181
94	zMissRate Happy Distractor	.197	.039	-.197	-.232*	-.014	-.039	-.097	-.252*	-.142	-.322**	-.114	-.183
95	zMissRate HappyFear	.230*	.045	-.230*	.007	.030	-.045	-.059	-.164	-.123	-.135	.164	-.053
96	zMissRate Happy Target	.165	.079	-.165	-.030	.016	-.079	-.139	-.168	-.136	-.219*	.085	-.076
97	zMissRate NonEmotional Distractor	.206*	.273**	-.206*	-.193	-.157	-.273**	-.423**	-.378**	-.260*	-.417**	-.248*	-.371**
98	zMissRate NonEmotional Target	.224*	.120	-.224*	-.331**	-.003	-.120	-.170	-.306**	-.198	-.433**	-.199	-.248*
99	zRT AllRuns Hits	.357**	.431**	-.357**	-.332**	-.288**	-.431**	-.524**	-.481**	-.265**	-.463**	-.362**	-.400**
100	zRT Calm Distractor Hits	.335**	.383**	-.335**	-.270**	-.267**	-.383**	-.481**	-.442**	-.260**	-.410**	-.300**	-.357**
101	zRT Calm Target Hits	.374**	.473**	-.374**	-.406**	-.298**	-.473**	-.539**	-.492**	-.282**	-.493**	-.405**	-.414**
102	zRT Emotional Distractor Hits	.364**	.445**	-.364**	-.362**	-.290**	-.445**	-.535**	-.495**	-.276**	-.487**	-.388**	-.416**
103	zRT Emotional Target Hits	.332**	.398**	-.332**	-.281**	-.271**	-.398**	-.502**	-.459**	-.250*	-.430**	-.328**	-.378**
104	zRT Fear Distractor Hits	.349**	.432**	-.349**	-.356**	-.253*	-.432**	-.519**	-.483**	-.264**	-.457**	-.404**	-.427**
105	zRT Fear Target Hits	.371**	.423**	-.371**	-.284**	-.302**	-.423**	-.540**	-.524**	-.270**	-.471**	-.340**	-.408**
106	zRT Happy Distractor Hits	.368**	.445**	-.368**	-.352**	-.313**	-.445**	-.530**	-.487**	-.274**	-.491**	-.353**	-.387**
107	zRT Happy Target Hits	.295**	.373**	-.295**	-.266**	-.237*	-.373**	-.472**	-.421**	-.224*	-.397**	-.307**	-.347**
108	zRT Hits Calm	.366**	.439**	-.366**	-.346**	-.296**	-.439**	-.523**	-.479**	-.273**	-.462**	-.363**	-.397**
109	ZRT Hits CalmFear	.351**	.453**	-.351**	-.398**	-.257*	-.453**	-.517**	-.495**	-.258*	-.433**	-.429**	-.436**
110	ZRT Hits CalmHappy	.372**	.450**	-.372**	-.388**	-.327**	-.450**	-.503**	-.467**	-.289**	-.509**	-.320**	-.353**
111	zRT Hits Fear	.355**	.433**	-.355**	-.322**	-.288**	-.433**	-.533**	-.491**	-.266**	-.458**	-.382**	-.421**
112	ZRT Hits FearCalm	.378**	.412**	-.378**	-.271**	-.315**	-.412**	-.531**	-.522**	-.298**	-.468**	-.323**	-.400**
113	ZRT Hits FearHappy	.333**	.412**	-.333**	-.292**	-.279**	-.412**	-.521**	-.496**	-.243*	-.454**	-.341**	-.389**
114	zRT Hits Happy	.355**	.416**	-.355**	-.312**	-.287**	-.416**	-.515**	-.477**	-.263**	-.462**	-.337**	-.385**

	49	50	51	52	53	54	55	56	57	58	59	60
115 ZRT Hits HappyCalm	.296**	.330**	-.296**	-.253*	-.202*	-.330**	-.408**	-.374**	-.228*	-.359**	-.229*	-.288**
116 ZRT Hits HappyFear	.335**	.379**	-.335**	-.295**	-.232*	-.379**	-.494**	-.471**	-.250*	-.481**	-.340**	-.388**
117 zRT Hits	.357**	.431**	-.357**	-.332**	-.288**	-.431**	-.524**	-.481**	-.265**	-.463**	-.362**	-.400**
118 zRT Nonemotional Distractor Hits	.335**	.383**	-.335**	-.270**	-.267**	-.383**	-.481**	-.442**	-.260**	-.410**	-.300**	-.357**
119 zRT Nonemotional Target Hits	.374**	.473**	-.374**	-.406**	-.298**	-.473**	-.539**	-.492**	-.282**	-.493**	-.405**	-.414**
120 Gender	.008	.037	-.008	-.073	-.059	-.037	-.045	.006	-.035	-.004	-.105	-.045
121 AgeYears	.169	.201*	-.169	-.398**	-.002	-.201*	-.145	-.129	-.171	-.239*	-.038	-.119

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		61	62	63	64	65	66	67	68	69	70	71	72
1	Criterion	-.442**	-.624**	-.534**	-.603**	-.608**	-.616**	-.497**	-.558**	-.577**	-.680**	-.710**	-.557**
2	Criterion Calm Distractor	-.536**	-.415**	-.506**	-.646**	-.830**	-.413**	-.717**	-.186	-.195	-.268**	-.295**	-.607**
3	Criterion CalmFear	-.210*	-.348**	-.237*	-.266**	-.270**	-.568**	-.255*	-.806**	-.311**	-.650**	-.599**	-.196
4	Criterion CalmHappy	-.270**	-.597**	-.328**	-.376**	-.336**	-.621**	-.185	-.253*	-.670**	-.561**	-.565**	-.273**
5	Criterion Calm Target	-.286**	-.597**	-.373**	-.409**	-.389**	-.736**	-.307**	-.652**	-.560**	-.760**	-.722**	-.320**
6	Criterion Emotional Distractor	-.352**	-.670**	-.562**	-.561**	-.435**	-.652**	-.415**	-.582**	-.580**	-.726**	-.746**	-.496**
7	Criterion Emotional Target	-.481**	-.596**	-.641**	-.662**	-.669**	-.469**	-.667**	-.190	-.324**	-.324**	-.408**	-.766**
8	Criterion FearCalm	-.094	-.330**	-.282**	-.241*	-.603**	-.372**	-.667**	-.162	-.143	-.206*	-.225*	-.531**
9	Criterion Fear Distractor	-.360**	-.389**	-.588**	-.619**	-.444**	-.533**	-.382**	-.725**	-.409**	-.707**	-.690**	-.340**
10	Criterion FearHappy	-.204*	-.689**	-.318**	-.257*	-.252*	-.426**	-.237*	-.160	-.267**	-.254*	-.324**	-.480**
11	Criterion Fear Target	-.187	-.613**	-.371**	-.316**	-.507**	-.440**	-.644**	-.153	-.259*	-.280**	-.345**	-.712**
12	Criterion HappyCalm	-.895**	-.309**	-.440**	-.785**	-.736**	-.282**	-.197	-.121	-.169	-.196	-.221*	-.255*
13	Criterion Happy Distractor	-.301**	-.746**	-.408**	-.439**	-.359**	-.590**	-.328**	-.248*	-.641**	-.559**	-.606**	-.485**
14	Criterion HappyFear	-.404**	-.390**	-.872**	-.740**	-.430**	-.341**	-.441**	-.135	-.187	-.183	-.237*	-.472**
15	Criterion Happy Target	-.694**	-.322**	-.733**	-.889**	-.665**	-.283**	-.407**	-.198	-.274**	-.315**	-.365**	-.441**
16	Criterion NonEmotional Distractor	-.536**	-.415**	-.506**	-.646**	-.830**	-.413**	-.717**	-.186	-.195	-.268**	-.295**	-.607**
17	Criterion NonEmotional Target	-.286**	-.597**	-.373**	-.409**	-.389**	-.736**	-.307**	-.652**	-.560**	-.760**	-.722**	-.320**
18	DPrime	-.337**	-.550**	-.334**	-.304**	-.351**	-.523**	.081	.363**	.482**	.539**	.610**	.248*
19	DPrime Calm Distractor	-.646**	-.052	-.050	-.456**	-.729**	-.124	.519**	.062	-.112	-.064	-.079	.338**
20	DPrime CalmFear	-.146	-.185	-.035	-.111	-.208*	-.334**	.004	.610**	-.019	.314**	.266**	-.022
21	DPrime CalmHappy	-.081	-.513**	-.098	.012	-.053	-.592**	-.057	.064	.711**	.517**	.501**	.029
22	DPrime Calm Target	-.082	-.504**	-.117	.019	-.094	-.646**	-.056	.415**	.601**	.680**	.636**	-.026
23	DPrime Emotional Distractor	-.157	-.645**	-.424**	-.209*	-.125	-.573**	-.178	.325**	.509**	.575**	.637**	.017
24	DPrime Emotional Target	-.558**	-.401**	-.481**	-.650**	-.600**	-.273**	.212*	-.042	-.131	-.135	.011	.411**
25	DPrime FearCalm	-.196	.027	.048	-.122	-.567**	-.089	.393**	.036	-.085	-.054	-.053	.307**
26	DPrime Fear Distractor	-.291**	-.417**	-.606**	-.554**	-.304**	-.404**	-.233*	.440**	-.081	.205*	.250*	-.070
27	DPrime FearHappy	-.126	-.602**	-.274**	-.205*	-.128	-.297**	-.195	-.051	.026	-.037	.118	.131
28	DPrime Fear Target	-.269**	-.363**	-.170	-.263**	-.478**	-.229*	.204*	-.012	-.053	-.071	.050	.382**

		61	62	63	64	65	66	67	68	69	70	71	72
29	DPrime HappyCalm	-.886**	-.221*	-.209*	-.654**	-.632**	-.188	.251*	.033	-.049	-.054	-.056	.148
30	DPrime Happy Distractor	-.132	-.708**	-.261**	-.100	-.102	-.570**	-.142	.011	.630**	.428**	.512**	.069
31	DPrime HappyFear	-.244*	-.418**	-.859**	-.644**	-.235*	-.317**	-.260**	-.152	-.123	-.174	-.044	-.033
32	DPrime Happy Target	-.692**	-.337**	-.615**	-.857**	-.578**	-.237*	.013	-.062	-.211*	-.226*	-.133	.139
33	DPrime NonEmotional Distractor	-.646**	-.052	-.050	-.456**	-.729**	-.124	.519**	.062	-.112	-.064	-.079	.338**
34	DPrime NonEmotional Target	-.082	-.504**	-.117	.019	-.094	-.646**	-.056	.415**	.601**	.680**	.636**	-.026
35	zCorrectRejectionRate Calm Distractor	-.746**	-.322**	-.384**	-.714**	-1.000**	-.361**	-.206*	-.092	-.200	-.224*	-.252*	-.233*
36	zCorrectRejectionRate CalmFear	-.259*	-.394**	-.213*	-.283**	-.345**	-.662**	-.204*	-.285**	-.257*	-.337**	-.324**	-.172
37	zCorrectRejectionRate CalmHappy	-.239*	-.766**	-.290**	-.244*	-.264**	-.837**	-.165	-.131	.054	-.011	-.024	-.163
38	zCorrectRejectionRate Calm Target	-.274**	-.798**	-.364**	-.299**	-.361**	-1.000**	-.273**	-.273**	.002	-.120	-.121	-.262**
39	zCorrectRejectionRate Emotional Distractor	-.362**	-.912**	-.689**	-.551**	-.404**	-.852**	-.423**	-.247*	-.097	-.170	-.146	-.357**
40	zCorrectRejectionRate Emotional Target	-.638**	-.641**	-.715**	-.817**	-.797**	-.482**	-.378**	-.159	-.304**	-.306**	-.292**	-.347**
41	zCorrectRejectionRate FearCalm	-.176	-.214*	-.170	-.237*	-.738**	-.309**	-.243*	-.092	-.148	-.174	-.186	-.197
42	zCorrectRejectionRate Fear Distractor	-.432**	-.521**	-.775**	-.770**	-.503**	-.625**	-.417**	-.316**	-.353**	-.433**	-.396**	-.298**
43	zCorrectRejectionRate FearHappy	-.197	-.766**	-.351**	-.274**	-.226*	-.430**	-.256*	-.127	-.147	-.176	-.128	-.216*
44	zCorrectRejectionRate Fear Target	-.286**	-.656**	-.370**	-.380**	-.640**	-.454**	-.371**	-.121	-.222*	-.248*	-.231*	-.325**
45	zCorrectRejectionRate HappyCalm	-.979**	-.293**	-.360**	-.793**	-.753**	-.260**	.024	-.047	-.121	-.139	-.154	-.064
46	zCorrectRejectionRate Happy Distractor	-.301**	-1.000**	-.463**	-.377**	-.322**	-.798**	-.327**	-.171	-.041	-.110	-.087	-.297**
47	zCorrectRejectionRate HappyFear	-.371**	-.458**	-.983**	-.787**	-.381**	-.374**	-.401**	-.160	-.177	-.203*	-.163	-.293**
48	zCorrectRejectionRate Happy Target	-.793**	-.377**	-.776**	-1.000**	-.714**	-.299**	-.240*	-.151	-.280**	-.313**	-.293**	-.193
49	zCorrectRejectionRate NonEmotional Distractor	-.746**	-.322**	-.384**	-.714**	-1.000**	-.361**	-.206*	-.092	-.200	-.224*	-.252*	-.233*
50	zCorrectRejectionRate NonEmotional Target	-.274**	-.798**	-.364**	-.299**	-.361**	-1.000**	-.273**	-.273**	.002	-.120	-.121	-.262**
51	zFalseAlarmRate Calm Distractor	.746**	.322**	.384**	.714**	1.000**	.361**	.206*	.092	.200	.224*	.252*	.233*
52	zFalseAlarmRate CalmFear	.253*	.390**	.194	.269**	.334**	.657**	.193	.286**	.241*	.331**	.313**	.150
53	zFalseAlarmRate CalmHappy	.247*	.760**	.304**	.255*	.265**	.834**	.157	.129	-.066	.003	.014	.152
54	zFalseAlarmRate Calm Target	.274**	.798**	.364**	.299**	.361**	1.000**	.273**	.273**	-.002	.120	.121	.262**
55	zFalseAlarmRate Emotional Distractor	.362**	.912**	.689**	.551**	.404**	.852**	.423**	.247*	.097	.170	.146	.357**
56	zFalseAlarmRate Emotional Target	.638**	.641**	.715**	.817**	.797**	.482**	.378**	.159	.304**	.306**	.292**	.347**

		61	62	63	64	65	66	67	68	69	70	71	72
57	zFalseAlarmRate FearCalm	.184	.210*	.186	.245*	.728**	.315**	.260*	.117	.171	.198	.206*	.211*
58	zFalseAlarmRate Fear Distractor	.432**	.521**	.775**	.770**	.503**	.625**	.417**	.316**	.353**	.433**	.396**	.298**
59	zFalseAlarmRate FearHappy	.218*	.762**	.393**	.307**	.233*	.446**	.248*	.145	.154	.199	.145	.197
60	zFalseAlarmRate Fear Target	.286**	.656**	.370**	.380**	.640**	.454**	.371**	.121	.222*	.248*	.231*	.325**
61	zFalseAlarmRate HappyCalm	1	.301**	.375**	.793**	.746**	.274**	.008	.081	.133	.156	.167	.083
62	zFalseAlarmRate Happy Distractor	.301**	1	.463**	.377**	.322**	.798**	.327**	.171	.041	.110	.087	.297**
63	zFalseAlarmRate HappyFear	.375**	.463**	1	.776**	.384**	.364**	.408**	.168	.160	.197	.151	.286**
64	zFalseAlarmRate Happy Target	.793**	.377**	.776**	1	.714**	.299**	.240*	.151	.280**	.313**	.293**	.193
65	zFalseAlarmRate NonEmotional Distractor	.746**	.322**	.384**	.714**	1	.361**	.206*	.092	.200	.224*	.252*	.233*
66	zFalseAlarmRate NonEmotional Target	.274**	.798**	.364**	.299**	.361**	1	.273**	.273**	-.002	.120	.121	.262**
67	zHitRate Calm Distractor	.008	.327**	.408**	.240*	.206*	.273**	1	.208*	.090	.189	.202*	.774**
68	zHitRate CalmFear	.081	.171	.168	.151	.092	.273**	.208*	1	.242*	.751**	.664**	.144
69	zHitRate CalmHappy	.133	.041	.160	.280**	.200	-.002	.090	.242*	1	.801**	.778**	.218*
70	zHitRate Calm Target	.156	.110	.197	.313**	.224*	.120	.189	.751**	.801**	1	.943**	.217*
71	zHitRate Emotional Distractor	.167	.087	.151	.293**	.252*	.121	.202*	.664**	.778**	.943**	1	.394**
72	zHitRate Emotional Target	.083	.297**	.286**	.193	.233*	.262**	.774**	.144	.218*	.217*	.394**	1
73	zHitRate FearCalm	-.062	.311**	.286**	.125	.124	.266**	.885**	.163	.068	.140	.159	.698**
74	zHitRate Fear Distractor	.139	.087	.147	.206*	.206*	.223*	.194	.895**	.312**	.754**	.767**	.258*
75	zHitRate FearHappy	.081	.113	.055	.060	.125	.138	.049	.105	.276**	.210*	.417**	.578**
76	zHitRate Fear Target	-.008	.310**	.219*	.111	.142	.242*	.703**	.126	.196	.203*	.338**	.878**
77	zHitRate HappyCalm	.059	.122	.296**	.196	.162	.125	.544**	.206*	.151	.177	.207*	.487**
78	zHitRate Happy Distractor	.132	.059	.122	.258*	.197	.039	.145	.198	.911**	.722**	.817**	.412**
79	zHitRate HappyFear	.191	-.008	.062	.150	.230*	.045	.211*	-.027	.086	.026	.238*	.489**
80	zHitRate Happy Target	.086	.024	.202*	.139	.165	.079	.453**	.150	.095	.123	.267**	.610**
81	zHitRate NonEmotional Distractor	.008	.327**	.408**	.240*	.206*	.273**	1.000**	.208*	.090	.189	.202*	.774**
82	zHitRate NonEmotional Target	.156	.110	.197	.313**	.224*	.120	.189	.751**	.801**	1.000**	.943**	.217*
83	zMissRate Calm Distractor	-.008	-.327**	-.408**	-.240*	-.206*	-.273**	-1.000**	-.208*	-.090	-.189	-.202*	-.774**
84	zMissRate CalmFear	-.081	-.171	-.168	-.151	-.092	-.273**	-.208*	-1.000**	-.242*	-.751**	-.664**	-.144
85	zMissRate CalmHappy	-.133	-.041	-.160	-.280**	-.200	.002	-.090	-.242*	-1.000**	-.801**	-.778**	-.218*

		61	62	63	64	65	66	67	68	69	70	71	72
86	zMissRate Calm Target	-.156	-.110	-.197	-.313**	-.224*	-.120	-.189	-.751**	-.801**	-1.000**	-.943**	-.217*
87	zMissRate Emotional Distractor	-.167	-.087	-.151	-.293**	-.252*	-.121	-.202*	-.664**	-.778**	-.943**	-1.000**	-.394**
88	zMissRate Emotional Target	-.083	-.297**	-.286**	-.193	-.233*	-.262**	-.774**	-.144	-.218*	-.217*	-.394**	-1.000**
89	zMissRate FearCalm	.062	-.311**	-.286**	-.125	-.124	-.266**	-.885**	-.163	-.068	-.140	-.159	-.698**
90	zMissRate Fear Distractor	-.139	-.087	-.147	-.206*	-.206*	-.223*	-.194	-.895**	-.312**	-.754**	-.767**	-.258*
91	zMissRate FearHappy	-.081	-.113	-.055	-.060	-.125	-.138	-.049	-.105	-.276**	-.210*	-.417**	-.578**
92	zMissRate Fear Target	.008	-.310**	-.219*	-.111	-.142	-.242*	-.703**	-.126	-.196	-.203*	-.338**	-.878**
93	zMissRate HappyCalm	-.059	-.122	-.296**	-.196	-.162	-.125	-.544**	-.206*	-.151	-.177	-.207*	-.487**
94	zMissRate Happy Distractor	-.132	-.059	-.122	-.258*	-.197	-.039	-.145	-.198	-.911**	-.722**	-.817**	-.412**
95	zMissRate HappyFear	-.191	.008	-.062	-.150	-.230*	-.045	-.211*	.027	-.086	-.026	-.238*	-.489**
96	zMissRate Happy Target	-.086	-.024	-.202*	-.139	-.165	-.079	-.453**	-.150	-.095	-.123	-.267**	-.610**
97	zMissRate NonEmotional Distractor	-.008	-.327**	-.408**	-.240*	-.206*	-.273**	-1.000**	-.208*	-.090	-.189	-.202*	-.774**
98	zMissRate NonEmotional Target	-.156	-.110	-.197	-.313**	-.224*	-.120	-.189	-.751**	-.801**	-1.000**	-.943**	-.217*
99	zRT AllRuns Hits	-.279**	-.438**	-.389**	-.396**	-.357**	-.431**	-.458**	-.296**	-.065	-.207*	-.201*	-.364**
100	zRT Calm Distractor Hits	-.261**	-.394**	-.380**	-.369**	-.335**	-.383**	-.479**	-.214*	.013	-.108	-.108	-.368**
101	zRT Calm Target Hits	-.317**	-.460**	-.359**	-.410**	-.374**	-.473**	-.399**	-.395**	-.146	-.319**	-.301**	-.322**
102	zRT Emotional Distractor Hits	-.287**	-.450**	-.388**	-.408**	-.364**	-.445**	-.438**	-.335**	-.109	-.260**	-.250*	-.351**
103	zRT Emotional Target Hits	-.250*	-.414**	-.395**	-.374**	-.332**	-.398**	-.473**	-.238*	-.014	-.141	-.137	-.374**
104	zRT Fear Distractor Hits	-.266**	-.440**	-.359**	-.398**	-.349**	-.432**	-.468**	-.328**	-.107	-.289**	-.269**	-.365**
105	zRT Fear Target Hits	-.267**	-.443**	-.434**	-.412**	-.371**	-.423**	-.467**	-.229*	-.037	-.154	-.162	-.402**
106	zRT Happy Distractor Hits	-.302**	-.440**	-.397**	-.419**	-.368**	-.445**	-.397**	-.326**	-.128	-.259*	-.252*	-.329**
107	zRT Happy Target Hits	-.228*	-.384**	-.358**	-.332**	-.295**	-.373**	-.490**	-.240*	.009	-.119	-.108	-.369**
108	zRT Hits Calm	-.296**	-.439**	-.376**	-.397**	-.366**	-.439**	-.452**	-.310**	-.069	-.217*	-.210*	-.357**
109	ZRT Hits CalmFear	-.289**	-.448**	-.306**	-.377**	-.351**	-.453**	-.422**	-.367**	-.111	-.322**	-.308**	-.362**
110	ZRT Hits CalmHappy	-.316**	-.405**	-.363**	-.424**	-.372**	-.450**	-.352**	-.345**	-.192	-.305**	-.293**	-.266**
111	zRT Hits Fear	-.262**	-.452**	-.398**	-.390**	-.355**	-.433**	-.470**	-.281**	-.054	-.198	-.195	-.384**
112	ZRT Hits FearCalm	-.267**	-.435**	-.438**	-.421**	-.378**	-.412**	-.489**	-.175	-.026	-.117	-.130	-.398**
113	ZRT Hits FearHappy	-.249*	-.424**	-.410**	-.381**	-.333**	-.412**	-.416**	-.257*	-.046	-.174	-.180	-.380**
114	zRT Hits Happy	-.277**	-.425**	-.399**	-.400**	-.355**	-.416**	-.459**	-.272**	-.061	-.187	-.182	-.359**

		61	62	63	64	65	66	67	68	69	70	71	72
115	ZRT Hits HappyCalm	-.250*	-.312**	-.314**	-.314**	-.296**	-.330**	-.443**	-.260*	.032	-.110	-.105	-.336**
116	ZRT Hits HappyFear	-.237*	-.404**	-.389**	-.414**	-.335**	-.379**	-.485**	-.259*	-.092	-.235*	-.210*	-.354**
117	zRT Hits	-.279**	-.438**	-.389**	-.396**	-.357**	-.431**	-.458**	-.296**	-.065	-.207*	-.201*	-.364**
118	zRT Nonemotional Distractor Hits	-.261**	-.394**	-.380**	-.369**	-.335**	-.383**	-.479**	-.214*	.013	-.108	-.108	-.368**
119	zRT Nonemotional Target Hits	-.317**	-.460**	-.359**	-.410**	-.374**	-.473**	-.399**	-.395**	-.146	-.319**	-.301**	-.322**
120	Gender	-.029	-.063	.009	.041	-.008	-.037	-.066	.093	.090	.091	.100	-.026
121	AgeYears	-.115	-.017	-.096	-.085	-.169	-.201*	-.163	-.065	-.151	-.102	-.139	-.284**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		73	74	75	76	77	78	79	80	81	82	83	84
1	Criterion	-.443**	-.577**	-.344**	-.469**	-.356**	-.567**	-.264**	-.316**	-.497**	-.680**	.497**	.558**
2	Criterion Calm Distractor	-.604**	-.257*	-.119	-.502**	-.422**	-.223*	-.280**	-.376**	-.717**	-.268**	.717**	.186
3	Criterion CalmFear	-.208*	-.737**	-.122	-.182	-.189	-.275**	.009	-.125	-.255*	-.650**	.255*	.806**
4	Criterion CalmHappy	-.211*	-.258*	-.289**	-.266**	-.106	-.659**	-.038	-.056	-.185	-.561**	.185	.253*
5	Criterion Calm Target	-.271**	-.619**	-.234*	-.297**	-.202*	-.518**	-.044	-.136	-.307**	-.760**	.307**	.652**
6	Criterion Emotional Distractor	-.345**	-.597**	-.346**	-.433**	-.300**	-.594**	-.179	-.267**	-.415**	-.726**	.415**	.582**
7	Criterion Emotional Target	-.567**	-.271**	-.405**	-.646**	-.449**	-.390**	-.363**	-.437**	-.667**	-.324**	.667**	.190
8	Criterion FearCalm	-.718**	-.185	-.115	-.564**	-.140	-.179	-.090	-.154	-.667**	-.206*	.667**	.162
9	Criterion Fear Distractor	-.252*	-.792**	-.131	-.218*	-.377**	-.387**	-.283**	-.356**	-.382**	-.707**	.382**	.725**
10	Criterion FearHappy	-.261*	-.121	-.570**	-.541**	-.073	-.371**	.041	-.024	-.237*	-.254*	.237*	.160
11	Criterion Fear Target	-.659**	-.162	-.415**	-.773**	-.199	-.354**	-.099	-.170	-.644**	-.280**	.644**	.153
12	Criterion HappyCalm	.040	-.218*	-.101	-.029	-.461**	-.168	-.345**	-.386**	-.197	-.196	.197	.121
13	Criterion Happy Distractor	-.324**	-.262**	-.442**	-.493**	-.173	-.708**	-.082	-.117	-.328**	-.559**	.328**	.248*
14	Criterion HappyFear	-.255*	-.265**	-.131	-.246*	-.457**	-.186	-.517**	-.544**	-.441**	-.183	.441**	.135
15	Criterion Happy Target	-.162	-.344**	-.127	-.189	-.512**	-.282**	-.497**	-.577**	-.407**	-.315**	.407**	.198
16	Criterion NonEmotional Distractor	-.604**	-.257*	-.119	-.502**	-.422**	-.223*	-.280**	-.376**	-.717**	-.268**	.717**	.186
17	Criterion NonEmotional Target	-.271**	-.619**	-.234*	-.297**	-.202*	-.518**	-.044	-.136	-.307**	-.760**	.307**	.652**
18	DPrime	.077	.428**	.275**	.220*	.130	.521**	.173	.220*	.081	.539**	-.081	-.363**
19	DPrime Calm Distractor	.495**	-.044	-.074	.368**	.237*	-.071	-.052	.172	.519**	-.064	-.519**	-.062
20	DPrime CalmFear	-.009	.522**	.014	-.032	.082	-.047	-.032	.080	.004	.314**	-.004	-.610**
21	DPrime CalmHappy	-.108	.157	.095	.006	.097	.587**	.078	.072	-.057	.517**	.057	-.064
22	DPrime Calm Target	-.088	.447**	.060	-.023	.043	.526**	-.017	.036	-.056	.680**	.056	-.415**
23	DPrime Emotional Distractor	-.153	.446**	.231*	.006	-.039	.538**	.135	.092	-.178	.575**	.178	-.325**
24	DPrime Emotional Target	.264**	.000	.305**	.399**	.093	.063	.207*	.293**	.212*	-.135	-.212*	.042
25	DPrime FearCalm	.489**	-.075	.013	.406**	.012	-.008	-.096	-.013	.393**	-.054	-.393**	-.036
26	DPrime Fear Distractor	-.184	.482**	.084	-.103	-.096	-.048	.135	.101	-.233*	.205*	.233*	-.440**
27	DPrime FearHappy	-.158	.056	.500**	.098	-.033	.203*	.200	.155	-.195	-.037	.195	.051
28	DPrime Fear Target	.345**	-.023	.379**	.488**	-.060	.151	.039	.094	.204*	-.071	-.204*	.012

		73	74	75	76	77	78	79	80	81	82	83	84
29	DPrime HappyCalm	.130	.008	-.070	.086	.371**	-.063	.011	.243*	.251*	-.054	-.251*	-.033
30	DPrime Happy Distractor	-.121	.159	.296**	.059	.002	.663**	.110	.087	-.142	.428**	.142	-.011
31	DPrime HappyFear	-.241*	.027	-.005	-.149	-.060	-.072	.430**	.203*	-.260**	-.174	.260**	.152
32	DPrime Happy Target	-.055	.010	.027	.007	.213*	-.162	.302**	.392**	.013	-.226*	-.013	.062
33	DPrime NonEmotional Distractor	.495**	-.044	-.074	.368**	.237*	-.071	-.052	.172	.519**	-.064	-.519**	-.062
34	DPrime NonEmotional Target	-.088	.447**	.060	-.023	.043	.526**	-.017	.036	-.056	.680**	.056	-.415**
35	zCorrectRejectionRate Calm Distractor	-.124	-.206*	-.125	-.142	-.162	-.197	-.230*	-.165	-.206*	-.224*	.206*	.092
36	zCorrectRejectionRate CalmFear	-.174	-.282**	-.090	-.167	-.104	-.252*	-.013	-.053	-.204*	-.337**	.204*	.285**
37	zCorrectRejectionRate CalmHappy	-.217*	-.070	-.125	-.175	-.003	-.027	.024	.014	-.165	-.011	.165	.131
38	zCorrectRejectionRate Calm Target	-.266**	-.223*	-.138	-.242*	-.125	-.039	-.045	-.079	-.273**	-.120	.273**	.273**
39	zCorrectRejectionRate Emotional Distractor	-.356**	-.189	-.106	-.318**	-.249*	-.097	-.059	-.139	-.423**	-.170	.423**	.247*
40	zCorrectRejectionRate Emotional Target	-.263**	-.198	-.127	-.266**	-.279**	-.252*	-.164	-.168	-.378**	-.306**	.378**	.159
41	zCorrectRejectionRate FearCalm	-.229*	-.171	-.073	-.164	-.091	-.129	-.117	-.114	-.243*	-.174	.243*	.092
42	zCorrectRejectionRate Fear Distractor	-.294**	-.349**	-.055	-.222*	-.338**	-.322**	-.135	-.219*	-.417**	-.433**	.417**	.316**
43	zCorrectRejectionRate FearHappy	-.249*	-.041	-.058	-.272**	-.064	-.109	.140	.075	-.256*	-.176	.256*	.127
44	zCorrectRejectionRate Fear Target	-.305**	-.134	-.104	-.313**	-.181	-.183	-.053	-.076	-.371**	-.248*	.371**	.121
45	zCorrectRejectionRate HappyCalm	.092	-.119	-.093	.030	-.059	-.128	-.189	-.087	.024	-.139	-.024	.047
46	zCorrectRejectionRate Happy Distractor	-.311**	-.087	-.113	-.310**	-.122	-.059	.008	-.024	-.327**	-.110	.327**	.171
47	zCorrectRejectionRate HappyFear	-.276**	-.140	-.075	-.226*	-.300**	-.148	-.064	-.205*	-.401**	-.203*	.401**	.160
48	zCorrectRejectionRate Happy Target	-.125	-.206*	-.060	-.111	-.196	-.258*	-.150	-.139	-.240*	-.313**	.240*	.151
49	zCorrectRejectionRate NonEmotional Distractor	-.124	-.206*	-.125	-.142	-.162	-.197	-.230*	-.165	-.206*	-.224*	.206*	.092
50	zCorrectRejectionRate NonEmotional Target	-.266**	-.223*	-.138	-.242*	-.125	-.039	-.045	-.079	-.273**	-.120	.273**	.273**
51	zFalseAlarmRate Calm Distractor	.124	.206*	.125	.142	.162	.197	.230*	.165	.206*	.224*	-.206*	-.092
52	zFalseAlarmRate CalmFear	.168	.278**	.073	.151	.094	.232*	-.007	.030	.193	.331**	-.193	-.286**
53	zFalseAlarmRate CalmHappy	.209*	.068	.118	.162	-.001	.014	-.030	-.016	.157	.003	-.157	-.129
54	zFalseAlarmRate Calm Target	.266**	.223*	.138	.242*	.125	.039	.045	.079	.273**	.120	-.273**	-.273**
55	zFalseAlarmRate Emotional Distractor	.356**	.189	.106	.318**	.249*	.097	.059	.139	.423**	.170	-.423**	-.247*
56	zFalseAlarmRate Emotional Target	.263**	.198	.127	.266**	.279**	.252*	.164	.168	.378**	.306**	-.378**	-.159

		73	74	75	76	77	78	79	80	81	82	83	84
57	zFalseAlarmRate FearCalm	.244*	.190	.076	.176	.105	.142	.123	.136	.260*	.198	-.260*	-.117
58	zFalseAlarmRate Fear Distractor	.294**	.349**	.055	.222*	.338**	.322**	.135	.219*	.417**	.433**	-.417**	-.316**
59	zFalseAlarmRate FearHappy	.236*	.067	.044	.255*	.065	.114	-.164	-.085	.248*	.199	-.248*	-.145
60	zFalseAlarmRate Fear Target	.305**	.134	.104	.313**	.181	.183	.053	.076	.371**	.248*	-.371**	-.121
61	zFalseAlarmRate HappyCalm	-.062	.139	.081	-.008	.059	.132	.191	.086	.008	.156	-.008	-.081
62	zFalseAlarmRate Happy Distractor	.311**	.087	.113	.310**	.122	.059	-.008	.024	.327**	.110	-.327**	-.171
63	zFalseAlarmRate HappyFear	.286**	.147	.055	.219*	.296**	.122	.062	.202*	.408**	.197	-.408**	-.168
64	zFalseAlarmRate Happy Target	.125	.206*	.060	.111	.196	.258*	.150	.139	.240*	.313**	-.240*	-.151
65	zFalseAlarmRate NonEmotional Distractor	.124	.206*	.125	.142	.162	.197	.230*	.165	.206*	.224*	-.206*	-.092
66	zFalseAlarmRate NonEmotional Target	.266**	.223*	.138	.242*	.125	.039	.045	.079	.273**	.120	-.273**	-.273**
67	zHitRate Calm Distractor	.885**	.194	.049	.703**	.544**	.145	.211*	.453**	1.000**	.189	-1.000**	-.208*
68	zHitRate CalmFear	.163	.895**	.105	.126	.206*	.198	-.027	.150	.208*	.751**	-.208*	-1.000**
69	zHitRate CalmHappy	.068	.312**	.276**	.196	.151	.911**	.086	.095	.090	.801**	-.090	-.242*
70	zHitRate Calm Target	.140	.754**	.210*	.203*	.177	.722**	.026	.123	.189	1.000**	-.189	-.751**
71	zHitRate Emotional Distractor	.159	.767**	.417**	.338**	.207*	.817**	.238*	.267**	.202*	.943**	-.202*	-.664**
72	zHitRate Emotional Target	.698**	.258*	.578**	.878**	.487**	.412**	.489**	.610**	.774**	.217*	-.774**	-.144
73	zHitRate FearCalm	1	.104	.106	.800**	.123	.155	.009	.120	.885**	.140	-.885**	-.163
74	zHitRate Fear Distractor	.104	1	.166	.129	.281**	.314**	.332**	.378**	.194	.754**	-.194	-.895**
75	zHitRate FearHappy	.106	.166	1	.608**	.040	.540**	.144	.164	.049	.210*	-.049	-.105
76	zHitRate Fear Target	.800**	.129	.608**	1	.137	.411**	.115	.212*	.703**	.203*	-.703**	-.126
77	zHitRate HappyCalm	.123	.281**	.040	.137	1	.131	.433**	.758**	.544**	.177	-.544**	-.206*
78	zHitRate Happy Distractor	.155	.314**	.540**	.411**	.131	1	.142	.149	.145	.722**	-.145	-.198
79	zHitRate HappyFear	.009	.332**	.144	.115	.433**	.142	1	.800**	.211*	.026	-.211*	.027
80	zHitRate Happy Target	.120	.378**	.164	.212*	.758**	.149	.800**	1	.453**	.123	-.453**	-.150
81	zHitRate NonEmotional Distractor	.885**	.194	.049	.703**	.544**	.145	.211*	.453**	1	.189	-1.000**	-.208*
82	zHitRate NonEmotional Target	.140	.754**	.210*	.203*	.177	.722**	.026	.123	.189	1	-.189	-.751**
83	zMissRate Calm Distractor	-.885**	-.194	-.049	-.703**	-.544**	-.145	-.211*	-.453**	-1.000**	-.189	1	.208*
84	zMissRate CalmFear	-.163	-.895**	-.105	-.126	-.206*	-.198	.027	-.150	-.208*	-.751**	.208*	1
85	zMissRate CalmHappy	-.068	-.312**	-.276**	-.196	-.151	-.911**	-.086	-.095	-.090	-.801**	.090	.242*

		73	74	75	76	77	78	79	80	81	82	83	84
86	zMissRate Calm Target	-.140	-.754**	-.210*	-.203*	-.177	-.722**	-.026	-.123	-.189	-1.000**	.189	.751**
87	zMissRate Emotional Distractor	-.159	-.767**	-.417**	-.338**	-.207*	-.817**	-.238*	-.267**	-.202*	-.943**	.202*	.664**
88	zMissRate Emotional Target	-.698**	-.258*	-.578**	-.878**	-.487**	-.412**	-.489**	-.610**	-.774**	-.217*	.774**	.144
89	zMissRate FearCalm	-1.000**	-.104	-.106	-.800**	-.123	-.155	-.009	-.120	-.885**	-.140	.885**	.163
90	zMissRate Fear Distractor	-.104	-1.000**	-.166	-.129	-.281**	-.314**	-.332**	-.378**	-.194	-.754**	.194	.895**
91	zMissRate FearHappy	-.106	-.166	-1.000**	-.608**	-.040	-.540**	-.144	-.164	-.049	-.210*	.049	.105
92	zMissRate Fear Target	-.800**	-.129	-.608**	-1.000**	-.137	-.411**	-.115	-.212*	-.703**	-.203*	.703**	.126
93	zMissRate HappyCalm	-.123	-.281**	-.040	-.137	-1.000**	-.131	-.433**	-.758**	-.544**	-.177	.544**	.206*
94	zMissRate Happy Distractor	-.155	-.314**	-.540**	-.411**	-.131	-1.000**	-.142	-.149	-.145	-.722**	.145	.198
95	zMissRate HappyFear	-.009	-.332**	-.144	-.115	-.433**	-.142	-1.000**	-.800**	-.211*	-.026	.211*	-.027
96	zMissRate Happy Target	-.120	-.378**	-.164	-.212*	-.758**	-.149	-.800**	-1.000**	-.453**	-.123	.453**	.150
97	zMissRate NonEmotional Distractor	-.885**	-.194	-.049	-.703**	-.544**	-.145	-.211*	-.453**	-1.000**	-.189	1.000**	.208*
98	zMissRate NonEmotional Target	-.140	-.754**	-.210*	-.203*	-.177	-.722**	-.026	-.123	-.189	-1.000**	.189	.751**
99	zRT AllRuns Hits	-.465**	-.257*	-.067	-.379**	-.069	-.106	-.083	-.142	-.458**	-.207*	.458**	.296**
100	zRT Calm Distractor Hits	-.476**	-.180	-.038	-.375**	-.077	-.036	-.085	-.155	-.479**	-.108	.479**	.214*
101	zRT Calm Target Hits	-.451**	-.331**	-.090	-.363**	-.027	-.165	-.068	-.091	-.399**	-.319**	.399**	.395**
102	zRT Emotional Distractor Hits	-.463**	-.295**	-.077	-.371**	-.062	-.143	-.081	-.130	-.438**	-.260**	.438**	.335**
103	zRT Emotional Target Hits	-.460**	-.207*	-.051	-.373**	-.094	-.060	-.093	-.168	-.473**	-.141	.473**	.238*
104	zRT Fear Distractor Hits	-.483**	-.294**	-.067	-.386**	-.076	-.142	-.090	-.139	-.468**	-.289**	.468**	.328**
105	zRT Fear Target Hits	-.454**	-.209*	-.101	-.393**	-.081	-.091	-.110	-.157	-.467**	-.154	.467**	.229*
106	zRT Happy Distractor Hits	-.429**	-.282**	-.086	-.349**	-.040	-.163	-.067	-.114	-.397**	-.259*	.397**	.326**
107	zRT Happy Target Hits	-.463**	-.207*	-.005	-.350**	-.137	-.027	-.110	-.201*	-.490**	-.119	.490**	.240*
108	zRT Hits Calm	-.474**	-.263**	-.070	-.383**	-.050	-.110	-.075	-.124	-.452**	-.217*	.452**	.310**
109	ZRT Hits CalmFear	-.474**	-.311**	-.135	-.407**	.025	-.153	-.056	-.050	-.422**	-.322**	.422**	.367**
110	ZRT Hits CalmHappy	-.404**	-.305**	-.034	-.290**	-.018	-.216*	-.055	-.082	-.352**	-.305**	.352**	.345**
111	zRT Hits Fear	-.473**	-.248*	-.088	-.399**	-.073	-.099	-.090	-.147	-.470**	-.198	.470**	.281**
112	ZRT Hits FearCalm	-.490**	-.165	-.064	-.395**	-.056	-.076	-.110	-.143	-.489**	-.117	.489**	.175
113	ZRT Hits FearHappy	-.409**	-.230*	-.123	-.368**	-.069	-.103	-.097	-.145	-.416**	-.174	.416**	.257*
114	zRT Hits Happy	-.457**	-.240*	-.050	-.365**	-.082	-.100	-.088	-.154	-.459**	-.187	.459**	.272**

		73	74	75	76	77	78	79	80	81	82	83	84
115	ZRT Hits HappyCalm	-.430**	-.232*	-.012	-.324**	-.108	-.010	-.104	-.174	-.443**	-.110	.443**	.260*
116	ZRT Hits HappyFear	-.452**	-.261*	.009	-.334**	-.148	-.112	-.117	-.202*	-.485**	-.235*	.485**	.259*
117	zRT Hits	-.465**	-.257*	-.067	-.379**	-.069	-.106	-.083	-.142	-.458**	-.207*	.458**	.296**
118	zRT Nonemotional Distractor Hits	-.476**	-.180	-.038	-.375**	-.077	-.036	-.085	-.155	-.479**	-.108	.479**	.214*
119	zRT Nonemotional Target Hits	-.451**	-.331**	-.090	-.363**	-.027	-.165	-.068	-.091	-.399**	-.319**	.399**	.395**
120	Gender	-.063	.097	.032	-.016	-.040	.046	.015	-.052	-.066	.091	.066	-.093
121	AgeYears	-.212*	-.055	-.278**	-.305**	-.024	-.207*	-.046	-.050	-.163	-.102	.163	.065

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		85	86	87	88	89	90	91	92	93	94	95	96
1	Criterion	.577**	.680**	.710**	.557**	.443**	.577**	.344**	.469**	.356**	.567**	.264**	.316**
2	Criterion Calm Distractor	.195	.268**	.295**	.607**	.604**	.257*	.119	.502**	.422**	.223*	.280**	.376**
3	Criterion CalmFear	.311**	.650**	.599**	.196	.208*	.737**	.122	.182	.189	.275**	-.009	.125
4	Criterion CalmHappy	.670**	.561**	.565**	.273**	.211*	.258*	.289**	.266**	.106	.659**	.038	.056
5	Criterion Calm Target	.560**	.760**	.722**	.320**	.271**	.619**	.234*	.297**	.202*	.518**	.044	.136
6	Criterion Emotional Distractor	.580**	.726**	.746**	.496**	.345**	.597**	.346**	.433**	.300**	.594**	.179	.267**
7	Criterion Emotional Target	.324**	.324**	.408**	.766**	.567**	.271**	.405**	.646**	.449**	.390**	.363**	.437**
8	Criterion FearCalm	.143	.206*	.225*	.531**	.718**	.185	.115	.564**	.140	.179	.090	.154
9	Criterion Fear Distractor	.409**	.707**	.690**	.340**	.252*	.792**	.131	.218*	.377**	.387**	.283**	.356**
10	Criterion FearHappy	.267**	.254*	.324**	.480**	.261*	.121	.570**	.541**	.073	.371**	-.041	.024
11	Criterion Fear Target	.259*	.280**	.345**	.712**	.659**	.162	.415**	.773**	.199	.354**	.099	.170
12	Criterion HappyCalm	.169	.196	.221*	.255*	-.040	.218*	.101	.029	.461**	.168	.345**	.386**
13	Criterion Happy Distractor	.641**	.559**	.606**	.485**	.324**	.262**	.442**	.493**	.173	.708**	.082	.117
14	Criterion HappyFear	.187	.183	.237*	.472**	.255*	.265**	.131	.246*	.457**	.186	.517**	.544**
15	Criterion Happy Target	.274**	.315**	.365**	.441**	.162	.344**	.127	.189	.512**	.282**	.497**	.577**
16	Criterion NonEmotional Distractor	.195	.268**	.295**	.607**	.604**	.257*	.119	.502**	.422**	.223*	.280**	.376**
17	Criterion NonEmotional Target	.560**	.760**	.722**	.320**	.271**	.619**	.234*	.297**	.202*	.518**	.044	.136
18	DPrime	-.482**	-.539**	-.610**	-.248*	-.077	-.428**	-.275**	-.220*	-.130	-.521**	-.173	-.220*
19	DPrime Calm Distractor	.112	.064	.079	-.338**	-.495**	.044	.074	-.368**	-.237*	.071	.052	-.172
20	DPrime CalmFear	.019	-.314**	-.266**	.022	.009	-.522**	-.014	.032	-.082	.047	.032	-.080
21	DPrime CalmHappy	-.711**	-.517**	-.501**	-.029	.108	-.157	-.095	-.006	-.097	-.587**	-.078	-.072
22	DPrime Calm Target	-.601**	-.680**	-.636**	.026	.088	-.447**	-.060	.023	-.043	-.526**	.017	-.036
23	DPrime Emotional Distractor	-.509**	-.575**	-.637**	-.017	.153	-.446**	-.231*	-.006	.039	-.538**	-.135	-.092
24	DPrime Emotional Target	.131	.135	-.011	-.411**	-.264**	.000	-.305**	-.399**	-.093	-.063	-.207*	-.293**
25	DPrime FearCalm	.085	.054	.053	-.307**	-.489**	.075	-.013	-.406**	-.012	.008	.096	.013
26	DPrime Fear Distractor	.081	-.205*	-.250*	.070	.184	-.482**	-.084	.103	.096	.048	-.135	-.101
27	DPrime FearHappy	-.026	.037	-.118	-.131	.158	-.056	-.500**	-.098	.033	-.203*	-.200	-.155
28	DPrime Fear Target	.053	.071	-.050	-.382**	-.345**	.023	-.379**	-.488**	.060	-.151	-.039	-.094

		85	86	87	88	89	90	91	92	93	94	95	96
29	DPrime HappyCalm	.049	.054	.056	-.148	-.130	-.008	.070	-.086	-.371**	.063	-.011	-.243*
30	DPrime Happy Distractor	-.630**	-.428**	-.512**	-.069	.121	-.159	-.296**	-.059	-.002	-.663**	-.110	-.087
31	DPrime HappyFear	.123	.174	.044	.033	.241*	-.027	.005	.149	.060	.072	-.430**	-.203*
32	DPrime Happy Target	.211*	.226*	.133	-.139	.055	-.010	-.027	-.007	-.213*	.162	-.302**	-.392**
33	DPrime NonEmotional Distractor	.112	.064	.079	-.338**	-.495**	.044	.074	-.368**	-.237*	.071	.052	-.172
34	DPrime NonEmotional Target	-.601**	-.680**	-.636**	.026	.088	-.447**	-.060	.023	-.043	-.526**	.017	-.036
35	zCorrectRejectionRate Calm Distractor	.200	.224*	.252*	.233*	.124	.206*	.125	.142	.162	.197	.230*	.165
36	zCorrectRejectionRate CalmFear	.257*	.337**	.324**	.172	.174	.282**	.090	.167	.104	.252*	.013	.053
37	zCorrectRejectionRate CalmHappy	-.054	.011	.024	.163	.217*	.070	.125	.175	.003	.027	-.024	-.014
38	zCorrectRejectionRate Calm Target	-.002	.120	.121	.262**	.266**	.223*	.138	.242*	.125	.039	.045	.079
39	zCorrectRejectionRate Emotional Distractor	.097	.170	.146	.357**	.356**	.189	.106	.318**	.249*	.097	.059	.139
40	zCorrectRejectionRate Emotional Target	.304**	.306**	.292**	.347**	.263**	.198	.127	.266**	.279**	.252*	.164	.168
41	zCorrectRejectionRate FearCalm	.148	.174	.186	.197	.229*	.171	.073	.164	.091	.129	.117	.114
42	zCorrectRejectionRate Fear Distractor	.353**	.433**	.396**	.298**	.294**	.349**	.055	.222*	.338**	.322**	.135	.219*
43	zCorrectRejectionRate FearHappy	.147	.176	.128	.216*	.249*	.041	.058	.272**	.064	.109	-.140	-.075
44	zCorrectRejectionRate Fear Target	.222*	.248*	.231*	.325**	.305**	.134	.104	.313**	.181	.183	.053	.076
45	zCorrectRejectionRate HappyCalm	.121	.139	.154	.064	-.092	.119	.093	-.030	.059	.128	.189	.087
46	zCorrectRejectionRate Happy Distractor	.041	.110	.087	.297**	.311**	.087	.113	.310**	.122	.059	-.008	.024
47	zCorrectRejectionRate HappyFear	.177	.203*	.163	.293**	.276**	.140	.075	.226*	.300**	.148	.064	.205*
48	zCorrectRejectionRate Happy Target	.280**	.313**	.293**	.193	.125	.206*	.060	.111	.196	.258*	.150	.139
49	zCorrectRejectionRate NonEmotional Distractor	.200	.224*	.252*	.233*	.124	.206*	.125	.142	.162	.197	.230*	.165
50	zCorrectRejectionRate NonEmotional Target	-.002	.120	.121	.262**	.266**	.223*	.138	.242*	.125	.039	.045	.079
51	zFalseAlarmRate Calm Distractor	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125	-.142	-.162	-.197	-.230*	-.165
52	zFalseAlarmRate CalmFear	-.241*	-.331**	-.313**	-.150	-.168	-.278**	-.073	-.151	-.094	-.232*	.007	-.030
53	zFalseAlarmRate CalmHappy	.066	-.003	-.014	-.152	-.209*	-.068	-.118	-.162	.001	-.014	.030	.016
54	zFalseAlarmRate Calm Target	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138	-.242*	-.125	-.039	-.045	-.079
55	zFalseAlarmRate Emotional Distractor	-.097	-.170	-.146	-.357**	-.356**	-.189	-.106	-.318**	-.249*	-.097	-.059	-.139
56	zFalseAlarmRate Emotional Target	-.304**	-.306**	-.292**	-.347**	-.263**	-.198	-.127	-.266**	-.279**	-.252*	-.164	-.168

		85	86	87	88	89	90	91	92	93	94	95	96
57	zFalseAlarmRate FearCalm	-.171	-.198	-.206*	-.211*	-.244*	-.190	-.076	-.176	-.105	-.142	-.123	-.136
58	zFalseAlarmRate Fear Distractor	-.353**	-.433**	-.396**	-.298**	-.294**	-.349**	-.055	-.222*	-.338**	-.322**	-.135	-.219*
59	zFalseAlarmRate FearHappy	-.154	-.199	-.145	-.197	-.236*	-.067	-.044	-.255*	-.065	-.114	.164	.085
60	zFalseAlarmRate Fear Target	-.222*	-.248*	-.231*	-.325**	-.305**	-.134	-.104	-.313**	-.181	-.183	-.053	-.076
61	zFalseAlarmRate HappyCalm	-.133	-.156	-.167	-.083	.062	-.139	-.081	.008	-.059	-.132	-.191	-.086
62	zFalseAlarmRate Happy Distractor	-.041	-.110	-.087	-.297**	-.311**	-.087	-.113	-.310**	-.122	-.059	.008	-.024
63	zFalseAlarmRate HappyFear	-.160	-.197	-.151	-.286**	-.286**	-.147	-.055	-.219*	-.296**	-.122	-.062	-.202*
64	zFalseAlarmRate Happy Target	-.280**	-.313**	-.293**	-.193	-.125	-.206*	-.060	-.111	-.196	-.258*	-.150	-.139
65	zFalseAlarmRate NonEmotional Distractor	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125	-.142	-.162	-.197	-.230*	-.165
66	zFalseAlarmRate NonEmotional Target	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138	-.242*	-.125	-.039	-.045	-.079
67	zHitRate Calm Distractor	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049	-.703**	-.544**	-.145	-.211*	-.453**
68	zHitRate CalmFear	-.242*	-.751**	-.664**	-.144	-.163	-.895**	-.105	-.126	-.206*	-.198	.027	-.150
69	zHitRate CalmHappy	-1.000**	-.801**	-.778**	-.218*	-.068	-.312**	-.276**	-.196	-.151	-.911**	-.086	-.095
70	zHitRate Calm Target	-.801**	-1.000**	-.943**	-.217*	-.140	-.754**	-.210*	-.203*	-.177	-.722**	-.026	-.123
71	zHitRate Emotional Distractor	-.778**	-.943**	-1.000**	-.394**	-.159	-.767**	-.417**	-.338**	-.207*	-.817**	-.238*	-.267**
72	zHitRate Emotional Target	-.218*	-.217*	-.394**	-1.000**	-.698**	-.258*	-.578**	-.878**	-.487**	-.412**	-.489**	-.610**
73	zHitRate FearCalm	-.068	-.140	-.159	-.698**	-1.000**	-.104	-.106	-.800**	-.123	-.155	-.009	-.120
74	zHitRate Fear Distractor	-.312**	-.754**	-.767**	-.258*	-.104	-1.000**	-.166	-.129	-.281**	-.314**	-.332**	-.378**
75	zHitRate FearHappy	-.276**	-.210*	-.417**	-.578**	-.106	-.166	-1.000**	-.608**	-.040	-.540**	-.144	-.164
76	zHitRate Fear Target	-.196	-.203*	-.338**	-.878**	-.800**	-.129	-.608**	-1.000**	-.137	-.411**	-.115	-.212*
77	zHitRate HappyCalm	-.151	-.177	-.207*	-.487**	-.123	-.281**	-.040	-.137	-1.000**	-.131	-.433**	-.758**
78	zHitRate Happy Distractor	-.911**	-.722**	-.817**	-.412**	-.155	-.314**	-.540**	-.411**	-.131	-1.000**	-.142	-.149
79	zHitRate HappyFear	-.086	-.026	-.238*	-.489**	-.009	-.332**	-.144	-.115	-.433**	-.142	-1.000**	-.800**
80	zHitRate Happy Target	-.095	-.123	-.267**	-.610**	-.120	-.378**	-.164	-.212*	-.758**	-.149	-.800**	-1.000**
81	zHitRate NonEmotional Distractor	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049	-.703**	-.544**	-.145	-.211*	-.453**
82	zHitRate NonEmotional Target	-.801**	-1.000**	-.943**	-.217*	-.140	-.754**	-.210*	-.203*	-.177	-.722**	-.026	-.123
83	zMissRate Calm Distractor	.090	.189	.202*	.774**	.885**	.194	.049	.703**	.544**	.145	.211*	.453**
84	zMissRate CalmFear	.242*	.751**	.664**	.144	.163	.895**	.105	.126	.206*	.198	-.027	.150
85	zMissRate CalmHappy	1	.801**	.778**	.218*	.068	.312**	.276**	.196	.151	.911**	.086	.095

		85	86	87	88	89	90	91	92	93	94	95	96
86	zMissRate Calm Target	.801**	1	.943**	.217*	.140	.754**	.210*	.203*	.177	.722**	.026	.123
87	zMissRate Emotional Distractor	.778**	.943**	1	.394**	.159	.767**	.417**	.338**	.207*	.817**	.238*	.267**
88	zMissRate Emotional Target	.218*	.217*	.394**	1	.698**	.258*	.578**	.878**	.487**	.412**	.489**	.610**
89	zMissRate FearCalm	.068	.140	.159	.698**	1	.104	.106	.800**	.123	.155	.009	.120
90	zMissRate Fear Distractor	.312**	.754**	.767**	.258*	.104	1	.166	.129	.281**	.314**	.332**	.378**
91	zMissRate FearHappy	.276**	.210*	.417**	.578**	.106	.166	1	.608**	.040	.540**	.144	.164
92	zMissRate Fear Target	.196	.203*	.338**	.878**	.800**	.129	.608**	1	.137	.411**	.115	.212*
93	zMissRate HappyCalm	.151	.177	.207*	.487**	.123	.281**	.040	.137	1	.131	.433**	.758**
94	zMissRate Happy Distractor	.911**	.722**	.817**	.412**	.155	.314**	.540**	.411**	.131	1	.142	.149
95	zMissRate HappyFear	.086	.026	.238*	.489**	.009	.332**	.144	.115	.433**	.142	1	.800**
96	zMissRate Happy Target	.095	.123	.267**	.610**	.120	.378**	.164	.212*	.758**	.149	.800**	1
97	zMissRate NonEmotional Distractor	.090	.189	.202*	.774**	.885**	.194	.049	.703**	.544**	.145	.211*	.453**
98	zMissRate NonEmotional Target	.801**	1.000**	.943**	.217*	.140	.754**	.210*	.203*	.177	.722**	.026	.123
99	zRT AllRuns Hits	.065	.207*	.201*	.364**	.465**	.257*	.067	.379**	.069	.106	.083	.142
100	zRT Calm Distractor Hits	-.013	.108	.108	.368**	.476**	.180	.038	.375**	.077	.036	.085	.155
101	zRT Calm Target Hits	.146	.319**	.301**	.322**	.451**	.331**	.090	.363**	.027	.165	.068	.091
102	zRT Emotional Distractor Hits	.109	.260**	.250*	.351**	.463**	.295**	.077	.371**	.062	.143	.081	.130
103	zRT Emotional Target Hits	.014	.141	.137	.374**	.460**	.207*	.051	.373**	.094	.060	.093	.168
104	zRT Fear Distractor Hits	.107	.289**	.269**	.365**	.483**	.294**	.067	.386**	.076	.142	.090	.139
105	zRT Fear Target Hits	.037	.154	.162	.402**	.454**	.209*	.101	.393**	.081	.091	.110	.157
106	zRT Happy Distractor Hits	.128	.259*	.252*	.329**	.429**	.282**	.086	.349**	.040	.163	.067	.114
107	zRT Happy Target Hits	-.009	.119	.108	.369**	.463**	.207*	.005	.350**	.137	.027	.110	.201*
108	zRT Hits Calm	.069	.217*	.210*	.357**	.474**	.263**	.070	.383**	.050	.110	.075	.124
109	ZRT Hits CalmFear	.111	.322**	.308**	.362**	.474**	.311**	.135	.407**	-.025	.153	.056	.050
110	ZRT Hits CalmHappy	.192	.305**	.293**	.266**	.404**	.305**	.034	.290**	.018	.216*	.055	.082
111	zRT Hits Fear	.054	.198	.195	.384**	.473**	.248*	.088	.399**	.073	.099	.090	.147
112	ZRT Hits FearCalm	.026	.117	.130	.398**	.490**	.165	.064	.395**	.056	.076	.110	.143
113	ZRT Hits FearHappy	.046	.174	.180	.380**	.409**	.230*	.123	.368**	.069	.103	.097	.145
114	zRT Hits Happy	.061	.187	.182	.359**	.457**	.240*	.050	.365**	.082	.100	.088	.154

	85	86	87	88	89	90	91	92	93	94	95	96
115 ZRT Hits HappyCalm	-.032	.110	.105	.336**	.430**	.232*	.012	.324**	.108	.010	.104	.174
116 ZRT Hits HappyFear	.092	.235*	.210*	.354**	.452**	.261*	-.009	.334**	.148	.112	.117	.202*
117 zRT Hits	.065	.207*	.201*	.364**	.465**	.257*	.067	.379**	.069	.106	.083	.142
118 zRT Nonemotional Distractor Hits	-.013	.108	.108	.368**	.476**	.180	.038	.375**	.077	.036	.085	.155
119 zRT Nonemotional Target Hits	.146	.319**	.301**	.322**	.451**	.331**	.090	.363**	.027	.165	.068	.091
120 Gender	-.090	-.091	-.100	.026	.063	-.097	-.032	.016	.040	-.046	-.015	.052
121 AgeYears	.151	.102	.139	.284**	.212*	.055	.278**	.305**	.024	.207*	.046	.050

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		97	98	99	100	101	102	103	104	105	106	107	108
1	Criterion	.497**	.680**	.485**	.409**	.579**	.542**	.431**	.532**	.480**	.535**	.417**	.494**
2	Criterion Calm Distractor	.717**	.268**	.516**	.512**	.494**	.509**	.506**	.515**	.538**	.488**	.489**	.519**
3	Criterion CalmFear	.255*	.650**	.394**	.306**	.493**	.435**	.329**	.430**	.323**	.421**	.322**	.409**
4	Criterion CalmHappy	.185	.561**	.268**	.199*	.329**	.300**	.220*	.263**	.261**	.330**	.179	.276**
5	Criterion Calm Target	.307**	.760**	.423**	.325**	.527**	.468**	.357**	.453**	.382**	.468**	.326**	.435**
6	Criterion Emotional Distractor	.415**	.726**	.483**	.393**	.557**	.522**	.427**	.505**	.471**	.520**	.388**	.488**
7	Criterion Emotional Target	.667**	.324**	.522**	.497**	.507**	.525**	.512**	.523**	.584**	.507**	.484**	.517**
8	Criterion FearCalm	.667**	.206*	.459**	.458**	.460**	.467**	.447**	.471**	.455**	.447**	.433**	.466**
9	Criterion Fear Distractor	.382**	.707**	.447**	.369**	.509**	.484**	.397**	.464**	.427**	.479**	.376**	.449**
10	Criterion FearHappy	.237*	.254*	.332**	.266**	.379**	.357**	.295**	.363**	.334**	.336**	.251*	.334**
11	Criterion Fear Target	.644**	.280**	.481**	.450**	.481**	.487**	.463**	.503**	.494**	.455**	.429**	.481**
12	Criterion HappyCalm	.197	.196	.263**	.252*	.277**	.266**	.249*	.258*	.264**	.265**	.249*	.270**
13	Criterion Happy Distractor	.328**	.559**	.380**	.303**	.436**	.414**	.333**	.396**	.375**	.420**	.290**	.384**
14	Criterion HappyFear	.441**	.183	.379**	.373**	.347**	.377**	.388**	.355**	.447**	.380**	.367**	.365**
15	Criterion Happy Target	.407**	.315**	.392**	.376**	.380**	.397**	.386**	.388**	.422**	.398**	.367**	.385**
16	Criterion NonEmotional Distractor	.717**	.268**	.516**	.512**	.494**	.509**	.506**	.515**	.538**	.488**	.489**	.519**
17	Criterion NonEmotional Target	.307**	.760**	.423**	.325**	.527**	.468**	.357**	.453**	.382**	.468**	.326**	.435**
18	DPrime	-.081	-.539**	.198*	.227*	.158	.182	.220*	.162	.223*	.180	.211*	.193
19	DPrime Calm Distractor	-.519**	.064	-.009	-.042	.047	.012	-.041	-.023	-.002	.044	-.085	.003
20	DPrime CalmFear	-.004	-.314**	.037	.053	.016	.029	.044	.028	.052	.028	.031	.035
21	DPrime CalmHappy	.057	-.517**	.170	.206*	.125	.142	.190	.124	.198	.145	.182	.173
22	DPrime Calm Target	.056	-.680**	.159	.200*	.104	.129	.186	.110	.192	.129	.184	.158
23	DPrime Emotional Distractor	.178	-.575**	.258*	.294**	.194	.229*	.288**	.220*	.292**	.224*	.286**	.250*
24	DPrime Emotional Target	-.212*	.135	.196	.154	.237*	.219*	.166	.198	.191	.227*	.133	.198
25	DPrime FearCalm	-.393**	.054	-.077	-.092	-.057	-.063	-.085	-.084	-.065	-.044	-.108	-.080
26	DPrime Fear Distractor	.233*	-.205*	.225*	.238*	.193	.217*	.234*	.189	.260*	.231*	.204*	.220*
27	DPrime FearHappy	.195	.037	.276**	.239*	.300**	.291**	.255*	.307**	.240*	.260*	.259*	.275**
28	DPrime Fear Target	-.204*	.071	.074	.038	.100	.094	.058	.095	.066	.085	.047	.068

		97	98	99	100	101	102	103	104	105	106	107	108
29	DPrime HappyCalm	-.251*	.054	.218*	.200*	.267**	.226*	.182	.207*	.204*	.244*	.145	.240*
30	DPrime Happy Distractor	.142	-.428**	.254*	.270**	.228*	.237*	.268**	.240*	.266**	.214*	.269**	.252*
31	DPrime HappyFear	.260**	.174	.319**	.310**	.299**	.318**	.319**	.286**	.343**	.336**	.280**	.312**
32	DPrime Happy Target	-.013	.226*	.294**	.262**	.334**	.311**	.260**	.298**	.296**	.330**	.204*	.305**
33	DPrime NonEmotional Distractor	-.519**	.064	-.009	-.042	.047	.012	-.041	-.023	-.002	.044	-.085	.003
34	DPrime NonEmotional Target	.056	-.680**	.159	.200*	.104	.129	.186	.110	.192	.129	.184	.158
35	zCorrectRejectionRate Calm Distractor	.206*	.224*	.357**	.335**	.374**	.364**	.332**	.349**	.371**	.368**	.295**	.366**
36	zCorrectRejectionRate CalmFear	.204*	.337**	.341**	.280**	.409**	.370**	.293**	.366**	.293**	.358**	.280**	.353**
37	zCorrectRejectionRate CalmHappy	.165	.011	.301**	.280**	.310**	.303**	.283**	.266**	.315**	.325**	.249*	.308**
38	zCorrectRejectionRate Calm Target	.273**	.120	.431**	.383**	.473**	.445**	.398**	.432**	.423**	.445**	.373**	.439**
39	zCorrectRejectionRate Emotional Distractor	.423**	.170	.524**	.481**	.539**	.535**	.502**	.519**	.540**	.530**	.472**	.523**
40	zCorrectRejectionRate Emotional Target	.378**	.306**	.481**	.442**	.492**	.495**	.459**	.483**	.524**	.487**	.421**	.479**
41	zCorrectRejectionRate FearCalm	.243*	.174	.278**	.269**	.288**	.290**	.265**	.281**	.282**	.286**	.241*	.281**
42	zCorrectRejectionRate Fear Distractor	.417**	.433**	.463**	.410**	.493**	.487**	.430**	.457**	.471**	.491**	.397**	.462**
43	zCorrectRejectionRate FearHappy	.256*	.176	.360**	.300**	.403**	.385**	.327**	.397**	.341**	.354**	.302**	.361**
44	zCorrectRejectionRate Fear Target	.371**	.248*	.400**	.357**	.414**	.416**	.378**	.427**	.408**	.387**	.347**	.397**
45	zCorrectRejectionRate HappyCalm	-.024	.139	.265**	.249*	.300**	.271**	.238*	.256*	.253*	.280**	.218*	.281**
46	zCorrectRejectionRate Happy Distractor	.327**	.110	.438**	.394**	.460**	.450**	.414**	.440**	.443**	.440**	.384**	.439**
47	zCorrectRejectionRate HappyFear	.401**	.203*	.397**	.389**	.368**	.396**	.403**	.365**	.439**	.407**	.369**	.386**
48	zCorrectRejectionRate Happy Target	.240*	.313**	.396**	.369**	.410**	.408**	.374**	.398**	.412**	.419**	.332**	.397**
49	zCorrectRejectionRate NonEmotional Distractor	.206*	.224*	.357**	.335**	.374**	.364**	.332**	.349**	.371**	.368**	.295**	.366**
50	zCorrectRejectionRate NonEmotional Target	.273**	.120	.431**	.383**	.473**	.445**	.398**	.432**	.423**	.445**	.373**	.439**
51	zFalseAlarmRate Calm Distractor	-.206*	-.224*	-.357**	-.335**	-.374**	-.364**	-.332**	-.349**	-.371**	-.368**	-.295**	-.366**
52	zFalseAlarmRate CalmFear	-.193	-.331**	-.332**	-.270**	-.406**	-.362**	-.281**	-.356**	-.284**	-.352**	-.266**	-.346**
53	zFalseAlarmRate CalmHappy	-.157	-.003	-.288**	-.267**	-.298**	-.290**	-.271**	-.253*	-.302**	-.313**	-.237*	-.296**
54	zFalseAlarmRate Calm Target	-.273**	-.120	-.431**	-.383**	-.473**	-.445**	-.398**	-.432**	-.423**	-.445**	-.373**	-.439**
55	zFalseAlarmRate Emotional Distractor	-.423**	-.170	-.524**	-.481**	-.539**	-.535**	-.502**	-.519**	-.540**	-.530**	-.472**	-.523**
56	zFalseAlarmRate Emotional Target	-.378**	-.306**	-.481**	-.442**	-.492**	-.495**	-.459**	-.483**	-.524**	-.487**	-.421**	-.479**

		97	98	99	100	101	102	103	104	105	106	107	108
57	zFalseAlarmRate FearCalm	-.260*	-.198	-.265**	-.260**	-.282**	-.276**	-.250*	-.264**	-.270**	-.274**	-.224*	-.273**
58	zFalseAlarmRate Fear Distractor	-.417**	-.433**	-.463**	-.410**	-.493**	-.487**	-.430**	-.457**	-.471**	-.491**	-.397**	-.462**
59	zFalseAlarmRate FearHappy	-.248*	-.199	-.362**	-.300**	-.405**	-.388**	-.328**	-.404**	-.340**	-.353**	-.307**	-.363**
60	zFalseAlarmRate Fear Target	-.371**	-.248*	-.400**	-.357**	-.414**	-.416**	-.378**	-.427**	-.408**	-.387**	-.347**	-.397**
61	zFalseAlarmRate HappyCalm	-.008	-.156	-.279**	-.261**	-.317**	-.287**	-.250*	-.266**	-.267**	-.302**	-.228*	-.296**
62	zFalseAlarmRate Happy Distractor	-.327**	-.110	-.438**	-.394**	-.460**	-.450**	-.414**	-.440**	-.443**	-.440**	-.384**	-.439**
63	zFalseAlarmRate HappyFear	-.408**	-.197	-.389**	-.380**	-.359**	-.388**	-.395**	-.359**	-.434**	-.397**	-.358**	-.376**
64	zFalseAlarmRate Happy Target	-.240*	-.313**	-.396**	-.369**	-.410**	-.408**	-.374**	-.398**	-.412**	-.419**	-.332**	-.397**
65	zFalseAlarmRate NonEmotional Distractor	-.206*	-.224*	-.357**	-.335**	-.374**	-.364**	-.332**	-.349**	-.371**	-.368**	-.295**	-.366**
66	zFalseAlarmRate NonEmotional Target	-.273**	-.120	-.431**	-.383**	-.473**	-.445**	-.398**	-.432**	-.423**	-.445**	-.373**	-.439**
67	zHitRate Calm Distractor	-1.000**	-.189	-.458**	-.479**	-.399**	-.438**	-.473**	-.468**	-.467**	-.397**	-.490**	-.452**
68	zHitRate CalmFear	-.208*	-.751**	-.296**	-.214*	-.395**	-.335**	-.238*	-.328**	-.229*	-.326**	-.240*	-.310**
69	zHitRate CalmHappy	-.090	-.801**	-.065	.013	-.146	-.109	-.014	-.107	-.037	-.128	.009	-.069
70	zHitRate Calm Target	-.189	-1.000**	-.207*	-.108	-.319**	-.260**	-.141	-.289**	-.154	-.259*	-.119	-.217*
71	zHitRate Emotional Distractor	-.202*	-.943**	-.201*	-.108	-.301**	-.250*	-.137	-.269**	-.162	-.252*	-.108	-.210*
72	zHitRate Emotional Target	-.774**	-.217*	-.364**	-.368**	-.322**	-.351**	-.374**	-.365**	-.402**	-.329**	-.369**	-.357**
73	zHitRate FearCalm	-.885**	-.140	-.465**	-.476**	-.451**	-.463**	-.460**	-.483**	-.454**	-.429**	-.463**	-.474**
74	zHitRate Fear Distractor	-.194	-.754**	-.257*	-.180	-.331**	-.295**	-.207*	-.294**	-.209*	-.282**	-.207*	-.263**
75	zHitRate FearHappy	-.049	-.210*	-.067	-.038	-.090	-.077	-.051	-.067	-.101	-.086	-.005	-.070
76	zHitRate Fear Target	-.703**	-.203*	-.379**	-.375**	-.363**	-.371**	-.373**	-.386**	-.393**	-.349**	-.350**	-.383**
77	zHitRate HappyCalm	-.544**	-.177	-.069	-.077	-.027	-.062	-.094	-.076	-.081	-.040	-.137	-.050
78	zHitRate Happy Distractor	-.145	-.722**	-.106	-.036	-.165	-.143	-.060	-.142	-.091	-.163	-.027	-.110
79	zHitRate HappyFear	-.211*	-.026	-.083	-.085	-.068	-.081	-.093	-.090	-.110	-.067	-.110	-.075
80	zHitRate Happy Target	-.453**	-.123	-.142	-.155	-.091	-.130	-.168	-.139	-.157	-.114	-.201*	-.124
81	zHitRate NonEmotional Distractor	-1.000**	-.189	-.458**	-.479**	-.399**	-.438**	-.473**	-.468**	-.467**	-.397**	-.490**	-.452**
82	zHitRate NonEmotional Target	-.189	-1.000**	-.207*	-.108	-.319**	-.260**	-.141	-.289**	-.154	-.259*	-.119	-.217*
83	zMissRate Calm Distractor	1.000**	.189	.458**	.479**	.399**	.438**	.473**	.468**	.467**	.397**	.490**	.452**
84	zMissRate CalmFear	.208*	.751**	.296**	.214*	.395**	.335**	.238*	.328**	.229*	.326**	.240*	.310**
85	zMissRate CalmHappy	.090	.801**	.065	-.013	.146	.109	.014	.107	.037	.128	-.009	.069

		97	98	99	100	101	102	103	104	105	106	107	108
86	zMissRate Calm Target	.189	1.000**	.207*	.108	.319**	.260**	.141	.289**	.154	.259*	.119	.217*
87	zMissRate Emotional Distractor	.202*	.943**	.201*	.108	.301**	.250*	.137	.269**	.162	.252*	.108	.210*
88	zMissRate Emotional Target	.774**	.217*	.364**	.368**	.322**	.351**	.374**	.365**	.402**	.329**	.369**	.357**
89	zMissRate FearCalm	.885**	.140	.465**	.476**	.451**	.463**	.460**	.483**	.454**	.429**	.463**	.474**
90	zMissRate Fear Distractor	.194	.754**	.257*	.180	.331**	.295**	.207*	.294**	.209*	.282**	.207*	.263**
91	zMissRate FearHappy	.049	.210*	.067	.038	.090	.077	.051	.067	.101	.086	.005	.070
92	zMissRate Fear Target	.703**	.203*	.379**	.375**	.363**	.371**	.373**	.386**	.393**	.349**	.350**	.383**
93	zMissRate HappyCalm	.544**	.177	.069	.077	.027	.062	.094	.076	.081	.040	.137	.050
94	zMissRate Happy Distractor	.145	.722**	.106	.036	.165	.143	.060	.142	.091	.163	.027	.110
95	zMissRate HappyFear	.211*	.026	.083	.085	.068	.081	.093	.090	.110	.067	.110	.075
96	zMissRate Happy Target	.453**	.123	.142	.155	.091	.130	.168	.139	.157	.114	.201*	.124
97	zMissRate NonEmotional Distractor	1	.189	.458**	.479**	.399**	.438**	.473**	.468**	.467**	.397**	.490**	.452**
98	zMissRate NonEmotional Target	.189	1	.207*	.108	.319**	.260**	.141	.289**	.154	.259*	.119	.217*
99	zRT AllRuns Hits	.458**	.207*	1	.976**	.953**	.993**	.988**	.974**	.972**	.978**	.972**	.995**
100	zRT Calm Distractor Hits	.479**	.108	.976**	1	.884**	.944**	.988**	.923**	.973**	.934**	.971**	.971**
101	zRT Calm Target Hits	.399**	.319**	.953**	.884**	1	.972**	.897**	.948**	.883**	.956**	.881**	.968**
102	zRT Emotional Distractor Hits	.438**	.260**	.993**	.944**	.972**	1	.968**	.981**	.952**	.982**	.952**	.988**
103	zRT Emotional Target Hits	.473**	.141	.988**	.988**	.897**	.968**	1	.952**	.985**	.952**	.984**	.972**
104	zRT Fear Distractor Hits	.468**	.289**	.974**	.923**	.948**	.981**	.952**	1	.921**	.928**	.952**	.965**
105	zRT Fear Target Hits	.467**	.154	.972**	.973**	.883**	.952**	.985**	.921**	1	.949**	.939**	.956**
106	zRT Happy Distractor Hits	.397**	.259*	.978**	.934**	.956**	.982**	.952**	.928**	.949**	1	.922**	.975**
107	zRT Happy Target Hits	.490**	.119	.972**	.971**	.881**	.952**	.984**	.952**	.939**	.922**	1	.956**
108	zRT Hits Calm	.452**	.217*	.995**	.971**	.968**	.988**	.972**	.965**	.956**	.975**	.956**	1
109	ZRT Hits CalmFear	.422**	.322**	.922**	.854**	.963**	.940**	.871**	.962**	.852**	.883**	.863**	.934**
110	ZRT Hits CalmHappy	.352**	.305**	.924**	.861**	.969**	.940**	.866**	.875**	.852**	.967**	.847**	.941**
111	zRT Hits Fear	.470**	.198	.992**	.968**	.934**	.986**	.988**	.979**	.981**	.957**	.965**	.980**
112	ZRT Hits FearCalm	.489**	.117	.946**	.970**	.853**	.916**	.961**	.891**	.981**	.906**	.911**	.939**
113	ZRT Hits FearHappy	.416**	.174	.957**	.935**	.873**	.949**	.967**	.912**	.978**	.954**	.926**	.932**
114	zRT Hits Happy	.459**	.187	.996**	.982**	.932**	.984**	.993**	.956**	.978**	.978**	.975**	.987**

	97	98	99	100	101	102	103	104	105	106	107	108
115 ZRT Hits HappyCalm	.443**	.110	.945**	.967**	.859**	.915**	.954**	.897**	.904**	.904**	.973**	.943**
116 ZRT Hits HappyFear	.485**	.235*	.954**	.930**	.871**	.950**	.967**	.961**	.927**	.906**	.977**	.926**
117 zRT Hits	.458**	.207*	1.000**	.976**	.953**	.993**	.988**	.974**	.972**	.978**	.972**	.995**
118 zRT Nonemotional Distractor Hits	.479**	.108	.976**	1.000**	.884**	.944**	.988**	.923**	.973**	.934**	.971**	.971**
119 zRT Nonemotional Target Hits	.399**	.319**	.953**	.884**	1.000**	.972**	.897**	.948**	.883**	.956**	.881**	.968**
120 Gender	.066	-.091	.054	.085	.027	.049	.073	.030	.072	.067	.081	.050
121 AgeYears	.163	.102	.288**	.283**	.304**	.291**	.269**	.266**	.261**	.311**	.274**	.303**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		109	110	111	112	113	114	115	116	117	118	119	120
1	Criterion	.579**	.555**	.484**	.466**	.493**	.468**	.378**	.477**	.485**	.409**	.579**	-.012
2	Criterion Calm Distractor	.498**	.467**	.520**	.559**	.481**	.515**	.461**	.509**	.516**	.512**	.494**	.044
3	Criterion CalmFear	.478**	.460**	.379**	.281**	.344**	.367**	.323**	.357**	.394**	.306**	.493**	-.033
4	Criterion CalmHappy	.269**	.388**	.260**	.263**	.251*	.265**	.136	.236*	.268**	.199*	.329**	-.031
5	Criterion Calm Target	.486**	.515**	.418**	.351**	.389**	.400**	.290**	.380**	.423**	.325**	.527**	-.037
6	Criterion Emotional Distractor	.531**	.531**	.485**	.444**	.470**	.464**	.340**	.449**	.483**	.393**	.557**	-.034
7	Criterion Emotional Target	.544**	.462**	.539**	.582**	.553**	.517**	.434**	.502**	.522**	.497**	.507**	.009
8	Criterion FearCalm	.461**	.431**	.464**	.486**	.421**	.452**	.414**	.443**	.459**	.458**	.460**	.078
9	Criterion Fear Distractor	.461**	.508**	.438**	.400**	.428**	.437**	.363**	.474**	.447**	.369**	.509**	-.052
10	Criterion FearHappy	.416**	.284**	.358**	.305**	.342**	.304**	.187	.274**	.332**	.266**	.379**	.022
11	Criterion Fear Target	.523**	.401**	.506**	.491**	.468**	.463**	.376**	.445**	.481**	.450**	.481**	.039
12	Criterion HappyCalm	.246*	.268**	.252*	.262**	.238*	.266**	.252*	.264**	.263**	.252*	.277**	.028
13	Criterion Happy Distractor	.410**	.425**	.386**	.359**	.371**	.367**	.225*	.348**	.380**	.303**	.436**	.014
14	Criterion HappyFear	.311**	.347**	.388**	.449**	.421**	.391**	.329**	.394**	.379**	.373**	.347**	.001
15	Criterion Happy Target	.342**	.385**	.390**	.426**	.391**	.402**	.339**	.426**	.392**	.376**	.380**	-.010
16	Criterion NonEmotional Distractor	.498**	.467**	.520**	.559**	.481**	.515**	.461**	.509**	.516**	.512**	.494**	.044
17	Criterion NonEmotional Target	.486**	.515**	.418**	.351**	.389**	.400**	.290**	.380**	.423**	.325**	.527**	-.037
18	DPrime	.126	.146	.205*	.246*	.204*	.205*	.184	.189	.198*	.227*	.158	.128
19	DPrime Calm Distractor	.016	.081	-.019	-.011	.002	-.011	-.049	-.052	-.009	-.042	.047	-.039
20	DPrime CalmFear	.021	.046	.041	.090	.036	.041	.002	.039	.037	.053	.016	.109
21	DPrime CalmHappy	.123	.110	.178	.214*	.175	.172	.172	.126	.170	.206*	.125	.090
22	DPrime Calm Target	.091	.093	.168	.214*	.169	.163	.161	.130	.159	.200*	.104	.097
23	DPrime Emotional Distractor	.174	.163	.270**	.308**	.264**	.265**	.242*	.268**	.258*	.294**	.194	.110
24	DPrime Emotional Target	.193	.254*	.190	.191	.181	.195	.112	.206*	.196	.154	.237*	-.025
25	DPrime FearCalm	-.088	-.018	-.080	-.072	-.048	-.074	-.084	-.078	-.077	-.092	-.057	.017
26	DPrime Fear Distractor	.139	.231*	.227*	.294**	.227*	.239*	.156	.227*	.225*	.238*	.193	.083
27	DPrime FearHappy	.287**	.261*	.281**	.250*	.225*	.264**	.187	.296**	.276**	.239*	.300**	.059
28	DPrime Fear Target	.080	.101	.078	.057	.069	.071	.013	.104	.074	.038	.100	.029

		109	110	111	112	113	114	115	116	117	118	119	120
29	DPrime HappyCalm	.264*	.266**	.202*	.218*	.186	.209*	.171	.152	.218*	.200*	.267**	-.004
30	DPrime Happy Distractor	.234*	.145	.268**	.269**	.243*	.248*	.226*	.247*	.254*	.270**	.228*	.080
31	DPrime HappyFear	.251*	.313**	.321**	.344**	.329**	.326**	.246*	.302**	.319**	.310**	.299**	.015
32	DPrime Happy Target	.317**	.352**	.286**	.313**	.274**	.292**	.201*	.278**	.294**	.262**	.334**	-.066
33	DPrime NonEmotional Distractor	.016	.081	-.019	-.011	.002	-.011	-.049	-.052	-.009	-.042	.047	-.039
34	DPrime NonEmotional Target	.091	.093	.168	.214*	.169	.163	.161	.130	.159	.200*	.104	.097
35	zCorrectRejectionRate Calm Distractor	.351**	.372**	.355**	.378**	.333**	.355**	.296**	.335**	.357**	.335**	.374**	.008
36	zCorrectRejectionRate CalmFear	.400**	.390**	.332**	.281**	.301**	.322**	.263**	.311**	.341**	.280**	.409**	.039
37	zCorrectRejectionRate CalmHappy	.270**	.339**	.301**	.328**	.292**	.300**	.214*	.245*	.301**	.280**	.310**	.043
38	zCorrectRejectionRate Calm Target	.453**	.450**	.433**	.412**	.412**	.416**	.330**	.379**	.431**	.383**	.473**	.037
39	zCorrectRejectionRate Emotional Distractor	.517**	.503**	.533**	.531**	.521**	.515**	.408**	.494**	.524**	.481**	.539**	.045
40	zCorrectRejectionRate Emotional Target	.495**	.467**	.491**	.522**	.496**	.477**	.374**	.471**	.481**	.442**	.492**	-.006
41	zCorrectRejectionRate FearCalm	.269**	.291**	.280**	.300**	.266**	.275**	.242*	.268**	.278**	.269**	.288**	.064
42	zCorrectRejectionRate Fear Distractor	.433**	.509**	.458**	.468**	.454**	.462**	.359**	.481**	.463**	.410**	.493**	.004
43	zCorrectRejectionRate FearHappy	.419**	.324**	.379**	.329**	.337**	.337**	.223*	.337**	.360**	.300**	.403**	.047
44	zCorrectRejectionRate Fear Target	.436**	.353**	.421**	.400**	.389**	.385**	.288**	.388**	.400**	.357**	.414**	.045
45	zCorrectRejectionRate HappyCalm	.275**	.293**	.251*	.259*	.229*	.262**	.233*	.231*	.265**	.249*	.300**	.013
46	zCorrectRejectionRate Happy Distractor	.448**	.405**	.452**	.435**	.424**	.425**	.312**	.404**	.438**	.394**	.460**	.063
47	zCorrectRejectionRate HappyFear	.311**	.376**	.404**	.440**	.417**	.408**	.328**	.397**	.397**	.389**	.368**	.008
48	zCorrectRejectionRate Happy Target	.377**	.424**	.390**	.421**	.381**	.400**	.314**	.414**	.396**	.369**	.410**	-.041
49	zCorrectRejectionRate NonEmotional Distractor	.351**	.372**	.355**	.378**	.333**	.355**	.296**	.335**	.357**	.335**	.374**	.008
50	zCorrectRejectionRate NonEmotional Target	.453**	.450**	.433**	.412**	.412**	.416**	.330**	.379**	.431**	.383**	.473**	.037
51	zFalseAlarmRate Calm Distractor	-.351**	-.372**	-.355**	-.378**	-.333**	-.355**	-.296**	-.335**	-.357**	-.335**	-.374**	-.008
52	zFalseAlarmRate CalmFear	-.398**	-.388**	-.322**	-.271**	-.292**	-.312**	-.253*	-.295**	-.332**	-.270**	-.406**	-.073
53	zFalseAlarmRate CalmHappy	-.257*	-.327**	-.288**	-.315**	-.279**	-.287**	-.202*	-.232*	-.288**	-.267**	-.298**	-.059
54	zFalseAlarmRate Calm Target	-.453**	-.450**	-.433**	-.412**	-.412**	-.416**	-.330**	-.379**	-.431**	-.383**	-.473**	-.037
55	zFalseAlarmRate Emotional Distractor	-.517**	-.503**	-.533**	-.531**	-.521**	-.515**	-.408**	-.494**	-.524**	-.481**	-.539**	-.045
56	zFalseAlarmRate Emotional Target	-.495**	-.467**	-.491**	-.522**	-.496**	-.477**	-.374**	-.471**	-.481**	-.442**	-.492**	.006

		109	110	111	112	113	114	115	116	117	118	119	120
57	zFalseAlarmRate FearCalm	-.258*	-.289**	-.266**	-.298**	-.243*	-.263**	-.228*	-.250*	-.265**	-.260**	-.282**	-.035
58	zFalseAlarmRate Fear Distractor	-.433**	-.509**	-.458**	-.468**	-.454**	-.462**	-.359**	-.481**	-.463**	-.410**	-.493**	-.004
59	zFalseAlarmRate FearHappy	-.429**	-.320**	-.382**	-.323**	-.341**	-.337**	-.229*	-.340**	-.362**	-.300**	-.405**	-.105
60	zFalseAlarmRate Fear Target	-.436**	-.353**	-.421**	-.400**	-.389**	-.385**	-.288**	-.388**	-.400**	-.357**	-.414**	-.045
61	zFalseAlarmRate HappyCalm	-.289**	-.316**	-.262**	-.267**	-.249*	-.277**	-.250*	-.237*	-.279**	-.261**	-.317**	-.029
62	zFalseAlarmRate Happy Distractor	-.448**	-.405**	-.452**	-.435**	-.424**	-.425**	-.312**	-.404**	-.438**	-.394**	-.460**	-.063
63	zFalseAlarmRate HappyFear	-.306**	-.363**	-.398**	-.438**	-.410**	-.399**	-.314**	-.389**	-.389**	-.380**	-.359**	.009
64	zFalseAlarmRate Happy Target	-.377**	-.424**	-.390**	-.421**	-.381**	-.400**	-.314**	-.414**	-.396**	-.369**	-.410**	.041
65	zFalseAlarmRate NonEmotional Distractor	-.351**	-.372**	-.355**	-.378**	-.333**	-.355**	-.296**	-.335**	-.357**	-.335**	-.374**	-.008
66	zFalseAlarmRate NonEmotional Target	-.453**	-.450**	-.433**	-.412**	-.412**	-.416**	-.330**	-.379**	-.431**	-.383**	-.473**	-.037
67	zHitRate Calm Distractor	-.422**	-.352**	-.470**	-.489**	-.416**	-.459**	-.443**	-.485**	-.458**	-.479**	-.399**	-.066
68	zHitRate CalmFear	-.367**	-.345**	-.281**	-.175	-.257*	-.272**	-.260*	-.259*	-.296**	-.214*	-.395**	.093
69	zHitRate CalmHappy	-.111	-.192	-.054	-.026	-.046	-.061	.032	-.092	-.065	.013	-.146	.090
70	zHitRate Calm Target	-.322**	-.305**	-.198	-.117	-.174	-.187	-.110	-.235*	-.207*	-.108	-.319**	.091
71	zHitRate Emotional Distractor	-.308**	-.293**	-.195	-.130	-.180	-.182	-.105	-.210*	-.201*	-.108	-.301**	.100
72	zHitRate Emotional Target	-.362**	-.266**	-.384**	-.398**	-.380**	-.359**	-.336**	-.354**	-.364**	-.368**	-.322**	-.026
73	zHitRate FearCalm	-.474**	-.404**	-.473**	-.490**	-.409**	-.457**	-.430**	-.452**	-.465**	-.476**	-.451**	-.063
74	zHitRate Fear Distractor	-.311**	-.305**	-.248*	-.165	-.230*	-.240*	-.232*	-.261*	-.257*	-.180	-.331**	.097
75	zHitRate FearHappy	-.135	-.034	-.088	-.064	-.123	-.050	-.012	.009	-.067	-.038	-.090	.032
76	zHitRate Fear Target	-.407**	-.290**	-.399**	-.395**	-.368**	-.365**	-.324**	-.334**	-.379**	-.375**	-.363**	-.016
77	zHitRate HappyCalm	.025	-.018	-.073	-.056	-.069	-.082	-.108	-.148	-.069	-.077	-.027	-.040
78	zHitRate Happy Distractor	-.153	-.216*	-.099	-.076	-.103	-.100	-.010	-.112	-.106	-.036	-.165	.046
79	zHitRate HappyFear	-.056	-.055	-.090	-.110	-.097	-.088	-.104	-.117	-.083	-.085	-.068	.015
80	zHitRate Happy Target	-.050	-.082	-.147	-.143	-.145	-.154	-.174	-.202*	-.142	-.155	-.091	-.052
81	zHitRate NonEmotional Distractor	-.422**	-.352**	-.470**	-.489**	-.416**	-.459**	-.443**	-.485**	-.458**	-.479**	-.399**	-.066
82	zHitRate NonEmotional Target	-.322**	-.305**	-.198	-.117	-.174	-.187	-.110	-.235*	-.207*	-.108	-.319**	.091
83	zMissRate Calm Distractor	.422**	.352**	.470**	.489**	.416**	.459**	.443**	.485**	.458**	.479**	.399**	.066
84	zMissRate CalmFear	.367**	.345**	.281**	.175	.257*	.272**	.260*	.259*	.296**	.214*	.395**	-.093
85	zMissRate CalmHappy	.111	.192	.054	.026	.046	.061	-.032	.092	.065	-.013	.146	-.090

		109	110	111	112	113	114	115	116	117	118	119	120
86	zMissRate Calm Target	.322**	.305**	.198	.117	.174	.187	.110	.235*	.207*	.108	.319**	-.091
87	zMissRate Emotional Distractor	.308**	.293**	.195	.130	.180	.182	.105	.210*	.201*	.108	.301**	-.100
88	zMissRate Emotional Target	.362**	.266**	.384**	.398**	.380**	.359**	.336**	.354**	.364**	.368**	.322**	.026
89	zMissRate FearCalm	.474**	.404**	.473**	.490**	.409**	.457**	.430**	.452**	.465**	.476**	.451**	.063
90	zMissRate Fear Distractor	.311**	.305**	.248*	.165	.230*	.240*	.232*	.261*	.257*	.180	.331**	-.097
91	zMissRate FearHappy	.135	.034	.088	.064	.123	.050	.012	-.009	.067	.038	.090	-.032
92	zMissRate Fear Target	.407**	.290**	.399**	.395**	.368**	.365**	.324**	.334**	.379**	.375**	.363**	.016
93	zMissRate HappyCalm	-.025	.018	.073	.056	.069	.082	.108	.148	.069	.077	.027	.040
94	zMissRate Happy Distractor	.153	.216*	.099	.076	.103	.100	.010	.112	.106	.036	.165	-.046
95	zMissRate HappyFear	.056	.055	.090	.110	.097	.088	.104	.117	.083	.085	.068	-.015
96	zMissRate Happy Target	.050	.082	.147	.143	.145	.154	.174	.202*	.142	.155	.091	.052
97	zMissRate NonEmotional Distractor	.422**	.352**	.470**	.489**	.416**	.459**	.443**	.485**	.458**	.479**	.399**	.066
98	zMissRate NonEmotional Target	.322**	.305**	.198	.117	.174	.187	.110	.235*	.207*	.108	.319**	-.091
99	zRT AllRuns Hits	.922**	.924**	.992**	.946**	.957**	.996**	.945**	.954**	1.000**	.976**	.953**	.054
100	zRT Calm Distractor Hits	.854**	.861**	.968**	.970**	.935**	.982**	.967**	.930**	.976**	1.000**	.884**	.085
101	zRT Calm Target Hits	.963**	.969**	.934**	.853**	.873**	.932**	.859**	.871**	.953**	.884**	1.000**	.027
102	zRT Emotional Distractor Hits	.940**	.940**	.986**	.916**	.949**	.984**	.915**	.950**	.993**	.944**	.972**	.049
103	zRT Emotional Target Hits	.871**	.866**	.988**	.961**	.967**	.993**	.954**	.967**	.988**	.988**	.897**	.073
104	zRT Fear Distractor Hits	.962**	.875**	.979**	.891**	.912**	.956**	.897**	.961**	.974**	.923**	.948**	.030
105	zRT Fear Target Hits	.852**	.852**	.981**	.981**	.978**	.978**	.904**	.927**	.972**	.973**	.883**	.072
106	zRT Happy Distractor Hits	.883**	.967**	.957**	.906**	.954**	.978**	.904**	.906**	.978**	.934**	.956**	.067
107	zRT Happy Target Hits	.863**	.847**	.965**	.911**	.926**	.975**	.973**	.977**	.972**	.971**	.881**	.081
108	zRT Hits Calm	.934**	.941**	.980**	.939**	.932**	.987**	.943**	.926**	.995**	.971**	.968**	.050
109	ZRT Hits CalmFear	1	.855**	.926**	.818**	.847**	.886**	.833**	.850**	.922**	.854**	.963**	-.005
110	ZRT Hits CalmHappy	.855**	1	.880**	.827**	.841**	.920**	.842**	.839**	.924**	.861**	.969**	.050
111	zRT Hits Fear	.926**	.880**	1	.957**	.965**	.986**	.920**	.963**	.992**	.968**	.934**	.049
112	ZRT Hits FearCalm	.818**	.827**	.957**	1	.917**	.953**	.875**	.901**	.946**	.970**	.853**	.065
113	ZRT Hits FearHappy	.847**	.841**	.965**	.917**	1	.961**	.894**	.914**	.957**	.935**	.873**	.102
114	zRT Hits Happy	.886**	.920**	.986**	.953**	.961**	1	.951**	.957**	.996**	.982**	.932**	.062

	109	110	111	112	113	114	115	116	117	118	119	120
115 ZRT Hits HappyCalm	.833**	.842**	.920**	.875**	.894**	.951**	1	.901**	.945**	.967**	.859**	.085
116 ZRT Hits HappyFear	.850**	.839**	.963**	.901**	.914**	.957**	.901**	1	.954**	.930**	.871**	.033
117 zRT Hits	.922**	.924**	.992**	.946**	.957**	.996**	.945**	.954**	1	.976**	.953**	.054
118 zRT Nonemotional Distractor Hits	.854**	.861**	.968**	.970**	.935**	.982**	.967**	.930**	.976**	1	.884**	.085
119 zRT Nonemotional Target Hits	.963**	.969**	.934**	.853**	.873**	.932**	.859**	.871**	.953**	.884**	1	.027
120 Gender	-.005	.050	.049	.065	.102	.062	.085	.033	.054	.085	.027	1
121 AgeYears	.305**	.299**	.265**	.227*	.294**	.281**	.346**	.201*	.288**	.283**	.304**	.195

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

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1	Criterion	.232*
2	Criterion Calm Distractor	.213*
3	Criterion CalmFear	.281**
4	Criterion CalmHappy	.115
5	Criterion Calm Target	.202*
6	Criterion Emotional Distractor	.188
7	Criterion Emotional Target	.238*
8	Criterion FearCalm	.247*
9	Criterion Fear Distractor	.187
10	Criterion FearHappy	.201*
11	Criterion Fear Target	.251*
12	Criterion HappyCalm	.068
13	Criterion Happy Distractor	.150
14	Criterion HappyFear	.110
15	Criterion Happy Target	.093
16	Criterion NonEmotional Distractor	.213*
17	Criterion NonEmotional Target	.202*
18	DPrime	-.017
19	DPrime Calm Distractor	.034
20	DPrime CalmFear	.267**
21	DPrime CalmHappy	-.094
22	DPrime Calm Target	.070
23	DPrime Emotional Distractor	.008
24	DPrime Emotional Target	-.087
25	DPrime FearCalm	.014
26	DPrime Fear Distractor	.179
27	DPrime FearHappy	-.095
28	DPrime Fear Target	-.127

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29	DPrime HappyCalm	.050
30	DPrime Happy Distractor	-.134
31	DPrime HappyFear	.071
32	DPrime Happy Target	.053
33	DPrime NonEmotional Distractor	.034
34	DPrime NonEmotional Target	.070
35	zCorrectRejectionRate Calm Distractor	.169
36	zCorrectRejectionRate CalmFear	.389**
37	zCorrectRejectionRate CalmHappy	.011
38	zCorrectRejectionRate Calm Target	.201*
39	zCorrectRejectionRate Emotional Distractor	.145
40	zCorrectRejectionRate Emotional Target	.129
41	zCorrectRejectionRate FearCalm	.181
42	zCorrectRejectionRate Fear Distractor	.239*
43	zCorrectRejectionRate FearHappy	.067
44	zCorrectRejectionRate Fear Target	.119
45	zCorrectRejectionRate HappyCalm	.065
46	zCorrectRejectionRate Happy Distractor	.017
47	zCorrectRejectionRate HappyFear	.104
48	zCorrectRejectionRate Happy Target	.085
49	zCorrectRejectionRate NonEmotional Distractor	.169
50	zCorrectRejectionRate NonEmotional Target	.201*
51	zFalseAlarmRate Calm Distractor	-.169
52	zFalseAlarmRate CalmFear	-.398**
53	zFalseAlarmRate CalmHappy	-.002
54	zFalseAlarmRate Calm Target	-.201*
55	zFalseAlarmRate Emotional Distractor	-.145
56	zFalseAlarmRate Emotional Target	-.129

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57	zFalseAlarmRate FearCalm	-.171
58	zFalseAlarmRate Fear Distractor	-.239*
59	zFalseAlarmRate FearHappy	-.038
60	zFalseAlarmRate Fear Target	-.119
61	zFalseAlarmRate HappyCalm	-.115
62	zFalseAlarmRate Happy Distractor	-.017
63	zFalseAlarmRate HappyFear	-.096
64	zFalseAlarmRate Happy Target	-.085
65	zFalseAlarmRate NonEmotional Distractor	-.169
66	zFalseAlarmRate NonEmotional Target	-.201*
67	zHitRate Calm Distractor	-.163
68	zHitRate CalmFear	-.065
69	zHitRate CalmHappy	-.151
70	zHitRate Calm Target	-.102
71	zHitRate Emotional Distractor	-.139
72	zHitRate Emotional Target	-.284**
73	zHitRate FearCalm	-.212*
74	zHitRate Fear Distractor	-.055
75	zHitRate FearHappy	-.278**
76	zHitRate Fear Target	-.305**
77	zHitRate HappyCalm	-.024
78	zHitRate Happy Distractor	-.207*
79	zHitRate HappyFear	-.046
80	zHitRate Happy Target	-.050
81	zHitRate NonEmotional Distractor	-.163
82	zHitRate NonEmotional Target	-.102
83	zMissRate Calm Distractor	.163
84	zMissRate CalmFear	.065
85	zMissRate CalmHappy	.151

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86	zMissRate Calm Target	.102
87	zMissRate Emotional Distractor	.139
88	zMissRate Emotional Target	.284**
89	zMissRate FearCalm	.212*
90	zMissRate Fear Distractor	.055
91	zMissRate FearHappy	.278**
92	zMissRate Fear Target	.305**
93	zMissRate HappyCalm	.024
94	zMissRate Happy Distractor	.207*
95	zMissRate HappyFear	.046
96	zMissRate Happy Target	.050
97	zMissRate NonEmotional Distractor	.163
98	zMissRate NonEmotional Target	.102
99	zRT AllRuns Hits	.288**
100	zRT Calm Distractor Hits	.283**
101	zRT Calm Target Hits	.304**
102	zRT Emotional Distractor Hits	.291**
103	zRT Emotional Target Hits	.269**
104	zRT Fear Distractor Hits	.266**
105	zRT Fear Target Hits	.261**
106	zRT Happy Distractor Hits	.311**
107	zRT Happy Target Hits	.274**
108	zRT Hits Calm	.303**
109	ZRT Hits CalmFear	.305**
110	ZRT Hits CalmHappy	.299**
111	zRT Hits Fear	.265**
112	ZRT Hits FearCalm	.227*
113	ZRT Hits FearHappy	.294**
114	zRT Hits Happy	.281**

		121
115	ZRT Hits HappyCalm	.346**
116	ZRT Hits HappyFear	.201*
117	zRT Hits	.288**
118	zRT Nonemotional Distractor Hits	.283**
119	zRT Nonemotional Target Hits	.304**
120	Gender	.195
121	AgeYears	1

*Note.* \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

## Appendix M

Correlations among measures of emotional go/no-go performance

N = 25

(Subsample of MRI framing participants who also completed the emotional go/no-go task)

		1	2	3	4	5	6	7	8	9	10	11	12
1	Criterion	1	.806**	.788**	.668**	.835**	.956**	.878**	.721**	.895**	.621**	.723**	.705**
2	Criterion Calm Distractor	.806**	1	.467*	.421*	.563**	.682**	.866**	.815**	.710**	.296	.651**	.805**
3	Criterion CalmFear	.788**	.467*	1	.298	.865**	.773**	.448*	.525**	.835**	.458*	.506*	.323
4	Criterion CalmHappy	.668**	.421*	.298	1	.655**	.658**	.490*	.327	.497*	.257	.307	.451*
5	Criterion Calm Target	.835**	.563**	.865**	.655**	1	.891**	.529**	.556**	.837**	.419*	.525**	.464*
6	Criterion Emotional Distractor	.956**	.682**	.773**	.658**	.891**	1	.806**	.572**	.897**	.663**	.715**	.601**
7	Criterion Emotional Target	.878**	.866**	.448*	.490*	.529**	.806**	1	.720**	.737**	.695**	.795**	.738**
8	Criterion FearCalm	.721**	.815**	.525**	.327	.556**	.572**	.720**	1	.602**	.440*	.753**	.310
9	Criterion Fear Distractor	.895**	.710**	.835**	.497*	.837**	.897**	.737**	.602**	1	.385	.525**	.670**
10	Criterion FearHappy	.621**	.296	.458*	.257	.419*	.663**	.695**	.440*	.385	1	.876**	.051
11	Criterion Fear Target	.723**	.651**	.506*	.307	.525**	.715**	.795**	.753**	.525**	.876**	1	.313
12	Criterion HappyCalm	.705**	.805**	.323	.451*	.464*	.601**	.738**	.310	.670**	.051	.313	1
13	Criterion Happy Distractor	.762**	.488*	.349	.762**	.615**	.802**	.729**	.440*	.506*	.768**	.749**	.394
14	Criterion HappyFear	.729**	.737**	.128	.597**	.394	.670**	.858**	.487*	.666**	.312	.465*	.707**
15	Criterion Happy Target	.714**	.805**	.212	.494*	.423*	.640**	.786**	.370	.712**	.092	.344	.869**
16	Criterion NonEmotional Distractor	.806**	1.000**	.467*	.421*	.563**	.682**	.866**	.815**	.710**	.296	.651**	.805**
17	Criterion NonEmotional Target	.835**	.563**	.865**	.655**	1.000**	.891**	.529**	.556**	.837**	.419*	.525**	.464*
18	DPrime	.180	.153	.077	.261	.126	.165	.260	.410*	-.056	.501*	.464*	-.023
19	DPrime Calm Distractor	.020	.152	.054	.054	.128	-.102	-.162	.211	.055	-.476*	-.243	.156
20	DPrime CalmFear	.234	.263	-.045	.374	.033	.154	.417*	.275	-.058	.406*	.441*	.236
21	DPrime CalmHappy	.056	.145	.195	.012	.099	.036	.096	.415*	-.042	.256	.240	-.121
22	DPrime Calm Target	.159	.223	.058	.229	.074	.121	.306	.427*	-.053	.420*	.417*	.007
23	DPrime Emotional Distractor	.259	.209	.066	.278	.109	.251	.412*	.342	.041	.592**	.519**	.069
24	DPrime Emotional Target	.371	.127	.172	.340	.306	.323	.216	.067	.216	.195	.185	.259
25	DPrime FearCalm	-.006	.123	.072	-.031	.113	-.140	-.224	.336	.043	-.374	-.128	-.015
26	DPrime Fear Distractor	.372	.356	-.098	.437*	.053	.325	.577**	.210	.099	.553**	.530**	.388
27	DPrime FearHappy	.381	-.009	.292	.186	.283	.442*	.355	.025	.137	.724**	.517**	.040
28	DPrime Fear Target	.306	.115	.284	.162	.317	.248	.142	.198	.179	.211	.253	.133

		1	2	3	4	5	6	7	8	9	10	11	12
29	DPrime HappyCalm	.043	.104	.037	.191	.135	.041	-.076	.090	-.074	-.102	-.069	.103
30	DPrime Happy Distractor	.240	.122	.277	.148	.241	.258	.250	.307	.090	.518**	.429*	-.033
31	DPrime HappyFear	.257	.127	.129	.181	.119	.339	.322	.177	.171	.587**	.414*	.075
32	DPrime Happy Target	.209	.126	-.076	.274	.075	.193	.166	-.019	.049	.120	.101	.233
33	DPrime NonEmotional Distractor	.020	.152	.054	.054	.128	-.102	-.162	.211	.055	-.476*	-.243	.156
34	DPrime NonEmotional Target	.159	.223	.058	.229	.074	.121	.306	.427*	-.053	.420*	.417*	.007
35	zCorrectRejectionRate Calm Distractor	.623**	.843**	.375	.349	.497*	.463*	.570**	.723**	.567**	-.059	.363	.697**
36	zCorrectRejectionRate CalmFear	.744**	.529**	.699**	.485*	.656**	.675**	.625**	.581**	.568**	.625**	.686**	.405*
37	zCorrectRejectionRate CalmHappy	.415*	.353	.317	.562**	.443*	.393	.350	.512*	.294	.345	.368	.149
38	zCorrectRejectionRate Calm Target	.569**	.478*	.501*	.531**	.588**	.569**	.528**	.639**	.529**	.562**	.616**	.251
39	zCorrectRejectionRate Emotional Distractor	.703**	.519**	.451*	.556**	.561**	.721**	.732**	.550**	.584**	.782**	.759**	.375
40	zCorrectRejectionRate Emotional Target	.869**	.748**	.451*	.545**	.561**	.790**	.895**	.610**	.676**	.661**	.718**	.706**
41	zCorrectRejectionRate FearCalm	.458*	.589**	.375	.188	.419*	.280	.324	.836**	.393	.058	.402	.187
42	zCorrectRejectionRate Fear Distractor	.867**	.727**	.506*	.631**	.620**	.838**	.890**	.563**	.763**	.658**	.711**	.721**
43	zCorrectRejectionRate FearHappy	.531**	.144	.398	.236	.373	.587**	.554**	.236	.270	.919**	.738**	.049
44	zCorrectRejectionRate Fear Target	.676**	.519**	.519**	.306	.544**	.638**	.635**	.646**	.459*	.740**	.840**	.293
45	zCorrectRejectionRate HappyCalm	.544**	.655**	.226	.447*	.423*	.466*	.496*	.249	.461*	-.030	.188	.797**
46	zCorrectRejectionRate Happy Distractor	.575**	.346	.379	.509**	.498*	.609**	.565**	.448*	.353	.769**	.703**	.185
47	zCorrectRejectionRate HappyFear	.673**	.619**	.147	.538**	.354	.668**	.801**	.404	.585**	.492*	.548**	.571**
48	zCorrectRejectionRate Happy Target	.614**	.636**	.098	.492*	.339	.553**	.643**	.232	.564**	.127	.296	.737**
49	zCorrectRejectionRate NonEmotional Distractor	.623**	.843**	.375	.349	.497*	.463*	.570**	.723**	.567**	-.059	.363	.697**
50	zCorrectRejectionRate NonEmotional Target	.569**	.478*	.501*	.531**	.588**	.569**	.528**	.639**	.529**	.562**	.616**	.251
51	zFalseAlarmRate Calm Distractor	-.623**	-.843**	-.375	-.349	-.497*	-.463*	-.570**	-.723**	-.567**	.059	-.363	-.697**
52	zFalseAlarmRate CalmFear	-.744**	-.529**	-.699**	-.485*	-.656**	-.675**	-.625**	-.581**	-.568**	-.625**	-.686**	-.405*
53	zFalseAlarmRate CalmHappy	-.415*	-.353	-.317	-.562**	-.443*	-.393	-.350	-.512*	-.294	-.345	-.368	-.149
54	zFalseAlarmRate Calm Target	-.569**	-.478*	-.501*	-.531**	-.588**	-.569**	-.528**	-.639**	-.529**	-.562**	-.616**	-.251
55	zFalseAlarmRate Emotional Distractor	-.703**	-.519**	-.451*	-.556**	-.561**	-.721**	-.732**	-.550**	-.584**	-.782**	-.759**	-.375
56	zFalseAlarmRate Emotional Target	-.869**	-.748**	-.451*	-.545**	-.561**	-.790**	-.895**	-.610**	-.676**	-.661**	-.718**	-.706**

		1	2	3	4	5	6	7	8	9	10	11	12
57	zFalseAlarmRate FearCalm	-.458*	-.589**	-.375	-.188	-.419*	-.280	-.324	-.836**	-.393	-.058	-.402	-.187
58	zFalseAlarmRate Fear Distractor	-.867**	-.727**	-.506*	-.631**	-.620**	-.838**	-.890**	-.563**	-.763**	-.658**	-.711**	-.721**
59	zFalseAlarmRate FearHappy	-.523**	-.153	-.371	-.260	-.385	-.593**	-.554**	-.224	-.270	-.895**	-.727**	-.083
60	zFalseAlarmRate Fear Target	-.676**	-.519**	-.519**	-.306	-.544**	-.638**	-.635**	-.646**	-.459*	-.740**	-.840**	-.293
61	zFalseAlarmRate HappyCalm	-.544**	-.655**	-.226	-.447*	-.423*	-.466*	-.496*	-.249	-.461*	.030	-.188	-.797**
62	zFalseAlarmRate Happy Distractor	-.575**	-.346	-.379	-.509**	-.498*	-.609**	-.565**	-.448*	-.353	-.769**	-.703**	-.185
63	zFalseAlarmRate HappyFear	-.673**	-.619**	-.147	-.538**	-.354	-.668**	-.801**	-.404	-.585**	-.492*	-.548**	-.571**
64	zFalseAlarmRate Happy Target	-.614**	-.636**	-.098	-.492*	-.339	-.553**	-.643**	-.232	-.564**	-.127	-.296	-.737**
65	zFalseAlarmRate NonEmotional Distractor	-.623**	-.843**	-.375	-.349	-.497*	-.463*	-.570**	-.723**	-.567**	.059	-.363	-.697**
66	zFalseAlarmRate NonEmotional Target	-.569**	-.478*	-.501*	-.531**	-.588**	-.569**	-.528**	-.639**	-.529**	-.562**	-.616**	-.251
67	zHitRate Calm Distractor	-.695**	-.783**	-.358	-.336	-.414*	-.663**	-.863**	-.548**	-.601**	-.567**	-.725**	-.609**
68	zHitRate CalmFear	-.403	-.149	-.729**	.040	-.598**	-.459*	-.032	-.174	-.649**	-.039	-.049	-.087
69	zHitRate CalmHappy	-.326	-.113	.002	-.548**	-.282	-.337	-.193	.176	-.381	.078	.030	-.353
70	zHitRate Calm Target	-.334	-.125	-.434*	-.172	-.501*	-.398*	-.033	.060	-.678**	.131	.066	-.256
71	zHitRate Emotional Distractor	-.426*	-.282	-.444*	-.201	-.518**	-.463*	-.181	-.056	-.737**	.116	-.020	-.353
72	zHitRate Emotional Target	-.641**	-.764**	-.282	-.284	-.340	-.597**	-.843**	-.576**	-.605**	-.480*	-.663**	-.567**
73	zHitRate FearCalm	-.659**	-.628**	-.411*	-.319	-.404	-.629**	-.832**	-.630**	-.518*	-.706**	-.782**	-.291
74	zHitRate Fear Distractor	-.424*	-.293	-.659**	-.070	-.608**	-.460*	-.155	-.271	-.701**	.130	-.025	-.239
75	zHitRate FearHappy	-.233	-.380	-.156	-.056	-.120	-.199	-.361	-.511*	-.273	-.218	-.358	-.006
76	zHitRate Fear Target	-.429*	-.503*	-.248	-.159	-.243	-.464*	-.612**	-.528**	-.342	-.627**	-.717**	-.185
77	zHitRate HappyCalm	-.543**	-.584**	-.250	-.236	-.283	-.459*	-.654**	-.193	-.610**	-.136	-.308	-.744**
78	zHitRate Happy Distractor	-.301	-.223	.028	-.388	-.199	-.313	-.269	-.005	-.348	-.026	-.116	-.303
79	zHitRate HappyFear	-.561**	-.647**	-.033	-.481*	-.316	-.451*	-.649**	-.408	-.549**	.164	-.199	-.659**
80	zHitRate Happy Target	-.540**	-.686**	-.263	-.283	-.355	-.480*	-.640**	-.367	-.653**	.008	-.260	-.673**
81	zHitRate NonEmotional Distractor	-.695**	-.783**	-.358	-.336	-.414*	-.663**	-.863**	-.548**	-.601**	-.567**	-.725**	-.609**
82	zHitRate NonEmotional Target	-.334	-.125	-.434*	-.172	-.501*	-.398*	-.033	.060	-.678**	.131	.066	-.256
83	zMissRate Calm Distractor	.695**	.783**	.358	.336	.414*	.663**	.863**	.548**	.601**	.567**	.725**	.609**
84	zMissRate CalmFear	.403	.149	.729**	-.040	.598**	.459*	.032	.174	.649**	.039	.049	.087
85	zMissRate CalmHappy	.326	.113	-.002	.548**	.282	.337	.193	-.176	.381	-.078	-.030	.353

		1	2	3	4	5	6	7	8	9	10	11	12
86	zMissRate Calm Target	.334	.125	.434*	.172	.501*	.398*	.033	-.060	.678**	-.131	-.066	.256
87	zMissRate Emotional Distractor	.426*	.282	.444*	.201	.518**	.463*	.181	.056	.737**	-.116	.020	.353
88	zMissRate Emotional Target	.641**	.764**	.282	.284	.340	.597**	.843**	.576**	.605**	.480*	.663**	.567**
89	zMissRate FearCalm	.659**	.628**	.411*	.319	.404	.629**	.832**	.630**	.518*	.706**	.782**	.291
90	zMissRate Fear Distractor	.424*	.293	.659**	.070	.608**	.460*	.155	.271	.701**	-.130	.025	.239
91	zMissRate FearHappy	.233	.380	.156	.056	.120	.199	.361	.511*	.273	.218	.358	.006
92	zMissRate Fear Target	.429*	.503*	.248	.159	.243	.464*	.612**	.528**	.342	.627**	.717**	.185
93	zMissRate HappyCalm	.543**	.584**	.250	.236	.283	.459*	.654**	.193	.610**	.136	.308	.744**
94	zMissRate Happy Distractor	.301	.223	-.028	.388	.199	.313	.269	.005	.348	.026	.116	.303
95	zMissRate HappyFear	.561**	.647**	.033	.481*	.316	.451*	.649**	.408	.549**	-.164	.199	.659**
96	zMissRate Happy Target	.540**	.686**	.263	.283	.355	.480*	.640**	.367	.653**	-.008	.260	.673**
97	zMissRate NonEmotional Distractor	.695**	.783**	.358	.336	.414*	.663**	.863**	.548**	.601**	.567**	.725**	.609**
98	zMissRate NonEmotional Target	.334	.125	.434*	.172	.501*	.398*	.033	-.060	.678**	-.131	-.066	.256
99	zRT AllRuns Hits	-.009	.070	.032	.167	.081	.159	.147	.296	.010	.436*	.327	-.233
100	zRT Calm Distractor Hits	-.079	.045	-.050	.117	-.012	.056	.086	.247	-.072	.316	.222	-.226
101	zRT Calm Target Hits	.219	.115	.159	.255	.241	.321	.220	.440*	.124	.582**	.429*	-.149
102	zRT Emotional Distractor Hits	.138	.081	.070	.193	.129	.213	.176	.435*	.053	.487*	.374	-.228
103	zRT Emotional Target Hits	-.068	.044	-.046	.114	-.005	.071	.106	.263	-.044	.332	.254	-.252
104	zRT Fear Distractor Hits	.159	.052	.070	.240	.155	.227	.140	.415*	.019	.504*	.402	-.278
105	zRT Fear Target Hits	.066	.211	-.045	.191	.032	.193	.354	.259	.151	.296	.288	-.068
106	zRT Happy Distractor Hits	.115	.070	.061	.172	.113	.190	.142	.375	.072	.402	.281	-.173
107	zRT Happy Target Hits	.018	.016	-.034	.125	.011	.073	.097	.357	-.076	.363	.279	-.293
108	zRT Hits Calm	.013	.082	.067	.191	.117	.191	.156	.303	.023	.473*	.342	-.208
109	ZRT Hits CalmFear	.461*	.241	.159	.374	.270	.466*	.485*	.438*	.216	.616**	.565**	-.115
110	ZRT Hits CalmHappy	.214	.112	.160	.268	.244	.302	.182	.370	.158	.448*	.307	-.069
111	zRT Hits Fear	-.004	.089	.015	.157	.062	.154	.173	.313	.015	.430*	.350	-.239
112	ZRT Hits FearCalm	.097	.254	-.029	.234	.065	.214	.372	.280	.163	.288	.286	.000
113	ZRT Hits FearHappy	.163	.153	-.061	.135	-.006	.161	.320	.330	.130	.294	.280	-.143
114	zRT Hits Happy	-.027	.062	.002	.156	.054	.129	.128	.273	.005	.372	.276	-.217

		1	2	3	4	5	6	7	8	9	10	11	12
115	ZRT Hits HappyCalm	-.011	-.015	-.040	.109	-.011	.046	.048	.297	-.090	.302	.197	-.265
116	ZRT Hits HappyFear	.071	.016	-.054	.200	.056	.110	.078	.344	-.017	.298	.264	-.270
117	zRT Hits	-.009	.070	.032	.167	.081	.159	.147	.296	.010	.436*	.327	-.233
118	zRT Nonemotional Distractor Hits	-.079	.045	-.050	.117	-.012	.056	.086	.247	-.072	.316	.222	-.226
119	zRT Nonemotional Target Hits	.219	.115	.159	.255	.241	.321	.220	.440*	.124	.582**	.429*	-.149
120	Gender	.094	.214	-.021	.053	.062	.079	.143	.362	.040	.141	.224	.021
121	AgeYears	.134	.269	.120	.111	.077	.056	.136	.401*	.070	.101	.174	.103

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		13	14	15	16	17	18	19	20	21	22	23	24
1	Criterion	.762**	.729**	.714**	.806**	.835**	.180	.020	.234	.056	.159	.259	.371
2	Criterion Calm Distractor	.488*	.737**	.805**	1.000**	.563**	.153	.152	.263	.145	.223	.209	.127
3	Criterion CalmFear	.349	.128	.212	.467*	.865**	.077	.054	-.045	.195	.058	.066	.172
4	Criterion CalmHappy	.762**	.597**	.494*	.421*	.655**	.261	.054	.374	.012	.229	.278	.340
5	Criterion Calm Target	.615**	.394	.423*	.563**	1.000**	.126	.128	.033	.099	.074	.109	.306
6	Criterion Emotional Distractor	.802**	.670**	.640**	.682**	.891**	.165	-.102	.154	.036	.121	.251	.323
7	Criterion Emotional Target	.729**	.858**	.786**	.866**	.529**	.260	-.162	.417*	.096	.306	.412*	.216
8	Criterion FearCalm	.440*	.487*	.370	.815**	.556**	.410*	.211	.275	.415*	.427*	.342	.067
9	Criterion Fear Distractor	.506*	.666**	.712**	.710**	.837**	-.056	.055	-.058	-.042	-.053	.041	.216
10	Criterion FearHappy	.768**	.312	.092	.296	.419*	.501*	-.476*	.406*	.256	.420*	.592**	.195
11	Criterion Fear Target	.749**	.465*	.344	.651**	.525**	.464*	-.243	.441*	.240	.417*	.519**	.185
12	Criterion HappyCalm	.394	.707**	.869**	.805**	.464*	-.023	.156	.236	-.121	.007	.069	.259
13	Criterion Happy Distractor	1	.624**	.474*	.488*	.615**	.370	-.275	.531**	-.016	.276	.444*	.331
14	Criterion HappyFear	.624**	1	.895**	.737**	.394	.141	-.110	.304	.029	.224	.300	.135
15	Criterion Happy Target	.474*	.895**	1	.805**	.423*	-.099	.006	.177	-.137	-.051	.026	.129
16	Criterion NonEmotional Distractor	.488*	.737**	.805**	1	.563**	.153	.152	.263	.145	.223	.209	.127
17	Criterion NonEmotional Target	.615**	.394	.423*	.563**	1	.126	.128	.033	.099	.074	.109	.306
18	DPrime	.370	.141	-.099	.153	.126	1	.085	.552**	.725**	.894**	.932**	.477*
19	DPrime Calm Distractor	-.275	-.110	.006	.152	.128	.085	1	-.191	.125	-.071	-.195	.489*
20	DPrime CalmFear	.531**	.304	.177	.263	.033	.552**	-.191	1	.072	.484*	.534**	.145
21	DPrime CalmHappy	-.016	.029	-.137	.145	.099	.725**	.125	.072	1	.837**	.716**	.106
22	DPrime Calm Target	.276	.224	-.051	.223	.074	.894**	-.071	.484*	.837**	1	.934**	.132
23	DPrime Emotional Distractor	.444*	.300	.026	.209	.109	.932**	-.195	.534**	.716**	.934**	1	.327
24	DPrime Emotional Target	.331	.135	.129	.127	.306	.477*	.489*	.145	.106	.132	.327	1
25	DPrime FearCalm	-.253	-.224	-.150	.123	.113	.112	.837**	-.103	.019	-.066	-.178	.390
26	DPrime Fear Distractor	.660**	.532**	.444*	.356	.053	.651**	-.338	.872**	.116	.722**	.841**	.285
27	DPrime FearHappy	.560**	.033	-.070	-.009	.283	.554**	-.258	.323	.156	.313	.579**	.627**
28	DPrime Fear Target	.230	-.055	-.074	.115	.317	.485*	.506**	.179	.109	.174	.298	.859**

		13	14	15	16	17	18	19	20	21	22	23	24
29	DPrime HappyCalm	.028	-.028	.117	.104	.135	.102	.484*	-.085	.239	-.028	-.048	.336
30	DPrime Happy Distractor	.273	.076	-.118	.122	.241	.869**	-.010	.209	.831**	.821**	.878**	.467*
31	DPrime HappyFear	.420*	.286	.244	.127	.119	.348	-.411*	.256	.172	.205	.426*	.208
32	DPrime Happy Target	.300	.202	.312	.126	.075	.108	.253	.136	-.057	-.147	.020	.558**
33	DPrime NonEmotional Distractor	-.275	-.110	.006	.152	.128	.085	1.000**	-.191	.125	-.071	-.195	.489*
34	DPrime NonEmotional Target	.276	.224	-.051	.223	.074	.894**	-.071	.484*	.837**	1.000**	.934**	.132
35	zCorrectRejectionRate Calm Distractor	.221	.500*	.614**	.843**	.497*	.162	.660**	.083	.178	.131	.052	.363
36	zCorrectRejectionRate CalmFear	.635**	.312	.282	.529**	.656**	.451*	-.097	.683**	.194	.389	.431*	.229
37	zCorrectRejectionRate CalmHappy	.407*	.354	.159	.353	.443*	.744**	.133	.256	.834**	.819**	.746**	.275
38	zCorrectRejectionRate Calm Target	.549**	.390	.182	.478*	.588**	.792**	.010	.412*	.731**	.850**	.815**	.268
39	zCorrectRejectionRate Emotional Distractor	.752**	.578**	.365	.519**	.561**	.757**	-.195	.475*	.532**	.734**	.851**	.409*
40	zCorrectRejectionRate Emotional Target	.732**	.745**	.685**	.748**	.561**	.425*	.094	.411*	.125	.304	.478*	.628**
41	zCorrectRejectionRate FearCalm	.129	.176	.146	.589**	.419*	.327	.628**	.114	.274	.231	.112	.273
42	zCorrectRejectionRate Fear Distractor	.782**	.811**	.786**	.727**	.620**	.383	-.181	.580**	.046	.432*	.575**	.336
43	zCorrectRejectionRate FearHappy	.708**	.176	.006	.144	.373	.570**	-.388	.390	.218	.391	.630**	.458*
44	zCorrectRejectionRate Fear Target	.652**	.295	.199	.519**	.544**	.596**	.113	.414*	.229	.389	.530**	.610**
45	zCorrectRejectionRate HappyCalm	.307	.502*	.710**	.655**	.423*	.045	.408*	.098	.056	-.012	.022	.394
46	zCorrectRejectionRate Happy Distractor	.725**	.384	.166	.346	.498*	.818**	-.153	.424*	.587**	.735**	.863**	.509**
47	zCorrectRejectionRate HappyFear	.670**	.892**	.793**	.619**	.354	.271	-.277	.324	.103	.267	.428*	.200
48	zCorrectRejectionRate Happy Target	.492*	.739**	.871**	.636**	.339	-.014	.135	.192	-.127	-.113	.029	.380
49	zCorrectRejectionRate NonEmotional Distractor	.221	.500*	.614**	.843**	.497*	.162	.660**	.083	.178	.131	.052	.363
50	zCorrectRejectionRate NonEmotional Target	.549**	.390	.182	.478*	.588**	.792**	.010	.412*	.731**	.850**	.815**	.268
51	zFalseAlarmRate Calm Distractor	-.221	-.500*	-.614**	-.843**	-.497*	-.162	-.660**	-.083	-.178	-.131	-.052	-.363
52	zFalseAlarmRate CalmFear	-.635**	-.312	-.282	-.529**	-.656**	-.451*	.097	-.683**	-.194	-.389	-.431*	-.229
53	zFalseAlarmRate CalmHappy	-.407*	-.354	-.159	-.353	-.443*	-.744**	-.133	-.256	-.834**	-.819**	-.746**	-.275
54	zFalseAlarmRate Calm Target	-.549**	-.390	-.182	-.478*	-.588**	-.792**	-.010	-.412*	-.731**	-.850**	-.815**	-.268
55	zFalseAlarmRate Emotional Distractor	-.752**	-.578**	-.365	-.519**	-.561**	-.757**	.195	-.475*	-.532**	-.734**	-.851**	-.409*
56	zFalseAlarmRate Emotional Target	-.732**	-.745**	-.685**	-.748**	-.561**	-.425*	-.094	-.411*	-.125	-.304	-.478*	-.628**

		13	14	15	16	17	18	19	20	21	22	23	24
57	zFalseAlarmRate FearCalm	-.129	-.176	-.146	-.589**	-.419*	-.327	-.628**	-.114	-.274	-.231	-.112	-.273
58	zFalseAlarmRate Fear Distractor	-.782**	-.811**	-.786**	-.727**	-.620**	-.383	.181	-.580**	-.046	-.432*	-.575**	-.336
59	zFalseAlarmRate FearHappy	-.706**	-.173	-.014	-.153	-.385	-.569**	.386	-.388	-.199	-.380	-.624**	-.466*
60	zFalseAlarmRate Fear Target	-.652**	-.295	-.199	-.519**	-.544**	-.596**	-.113	-.414*	-.229	-.389	-.530**	-.610**
61	zFalseAlarmRate HappyCalm	-.307	-.502*	-.710**	-.655**	-.423*	-.045	-.408*	-.098	-.056	.012	-.022	-.394
62	zFalseAlarmRate Happy Distractor	-.725**	-.384	-.166	-.346	-.498*	-.818**	.153	-.424*	-.587**	-.735**	-.863**	-.509**
63	zFalseAlarmRate HappyFear	-.670**	-.892**	-.793**	-.619**	-.354	-.271	.277	-.324	-.103	-.267	-.428*	-.200
64	zFalseAlarmRate Happy Target	-.492*	-.739**	-.871**	-.636**	-.339	.014	-.135	-.192	.127	.113	-.029	-.380
65	zFalseAlarmRate NonEmotional Distractor	-.221	-.500*	-.614**	-.843**	-.497*	-.162	-.660**	-.083	-.178	-.131	-.052	-.363
66	zFalseAlarmRate NonEmotional Target	-.549**	-.390	-.182	-.478*	-.588**	-.792**	-.010	-.412*	-.731**	-.850**	-.815**	-.268
67	zHitRate Calm Distractor	-.602**	-.717**	-.703**	-.783**	-.414*	-.081	.496*	-.349	-.049	-.240	-.306	.197
68	zHitRate CalmFear	.111	.114	-.054	-.149	-.598**	.412	-.179	.718**	-.078	.505*	.465*	-.033
69	zHitRate CalmHappy	-.439*	-.309	-.391	-.113	-.282	.461*	.074	-.146	.830**	.573**	.444*	-.101
70	zHitRate Calm Target	-.108	-.028	-.284	-.125	-.501*	.705**	-.134	.403	.671**	.826**	.749**	-.059
71	zHitRate Emotional Distractor	-.150	-.189	-.420*	-.282	-.518**	.739**	-.108	.396	.630**	.771**	.742**	.076
72	zHitRate Emotional Target	-.519**	-.751**	-.685**	-.764**	-.340	.013	.425*	-.271	-.034	-.222	-.216	.343
73	zHitRate FearCalm	-.606**	-.624**	-.456*	-.628**	-.404	-.279	.511*	-.333	-.356	-.438*	-.456*	.266
74	zHitRate Fear Distractor	.082	-.132	-.231	-.293	-.608**	.510*	-.285	.674**	.116	.558**	.571**	.037
75	zHitRate FearHappy	-.163	-.341	-.213	-.380	-.120	.162	.226	-.047	-.098	-.079	.083	.645**
76	zHitRate Fear Target	-.508**	-.458*	-.363	-.503*	-.243	-.068	.583**	-.265	-.137	-.250	-.252	.453*
77	zHitRate HappyCalm	-.310	-.592**	-.627**	-.584**	-.283	.080	.233	-.292	.256	-.034	-.104	.014
78	zHitRate Happy Distractor	-.435*	-.360	-.439*	-.223	-.199	.557**	.181	-.160	.788**	.578**	.515**	.208
79	zHitRate HappyFear	-.358	-.809**	-.756**	-.647**	-.316	.120	-.157	-.125	.151	-.092	-.004	-.015
80	zHitRate Happy Target	-.246	-.720**	-.744**	-.686**	-.355	.171	.172	-.059	.092	-.054	-.011	.269
81	zHitRate NonEmotional Distractor	-.602**	-.717**	-.703**	-.783**	-.414*	-.081	.496*	-.349	-.049	-.240	-.306	.197
82	zHitRate NonEmotional Target	-.108	-.028	-.284	-.125	-.501*	.705**	-.134	.403	.671**	.826**	.749**	-.059
83	zMissRate Calm Distractor	.602**	.717**	.703**	.783**	.414*	.081	-.496*	.349	.049	.240	.306	-.197
84	zMissRate CalmFear	-.111	-.114	.054	.149	.598**	-.412	.179	-.718**	.078	-.505*	-.465*	.033
85	zMissRate CalmHappy	.439*	.309	.391	.113	.282	-.461*	-.074	.146	-.830**	-.573**	-.444*	.101

		13	14	15	16	17	18	19	20	21	22	23	24
86	zMissRate Calm Target	.108	.028	.284	.125	.501*	-.705**	.134	-.403	-.671**	-.826**	-.749**	.059
87	zMissRate Emotional Distractor	.150	.189	.420*	.282	.518**	-.739**	.108	-.396	-.630**	-.771**	-.742**	-.076
88	zMissRate Emotional Target	.519**	.751**	.685**	.764**	.340	-.013	-.425*	.271	.034	.222	.216	-.343
89	zMissRate FearCalm	.606**	.624**	.456*	.628**	.404	.279	-.511*	.333	.356	.438*	.456*	-.266
90	zMissRate Fear Distractor	-.082	.132	.231	.293	.608**	-.510*	.285	-.674**	-.116	-.558**	-.571**	-.037
91	zMissRate FearHappy	.163	.341	.213	.380	.120	-.162	-.226	.047	.098	.079	-.083	-.645**
92	zMissRate Fear Target	.508**	.458*	.363	.503*	.243	.068	-.583**	.265	.137	.250	.252	-.453*
93	zMissRate HappyCalm	.310	.592**	.627**	.584**	.283	-.080	-.233	.292	-.256	.034	.104	-.014
94	zMissRate Happy Distractor	.435*	.360	.439*	.223	.199	-.557**	-.181	.160	-.788**	-.578**	-.515**	-.208
95	zMissRate HappyFear	.358	.809**	.756**	.647**	.316	-.120	.157	.125	-.151	.092	.004	.015
96	zMissRate Happy Target	.246	.720**	.744**	.686**	.355	-.171	-.172	.059	-.092	.054	.011	-.269
97	zMissRate NonEmotional Distractor	.602**	.717**	.703**	.783**	.414*	.081	-.496*	.349	.049	.240	.306	-.197
98	zMissRate NonEmotional Target	.108	.028	.284	.125	.501*	-.705**	.134	-.403	-.671**	-.826**	-.749**	.059
99	zRT AllRuns Hits	.264	.226	.000	.070	.081	.529**	-.093	.114	.568**	.528**	.562**	.115
100	zRT Calm Distractor Hits	.166	.197	-.006	.045	-.012	.503**	-.088	.152	.548**	.521**	.536**	.060
101	zRT Calm Target Hits	.417*	.245	.049	.115	.241	.567**	-.082	.074	.539**	.482*	.549**	.197
102	zRT Emotional Distractor Hits	.315	.239	.012	.081	.129	.567**	-.093	.093	.555**	.509**	.555**	.147
103	zRT Emotional Target Hits	.176	.216	-.011	.044	-.005	.501**	-.097	.128	.541**	.516**	.534**	.067
104	zRT Fear Distractor Hits	.405*	.178	.013	.052	.155	.413*	-.089	.146	.373	.354	.396	.154
105	zRT Fear Target Hits	.237	.516**	.215	.211	.032	.467*	-.049	.132	.516**	.511*	.539**	.132
106	zRT Happy Distractor Hits	.244	.248	.057	.070	.113	.561**	-.034	.039	.569**	.489*	.543**	.191
107	zRT Happy Target Hits	.203	.179	-.084	.016	.011	.541**	-.144	.107	.533**	.539**	.555**	.052
108	zRT Hits Calm	.296	.220	.008	.082	.117	.542**	-.086	.118	.582**	.535**	.573**	.132
109	ZRT Hits CalmFear	.604**	.438*	.198	.241	.270	.381	-.083	.138	.337	.348	.429*	.263
110	ZRT Hits CalmHappy	.344	.265	.106	.112	.244	.580**	.022	.021	.560**	.471*	.549**	.301
111	zRT Hits Fear	.264	.246	.010	.089	.062	.504**	-.109	.142	.545**	.520**	.543**	.075
112	ZRT Hits FearCalm	.269	.536**	.255	.254	.065	.479*	-.020	.195	.520**	.527**	.545**	.133
113	ZRT Hits FearHappy	.191	.474*	.162	.153	-.006	.469*	-.079	.054	.490*	.474*	.512*	.125
114	zRT Hits Happy	.223	.237	.018	.062	.054	.527**	-.070	.107	.564**	.522**	.556**	.127

		13	14	15	16	17	18	19	20	21	22	23	24
115	ZRT Hits HappyCalm	.136	.147	-.080	-.015	-.011	.504*	-.090	.050	.509*	.491*	.520**	.074
116	ZRT Hits HappyFear	.280	.207	.029	.016	.056	.431*	-.042	.153	.354	.373	.406*	.181
117	zRT Hits	.264	.226	.000	.070	.081	.529**	-.093	.114	.568**	.528**	.562**	.115
118	zRT Nonemotional Distractor Hits	.166	.197	-.006	.045	-.012	.503**	-.088	.152	.548**	.521**	.536**	.060
119	zRT Nonemotional Target Hits	.417*	.245	.049	.115	.241	.567**	-.082	.074	.539**	.482*	.549**	.197
120	Gender	.151	.147	.110	.214	.062	.224	-.135	.327	.087	.229	.193	-.197
121	AgeYears	.073	.089	.075	.269	.077	.114	.152	.234	.134	.205	.081	-.190

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		25	26	27	28	29	30	31	32	33	34	35	36
1	Criterion	-.006	.372	.381	.306	.043	.240	.257	.209	.020	.159	.623**	.744**
2	Criterion Calm Distractor	.123	.356	-.009	.115	.104	.122	.127	.126	.152	.223	.843**	.529**
3	Criterion CalmFear	.072	-.098	.292	.284	.037	.277	.129	-.076	.054	.058	.375	.699**
4	Criterion CalmHappy	-.031	.437*	.186	.162	.191	.148	.181	.274	.054	.229	.349	.485*
5	Criterion Calm Target	.113	.053	.283	.317	.135	.241	.119	.075	.128	.074	.497*	.656**
6	Criterion Emotional Distractor	-.140	.325	.442*	.248	.041	.258	.339	.193	-.102	.121	.463*	.675**
7	Criterion Emotional Target	-.224	.577**	.355	.142	-.076	.250	.322	.166	-.162	.306	.570**	.625**
8	Criterion FearCalm	.336	.210	.025	.198	.090	.307	.177	-.019	.211	.427*	.723**	.581**
9	Criterion Fear Distractor	.043	.099	.137	.179	-.074	.090	.171	.049	.055	-.053	.567**	.568**
10	Criterion FearHappy	-.374	.553**	.724**	.211	-.102	.518**	.587**	.120	-.476*	.420*	-.059	.625**
11	Criterion Fear Target	-.128	.530**	.517**	.253	-.069	.429*	.414*	.101	-.243	.417*	.363	.686**
12	Criterion HappyCalm	-.015	.388	.040	.133	.103	-.033	.075	.233	.156	.007	.697**	.405*
13	Criterion Happy Distractor	-.253	.660**	.560**	.230	.028	.273	.420*	.300	-.275	.276	.221	.635**
14	Criterion HappyFear	-.224	.532**	.033	-.055	-.028	.076	.286	.202	-.110	.224	.500*	.312
15	Criterion Happy Target	-.150	.444*	-.070	-.074	.117	-.118	.244	.312	.006	-.051	.614**	.282
16	Criterion NonEmotional Distractor	.123	.356	-.009	.115	.104	.122	.127	.126	.152	.223	.843**	.529**
17	Criterion NonEmotional Target	.113	.053	.283	.317	.135	.241	.119	.075	.128	.074	.497*	.656**
18	DPrime	.112	.651**	.554**	.485*	.102	.869**	.348	.108	.085	.894**	.162	.451*
19	DPrime Calm Distractor	.837**	-.338	-.258	.506**	.484*	-.010	-.411*	.253	1.000**	-.071	.660**	-.097
20	DPrime CalmFear	-.103	.872**	.323	.179	-.085	.209	.256	.136	-.191	.484*	.083	.683**
21	DPrime CalmHappy	.019	.116	.156	.109	.239	.831**	.172	-.057	.125	.837**	.178	.194
22	DPrime Calm Target	-.066	.722**	.313	.174	-.028	.821**	.205	-.147	-.071	1.000**	.131	.389
23	DPrime Emotional Distractor	-.178	.841**	.579**	.298	-.048	.878**	.426*	.020	-.195	.934**	.052	.431*
24	DPrime Emotional Target	.390	.285	.627**	.859**	.336	.467*	.208	.558**	.489*	.132	.363	.229
25	DPrime FearCalm	1	-.332	-.197	.621**	.047	-.044	-.482*	-.108	.837**	-.066	.578**	-.021
26	DPrime Fear Distractor	-.332	1	.481*	.139	-.029	.386	.540**	.403	-.338	.722**	.089	.554**
27	DPrime FearHappy	-.197	.481*	1	.615**	-.059	.636**	.444*	.211	-.258	.313	-.157	.445*
28	DPrime Fear Target	.621**	.139	.615**	1	.016	.458*	-.100	.143	.506**	.174	.363	.335

		25	26	27	28	29	30	31	32	33	34	35	36
29	DPrime HappyCalm	.047	-.029	-.059	.016	1	.107	.211	.778**	.484*	-.028	.343	-.034
30	DPrime Happy Distractor	-.044	.386	.636**	.458*	.107	1	.339	.045	-.010	.821**	.087	.352
31	DPrime HappyFear	-.482*	.540**	.444*	-.100	.211	.339	1	.519**	-.411*	.205	-.127	.277
32	DPrime Happy Target	-.108	.403	.211	.143	.778**	.045	.519**	1	.253	-.147	.233	.042
33	DPrime NonEmotional Distractor	.837**	-.338	-.258	.506**	.484*	-.010	-.411*	.253	1	-.071	.660**	-.097
34	DPrime NonEmotional Target	-.066	.722**	.313	.174	-.028	.821**	.205	-.147	-.071	1	.131	.389
35	zCorrectRejectionRate Calm Distractor	.578**	.089	-.157	.363	.343	.087	-.127	.233	.660**	.131	1	.334
36	zCorrectRejectionRate CalmFear	-.021	.554**	.445*	.335	-.034	.352	.277	.042	-.097	.389	.334	1
37	zCorrectRejectionRate CalmHappy	-.001	.367	.226	.180	.303	.769**	.243	.104	.133	.819**	.340	.415*
38	zCorrectRejectionRate Calm Target	.006	.513*	.403	.308	.048	.793**	.229	-.080	.010	.850**	.369	.661**
39	zCorrectRejectionRate Emotional Distractor	-.204	.717**	.657**	.347	-.012	.768**	.488*	.119	-.195	.734**	.288	.669**
40	zCorrectRejectionRate Emotional Target	.035	.581**	.627**	.505**	.093	.412*	.352	.387	.094	.304	.620**	.624**
41	zCorrectRejectionRate FearCalm	.797**	-.067	-.100	.492*	.084	.169	-.172	-.076	.628**	.231	.799**	.355
42	zCorrectRejectionRate Fear Distractor	-.207	.718**	.436*	.216	-.071	.314	.470*	.296	-.181	.432*	.455*	.785**
43	zCorrectRejectionRate FearHappy	-.301	.553**	.938**	.459*	-.085	.626**	.550**	.181	-.388	.391	-.119	.570**
44	zCorrectRejectionRate Fear Target	.260	.440*	.713**	.737**	-.040	.556**	.233	.151	.113	.389	.456*	.675**
45	zCorrectRejectionRate HappyCalm	.018	.275	-.010	.107	.683**	.041	.183	.644**	.408*	-.012	.720**	.235
46	zCorrectRejectionRate Happy Distractor	-.162	.628**	.747**	.450*	.091	.861**	.465*	.191	-.153	.735**	.179	.581**
47	zCorrectRejectionRate HappyFear	-.383	.658**	.240	-.088	.078	.218	.688**	.397*	-.277	.267	.319	.339
48	zCorrectRejectionRate Happy Target	-.158	.533**	.071	.022	.486*	-.060	.442*	.739**	.135	-.113	.557**	.209
49	zCorrectRejectionRate NonEmotional Distractor	.578**	.089	-.157	.363	.343	.087	-.127	.233	.660**	.131	1.000**	.334
50	zCorrectRejectionRate NonEmotional Target	.006	.513*	.403	.308	.048	.793**	.229	-.080	.010	.850**	.369	.661**
51	zFalseAlarmRate Calm Distractor	-.578**	-.089	.157	-.363	-.343	-.087	.127	-.233	-.660**	-.131	-1.000**	-.334
52	zFalseAlarmRate CalmFear	.021	-.554**	-.445*	-.335	.034	-.352	-.277	-.042	.097	-.389	-.334	-1.000**
53	zFalseAlarmRate CalmHappy	.001	-.367	-.226	-.180	-.303	-.769**	-.243	-.104	-.133	-.819**	-.340	-.415*
54	zFalseAlarmRate Calm Target	-.006	-.513*	-.403	-.308	-.048	-.793**	-.229	.080	-.010	-.850**	-.369	-.661**
55	zFalseAlarmRate Emotional Distractor	.204	-.717**	-.657**	-.347	.012	-.768**	-.488*	-.119	.195	-.734**	-.288	-.669**
56	zFalseAlarmRate Emotional Target	-.035	-.581**	-.627**	-.505**	-.093	-.412*	-.352	-.387	-.094	-.304	-.620**	-.624**

		25	26	27	28	29	30	31	32	33	34	35	36
57	zFalseAlarmRate FearCalm	-.797**	.067	.100	-.492*	-.084	-.169	.172	.076	-.628**	-.231	-.799**	-.355
58	zFalseAlarmRate Fear Distractor	.207	-.718**	-.436*	-.216	.071	-.314	-.470*	-.296	.181	-.432*	-.455*	-.785**
59	zFalseAlarmRate FearHappy	.325	-.551**	-.920**	-.430*	.028	-.616**	-.591**	-.228	.386	-.380	.111	-.549**
60	zFalseAlarmRate Fear Target	-.260	-.440*	-.713**	-.737**	.040	-.556**	-.233	-.151	-.113	-.389	-.456*	-.675**
61	zFalseAlarmRate HappyCalm	-.018	-.275	.010	-.107	-.683**	-.041	-.183	-.644**	-.408*	.012	-.720**	-.235
62	zFalseAlarmRate Happy Distractor	.162	-.628**	-.747**	-.450*	-.091	-.861**	-.465*	-.191	.153	-.735**	-.179	-.581**
63	zFalseAlarmRate HappyFear	.383	-.658**	-.240	.088	-.078	-.218	-.688**	-.397*	.277	-.267	-.319	-.339
64	zFalseAlarmRate Happy Target	.158	-.533**	-.071	-.022	-.486*	.060	-.442*	-.739**	-.135	.113	-.557**	-.209
65	zFalseAlarmRate NonEmotional Distractor	-.578**	-.089	.157	-.363	-.343	-.087	.127	-.233	-.660**	-.131	-1.000**	-.334
66	zFalseAlarmRate NonEmotional Target	-.006	-.513*	-.403	-.308	-.048	-.793**	-.229	.080	-.010	-.850**	-.369	-.661**
67	zHitRate Calm Distractor	.454*	-.531**	-.165	.218	.213	-.113	-.370	.048	.496*	-.240	-.324	-.511*
68	zHitRate CalmFear	-.129	.668**	.016	-.084	-.094	-.033	.088	.151	-.179	.505*	-.211	-.016
69	zHitRate CalmHappy	.034	-.218	.031	.001	.093	.612**	.043	-.201	.074	.573**	-.046	-.103
70	zHitRate Calm Target	-.121	.501*	.114	-.028	-.101	.577**	.111	-.170	-.134	.826**	-.168	-.029
71	zHitRate Emotional Distractor	-.075	.432*	.249	.101	-.073	.625**	.155	-.115	-.108	.771**	-.273	-.041
72	zHitRate Emotional Target	.420*	-.409*	.064	.336	.258	.016	-.195	.148	.425*	-.222	-.348	-.400
73	zHitRate FearCalm	.520**	-.489*	-.188	.342	-.041	-.313	-.562**	-.073	.511*	-.438*	-.166	-.539**
74	zHitRate Fear Distractor	-.271	.641**	.253	-.039	.037	.207	.255	.251	-.285	.558**	-.374	.002
75	zHitRate FearHappy	.186	.017	.515*	.608**	.044	.255	-.101	.149	.226	-.079	-.149	-.148
76	zHitRate Fear Target	.551**	-.377	-.025	.493*	.074	-.055	-.444*	.013	.583**	-.250	-.064	-.371
77	zHitRate HappyCalm	.060	-.369	-.097	-.101	.594**	.089	.076	.335	.233	-.034	-.334	-.382
78	zHitRate Happy Distractor	.129	-.208	.228	.270	.080	.747**	.027	-.165	.181	.578**	-.071	-.094
79	zHitRate HappyFear	-.165	-.192	.348	-.011	.149	.204	.335	.111	-.157	-.092	-.574**	-.114
80	zHitRate Happy Target	.056	-.178	.235	.172	.434*	.146	.130	.403*	.172	-.054	-.428*	-.234
81	zHitRate NonEmotional Distractor	.454*	-.531**	-.165	.218	.213	-.113	-.370	.048	.496*	-.240	-.324	-.511*
82	zHitRate NonEmotional Target	-.121	.501*	.114	-.028	-.101	.577**	.111	-.170	-.134	.826**	-.168	-.029
83	zMissRate Calm Distractor	-.454*	.531**	.165	-.218	-.213	.113	.370	-.048	-.496*	.240	.324	.511*
84	zMissRate CalmFear	.129	-.668**	-.016	.084	.094	.033	-.088	-.151	.179	-.505*	.211	.016
85	zMissRate CalmHappy	-.034	.218	-.031	-.001	-.093	-.612**	-.043	.201	-.074	-.573**	.046	.103

		25	26	27	28	29	30	31	32	33	34	35	36
86	zMissRate Calm Target	.121	-.501*	-.114	.028	.101	-.577**	-.111	.170	.134	-.826**	.168	.029
87	zMissRate Emotional Distractor	.075	-.432*	-.249	-.101	.073	-.625**	-.155	.115	.108	-.771**	.273	.041
88	zMissRate Emotional Target	-.420*	.409*	-.064	-.336	-.258	-.016	.195	-.148	-.425*	.222	.348	.400
89	zMissRate FearCalm	-.520**	.489*	.188	-.342	.041	.313	.562**	.073	-.511*	.438*	.166	.539**
90	zMissRate Fear Distractor	.271	-.641**	-.253	.039	-.037	-.207	-.255	-.251	.285	-.558**	.374	-.002
91	zMissRate FearHappy	-.186	-.017	-.515*	-.608**	-.044	-.255	.101	-.149	-.226	.079	.149	.148
92	zMissRate Fear Target	-.551**	.377	.025	-.493*	-.074	.055	.444*	-.013	-.583**	.250	.064	.371
93	zMissRate HappyCalm	-.060	.369	.097	.101	-.594**	-.089	-.076	-.335	-.233	.034	.334	.382
94	zMissRate Happy Distractor	-.129	.208	-.228	-.270	-.080	-.747**	-.027	.165	-.181	-.578**	.071	.094
95	zMissRate HappyFear	.165	.192	-.348	.011	-.149	-.204	-.335	-.111	.157	.092	.574**	.114
96	zMissRate Happy Target	-.056	.178	-.235	-.172	-.434*	-.146	-.130	-.403*	-.172	.054	.428*	.234
97	zMissRate NonEmotional Distractor	-.454*	.531**	.165	-.218	-.213	.113	.370	-.048	-.496*	.240	.324	.511*
98	zMissRate NonEmotional Target	.121	-.501*	-.114	.028	.101	-.577**	-.111	.170	.134	-.826**	.168	.029
99	zRT AllRuns Hits	-.094	.254	.320	.025	.191	.527**	.449*	.150	-.093	.528**	.002	.105
100	zRT Calm Distractor Hits	-.105	.255	.252	-.035	.192	.477*	.397*	.131	-.088	.521**	-.014	.073
101	zRT Calm Target Hits	-.092	.263	.427*	.100	.248	.549**	.513**	.219	-.082	.482*	.043	.169
102	zRT Emotional Distractor Hits	-.073	.251	.352	.061	.190	.534**	.469*	.166	-.093	.509**	.011	.118
103	zRT Emotional Target Hits	-.080	.240	.247	-.012	.141	.479*	.387	.101	-.097	.516**	-.019	.058
104	zRT Fear Distractor Hits	-.068	.229	.326	.059	.299	.347	.406*	.388	-.089	.354	-.008	.156
105	zRT Fear Target Hits	-.084	.316	.192	.014	.123	.449*	.341	.147	-.049	.511*	.127	.062
106	zRT Happy Distractor Hits	-.040	.234	.336	.075	.213	.543**	.493*	.186	-.034	.489*	.035	.073
107	zRT Happy Target Hits	-.073	.207	.289	.013	.063	.506**	.352	.008	-.144	.539**	-.066	.052
108	zRT Hits Calm	-.111	.265	.353	.030	.235	.546**	.479*	.183	-.086	.535**	.015	.134
109	ZRT Hits CalmFear	-.163	.303	.360	.102	.361	.358	.439*	.531*	-.083	.348	.129	.215
110	ZRT Hits CalmHappy	.000	.246	.419*	.175	.251	.585**	.526**	.233	.022	.471*	.097	.132
111	zRT Hits Fear	-.102	.260	.273	-.002	.171	.487*	.406*	.139	-.109	.520**	.008	.113
112	ZRT Hits FearCalm	-.075	.352	.183	.014	.163	.441*	.315	.172	-.020	.527**	.176	.118
113	ZRT Hits FearHappy	-.081	.260	.194	.013	.073	.440*	.356	.113	-.079	.474*	.067	-.006
114	zRT Hits Happy	-.066	.251	.298	.033	.174	.521**	.435*	.140	-.070	.522**	.009	.078

		25	26	27	28	29	30	31	32	33	34	35	36
115	ZRT Hits HappyCalm	-.095	.172	.281	-.024	.142	.480*	.401	.086	-.090	.491*	-.058	.006
116	ZRT Hits HappyFear	.062	.227	.254	.110	.153	.341	.324	.267	-.042	.373	-.011	.070
117	zRT Hits	-.094	.254	.320	.025	.191	.527**	.449*	.150	-.093	.528**	.002	.105
118	zRT Nonemotional Distractor Hits	-.105	.255	.252	-.035	.192	.477*	.397*	.131	-.088	.521**	-.014	.073
119	zRT Nonemotional Target Hits	-.092	.263	.427*	.100	.248	.549**	.513**	.219	-.082	.482*	.043	.169
120	Gender	.070	.262	-.009	-.059	-.185	.050	.142	-.216	-.135	.229	.089	.219
121	AgeYears	.125	.120	-.148	-.107	.046	-.083	-.040	-.067	.152	.205	.287	.256

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		37	38	39	40	41	42	43	44	45	46	47	48
1	Criterion	.415*	.569**	.703**	.869**	.458*	.867**	.531**	.676**	.544**	.575**	.673**	.614**
2	Criterion Calm Distractor	.353	.478*	.519**	.748**	.589**	.727**	.144	.519**	.655**	.346	.619**	.636**
3	Criterion CalmFear	.317	.501*	.451*	.451*	.375	.506*	.398	.519**	.226	.379	.147	.098
4	Criterion CalmHappy	.562**	.531**	.556**	.545**	.188	.631**	.236	.306	.447*	.509**	.538**	.492*
5	Criterion Calm Target	.443*	.588**	.561**	.561**	.419*	.620**	.373	.544**	.423*	.498*	.354	.339
6	Criterion Emotional Distractor	.393	.569**	.721**	.790**	.280	.838**	.587**	.638**	.466*	.609**	.668**	.553**
7	Criterion Emotional Target	.350	.528**	.732**	.895**	.324	.890**	.554**	.635**	.496*	.565**	.801**	.643**
8	Criterion FearCalm	.512*	.639**	.550**	.610**	.836**	.563**	.236	.646**	.249	.448*	.404	.232
9	Criterion Fear Distractor	.294	.529**	.584**	.676**	.393	.763**	.270	.459*	.461*	.353	.585**	.564**
10	Criterion FearHappy	.345	.562**	.782**	.661**	.058	.658**	.919**	.740**	-.030	.769**	.492*	.127
11	Criterion Fear Target	.368	.616**	.759**	.718**	.402	.711**	.738**	.840**	.188	.703**	.548**	.296
12	Criterion HappyCalm	.149	.251	.375	.706**	.187	.721**	.049	.293	.797**	.185	.571**	.737**
13	Criterion Happy Distractor	.407*	.549**	.752**	.732**	.129	.782**	.708**	.652**	.307	.725**	.670**	.492*
14	Criterion HappyFear	.354	.390	.578**	.745**	.176	.811**	.176	.295	.502*	.384	.892**	.739**
15	Criterion Happy Target	.159	.182	.365	.685**	.146	.786**	.006	.199	.710**	.166	.793**	.871**
16	Criterion NonEmotional Distractor	.353	.478*	.519**	.748**	.589**	.727**	.144	.519**	.655**	.346	.619**	.636**
17	Criterion NonEmotional Target	.443*	.588**	.561**	.561**	.419*	.620**	.373	.544**	.423*	.498*	.354	.339
18	DPrime	.744**	.792**	.757**	.425*	.327	.383	.570**	.596**	.045	.818**	.271	-.014
19	DPrime Calm Distractor	.133	.010	-.195	.094	.628**	-.181	-.388	.113	.408*	-.153	-.277	.135
20	DPrime CalmFear	.256	.412*	.475*	.411*	.114	.580**	.390	.414*	.098	.424*	.324	.192
21	DPrime CalmHappy	.834**	.731**	.532**	.125	.274	.046	.218	.229	.056	.587**	.103	-.127
22	DPrime Calm Target	.819**	.850**	.734**	.304	.231	.432*	.391	.389	-.012	.735**	.267	-.113
23	DPrime Emotional Distractor	.746**	.815**	.851**	.478*	.112	.575**	.630**	.530**	.022	.863**	.428*	.029
24	DPrime Emotional Target	.275	.268	.409*	.628**	.273	.336	.458*	.610**	.394	.509**	.200	.380
25	DPrime FearCalm	-.001	.006	-.204	.035	.797**	-.207	-.301	.260	.018	-.162	-.383	-.158
26	DPrime Fear Distractor	.367	.513*	.717**	.581**	-.067	.718**	.553**	.440*	.275	.628**	.658**	.533**
27	DPrime FearHappy	.226	.403	.657**	.627**	-.100	.436*	.938**	.713**	-.010	.747**	.240	.071
28	DPrime Fear Target	.180	.308	.347	.505**	.492*	.216	.459*	.737**	.107	.450*	-.088	.022

		37	38	39	40	41	42	43	44	45	46	47	48
29	DPrime HappyCalm	.303	.048	-.012	.093	.084	-.071	-.085	-.040	.683**	.091	.078	.486*
30	DPrime Happy Distractor	.769**	.793**	.768**	.412*	.169	.314	.626**	.556**	.041	.861**	.218	-.060
31	DPrime HappyFear	.243	.229	.488*	.352	-.172	.470*	.550**	.233	.183	.465*	.688**	.442*
32	DPrime Happy Target	.104	-.080	.119	.387	-.076	.296	.181	.151	.644**	.191	.397*	.739**
33	DPrime NonEmotional Distractor	.133	.010	-.195	.094	.628**	-.181	-.388	.113	.408*	-.153	-.277	.135
34	DPrime NonEmotional Target	.819**	.850**	.734**	.304	.231	.432*	.391	.389	-.012	.735**	.267	-.113
35	zCorrectRejectionRate Calm Distractor	.340	.369	.288	.620**	.799**	.455*	-.119	.456*	.720**	.179	.319	.557**
36	zCorrectRejectionRate CalmFear	.415*	.661**	.669**	.624**	.355	.785**	.570**	.675**	.235	.581**	.339	.209
37	zCorrectRejectionRate CalmHappy	1	.898**	.746**	.404*	.324	.443*	.303	.358	.293	.766**	.382	.167
38	zCorrectRejectionRate Calm Target	.898**	1	.892**	.543**	.408*	.703**	.514*	.603**	.214	.859**	.403*	.088
39	zCorrectRejectionRate Emotional Distractor	.746**	.892**	1	.770**	.228	.874**	.770**	.725**	.268	.948**	.668**	.320
40	zCorrectRejectionRate Emotional Target	.404*	.543**	.770**	1	.407*	.850**	.692**	.784**	.575**	.683**	.730**	.686**
41	zCorrectRejectionRate FearCalm	.324	.408*	.228	.407*	1	.223	-.028	.562**	.169	.188	.030	.054
42	zCorrectRejectionRate Fear Distractor	.443*	.703**	.874**	.850**	.223	1	.579**	.607**	.501*	.654**	.837**	.740**
43	zCorrectRejectionRate FearHappy	.303	.514*	.770**	.692**	-.028	.579**	1	.782**	-.021	.815**	.385	.104
44	zCorrectRejectionRate Fear Target	.358	.603**	.725**	.784**	.562**	.607**	.782**	1	.191	.743**	.333	.219
45	zCorrectRejectionRate HappyCalm	.293	.214	.268	.575**	.169	.501*	-.021	.191	1	.192	.467*	.837**
46	zCorrectRejectionRate Happy Distractor	.766**	.859**	.948**	.683**	.188	.654**	.815**	.743**	.192	1	.510**	.217
47	zCorrectRejectionRate HappyFear	.382	.403*	.668**	.730**	.030	.837**	.385	.333	.467*	.510**	1	.768**
48	zCorrectRejectionRate Happy Target	.167	.088	.320	.686**	.054	.740**	.104	.219	.837**	.217	.768**	1
49	zCorrectRejectionRate NonEmotional Distractor	.340	.369	.288	.620**	.799**	.455*	-.119	.456*	.720**	.179	.319	.557**
50	zCorrectRejectionRate NonEmotional Target	.898**	1.000**	.892**	.543**	.408*	.703**	.514*	.603**	.214	.859**	.403*	.088
51	zFalseAlarmRate Calm Distractor	-.340	-.369	-.288	-.620**	-.799**	-.455*	.119	-.456*	-.720**	-.179	-.319	-.557**
52	zFalseAlarmRate CalmFear	-.415*	-.661**	-.669**	-.624**	-.355	-.785**	-.570**	-.675**	-.235	-.581**	-.339	-.209
53	zFalseAlarmRate CalmHappy	-1.000**	-.898**	-.746**	-.404*	-.324	-.443*	-.303	-.358	-.293	-.766**	-.382	-.167
54	zFalseAlarmRate Calm Target	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.514*	-.603**	-.214	-.859**	-.403*	-.088
55	zFalseAlarmRate Emotional Distractor	-.746**	-.892**	-1.000**	-.770**	-.228	-.874**	-.770**	-.725**	-.268	-.948**	-.668**	-.320
56	zFalseAlarmRate Emotional Target	-.404*	-.543**	-.770**	-1.000**	-.407*	-.850**	-.692**	-.784**	-.575**	-.683**	-.730**	-.686**

		37	38	39	40	41	42	43	44	45	46	47	48
57	zFalseAlarmRate FearCalm	-.324	-.408*	-.228	-.407*	-1.000**	-.223	.028	-.562**	-.169	-.188	-.030	-.054
58	zFalseAlarmRate Fear Distractor	-.443*	-.703**	-.874**	-.850**	-.223	-1.000**	-.579**	-.607**	-.501*	-.654**	-.837**	-.740**
59	zFalseAlarmRate FearHappy	-.300	-.512*	-.769**	-.697**	.050	-.577**	-.978**	-.758**	-.036	-.808**	-.403	-.135
60	zFalseAlarmRate Fear Target	-.358	-.603**	-.725**	-.784**	-.562**	-.607**	-.782**	-1.000**	-.191	-.743**	-.333	-.219
61	zFalseAlarmRate HappyCalm	-.293	-.214	-.268	-.575**	-.169	-.501*	.021	-.191	-1.000**	-.192	-.467*	-.837**
62	zFalseAlarmRate Happy Distractor	-.766**	-.859**	-.948**	-.683**	-.188	-.654**	-.815**	-.743**	-.192	-1.000**	-.510**	-.217
63	zFalseAlarmRate HappyFear	-.382	-.403*	-.668**	-.730**	-.030	-.837**	-.385	-.333	-.467*	-.510**	-1.000**	-.768**
64	zFalseAlarmRate Happy Target	-.167	-.088	-.320	-.686**	-.054	-.740**	-.104	-.219	-.837**	-.217	-.768**	-1.000**
65	zFalseAlarmRate NonEmotional Distractor	-.340	-.369	-.288	-.620**	-.799**	-.455*	.119	-.456*	-.720**	-.179	-.319	-.557**
66	zFalseAlarmRate NonEmotional Target	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.514*	-.603**	-.214	-.859**	-.403*	-.088
67	zHitRate Calm Distractor	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.380	-.385	-.318	-.400*	-.718**	-.474*
68	zHitRate CalmFear	-.029	-.059	.026	-.043	-.182	.034	-.010	-.081	-.110	.041	.117	.044
69	zHitRate CalmHappy	.385	.315	.135	-.200	.132	-.408*	.057	.021	-.203	.207	-.214	-.381
70	zHitRate Calm Target	.460*	.405*	.320	-.053	-.033	-.149	.131	.030	-.249	.356	.031	-.289
71	zHitRate Emotional Distractor	.410*	.352	.280	-.110	-.079	-.235	.201	.043	-.303	.368	-.071	-.357
72	zHitRate Emotional Target	-.185	-.360	-.478*	-.515**	-.117	-.688**	-.205	-.275	-.260	-.263	-.660**	-.409*
73	zHitRate FearCalm	-.460*	-.568**	-.664**	-.518**	-.101	-.704**	-.463*	-.362	-.208	-.537**	-.682**	-.340
74	zHitRate Fear Distractor	.037	-.040	.063	-.105	-.325	-.074	.212	-.039	-.158	.178	.020	-.053
75	zHitRate FearHappy	-.110	-.128	-.042	.065	-.214	-.177	.185	.089	.023	.101	-.271	-.058
76	zHitRate Fear Target	-.201	-.331	-.432*	-.281	-.009	-.484*	-.330	-.224	-.091	-.308	-.556**	-.251
77	zHitRate HappyCalm	.081	-.174	-.321	-.514*	-.089	-.631**	-.125	-.272	-.185	-.103	-.412*	-.271
78	zHitRate Happy Distractor	.438*	.363	.199	-.120	.073	-.379	.118	.070	-.174	.305	-.259	-.396*
79	zHitRate HappyFear	-.206	-.273	-.283	-.517**	-.346	-.508*	.283	-.143	-.407*	-.081	-.455*	-.520**
80	zHitRate Happy Target	-.080	-.231	-.268	-.387	-.199	-.572**	.139	-.085	-.231	-.025	-.484*	-.319
81	zHitRate NonEmotional Distractor	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.380	-.385	-.318	-.400*	-.718**	-.474*
82	zHitRate NonEmotional Target	.460*	.405*	.320	-.053	-.033	-.149	.131	.030	-.249	.356	.031	-.289
83	zMissRate Calm Distractor	.226	.414*	.579**	.598**	.079	.765**	.380	.385	.318	.400*	.718**	.474*
84	zMissRate CalmFear	.029	.059	-.026	.043	.182	-.034	.010	.081	.110	-.041	-.117	-.044
85	zMissRate CalmHappy	-.385	-.315	-.135	.200	-.132	.408*	-.057	-.021	.203	-.207	.214	.381

		37	38	39	40	41	42	43	44	45	46	47	48
86	zMissRate Calm Target	-.460*	-.405*	-.320	.053	.033	.149	-.131	-.030	.249	-.356	-.031	.289
87	zMissRate Emotional Distractor	-.410*	-.352	-.280	.110	.079	.235	-.201	-.043	.303	-.368	.071	.357
88	zMissRate Emotional Target	.185	.360	.478*	.515**	.117	.688**	.205	.275	.260	.263	.660**	.409*
89	zMissRate FearCalm	.460*	.568**	.664**	.518**	.101	.704**	.463*	.362	.208	.537**	.682**	.340
90	zMissRate Fear Distractor	-.037	.040	-.063	.105	.325	.074	-.212	.039	.158	-.178	-.020	.053
91	zMissRate FearHappy	.110	.128	.042	-.065	.214	.177	-.185	-.089	-.023	-.101	.271	.058
92	zMissRate Fear Target	.201	.331	.432*	.281	.009	.484*	.330	.224	.091	.308	.556**	.251
93	zMissRate HappyCalm	-.081	.174	.321	.514*	.089	.631**	.125	.272	.185	.103	.412*	.271
94	zMissRate Happy Distractor	-.438*	-.363	-.199	.120	-.073	.379	-.118	-.070	.174	-.305	.259	.396*
95	zMissRate HappyFear	.206	.273	.283	.517**	.346	.508*	-.283	.143	.407*	.081	.455*	.520**
96	zMissRate Happy Target	.080	.231	.268	.387	.199	.572**	-.139	.085	.231	.025	.484*	.319
97	zMissRate NonEmotional Distractor	.226	.414*	.579**	.598**	.079	.765**	.380	.385	.318	.400*	.718**	.474*
98	zMissRate NonEmotional Target	-.460*	-.405*	-.320	.053	.033	.149	-.131	-.030	.249	-.356	-.031	.289
99	zRT AllRuns Hits	.562**	.471*	.488*	.169	.135	.172	.403	.243	-.055	.517**	.383	.078
100	zRT Calm Distractor Hits	.518**	.416*	.414*	.096	.098	.115	.304	.135	-.050	.430*	.336	.063
101	zRT Calm Target Hits	.587**	.518**	.567**	.265	.224	.258	.538**	.355	.041	.613**	.427*	.148
102	zRT Emotional Distractor Hits	.565**	.481*	.513**	.207	.232	.200	.447*	.295	-.052	.549**	.402*	.094
103	zRT Emotional Target Hits	.511**	.416*	.421*	.115	.122	.125	.309	.171	-.099	.437*	.346	.045
104	zRT Fear Distractor Hits	.422*	.339	.384	.179	.214	.162	.438*	.308	-.030	.455*	.327	.198
105	zRT Fear Target Hits	.523**	.434*	.498*	.355	.117	.328	.259	.212	.031	.446*	.503*	.223
106	zRT Happy Distractor Hits	.566**	.457*	.492*	.200	.214	.203	.395	.238	.002	.518**	.420*	.137
107	zRT Happy Target Hits	.510**	.443*	.437*	.101	.183	.081	.348	.202	-.177	.470*	.301	-.055
108	zRT Hits Calm	.587**	.495*	.514**	.184	.130	.188	.441*	.256	-.010	.548**	.392	.100
109	ZRT Hits CalmFear	.462*	.411	.555**	.522*	.172	.371	.514*	.450*	.144	.565**	.497*	.420
110	ZRT Hits CalmHappy	.611**	.511**	.557**	.282	.235	.270	.466*	.312	.102	.601**	.449*	.196
111	zRT Hits Fear	.537**	.455*	.472*	.172	.141	.179	.373	.243	-.072	.489*	.378	.079
112	ZRT Hits FearCalm	.550**	.463*	.513*	.370	.136	.362	.250	.210	.098	.457*	.503*	.263
113	ZRT Hits FearHappy	.472*	.383	.462*	.324	.161	.274	.259	.206	-.046	.416*	.484*	.169
114	zRT Hits Happy	.553**	.452*	.468*	.160	.136	.167	.358	.211	-.053	.491*	.384	.085

		37	38	39	40	41	42	43	44	45	46	47	48
115	ZRT Hits HappyCalm	.479*	.387	.387	.072	.135	.047	.314	.124	-.108	.417*	.299	-.012
116	ZRT Hits HappyFear	.382	.284	.317	.143	.247	.135	.295	.242	-.111	.379	.310	.152
117	zRT Hits	.562**	.471*	.488*	.169	.135	.172	.403	.243	-.055	.517**	.383	.078
118	zRT Nonemotional Distractor Hits	.518**	.416*	.414*	.096	.098	.115	.304	.135	-.050	.430*	.336	.063
119	zRT Nonemotional Target Hits	.587**	.518**	.567**	.265	.224	.258	.538**	.355	.041	.613**	.427*	.148
120	Gender	.102	.218	.181	.025	.273	.198	.066	.124	-.097	.116	.178	-.034
121	AgeYears	.172	.207	.088	.021	.330	.127	-.034	.061	.103	-.021	.049	.019

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		49	50	51	52	53	54	55	56	57	58	59	60
1	Criterion	.623**	.569**	-.623**	-.744**	-.415*	-.569**	-.703**	-.869**	-.458*	-.867**	-.523**	-.676**
2	Criterion Calm Distractor	.843**	.478*	-.843**	-.529**	-.353	-.478*	-.519**	-.748**	-.589**	-.727**	-.153	-.519**
3	Criterion CalmFear	.375	.501*	-.375	-.699**	-.317	-.501*	-.451*	-.451*	-.375	-.506*	-.371	-.519**
4	Criterion CalmHappy	.349	.531**	-.349	-.485*	-.562**	-.531**	-.556**	-.545**	-.188	-.631**	-.260	-.306
5	Criterion Calm Target	.497*	.588**	-.497*	-.656**	-.443*	-.588**	-.561**	-.561**	-.419*	-.620**	-.385	-.544**
6	Criterion Emotional Distractor	.463*	.569**	-.463*	-.675**	-.393	-.569**	-.721**	-.790**	-.280	-.838**	-.593**	-.638**
7	Criterion Emotional Target	.570**	.528**	-.570**	-.625**	-.350	-.528**	-.732**	-.895**	-.324	-.890**	-.554**	-.635**
8	Criterion FearCalm	.723**	.639**	-.723**	-.581**	-.512*	-.639**	-.550**	-.610**	-.836**	-.563**	-.224	-.646**
9	Criterion Fear Distractor	.567**	.529**	-.567**	-.568**	-.294	-.529**	-.584**	-.676**	-.393	-.763**	-.270	-.459*
10	Criterion FearHappy	-.059	.562**	.059	-.625**	-.345	-.562**	-.782**	-.661**	-.058	-.658**	-.895**	-.740**
11	Criterion Fear Target	.363	.616**	-.363	-.686**	-.368	-.616**	-.759**	-.718**	-.402	-.711**	-.727**	-.840**
12	Criterion HappyCalm	.697**	.251	-.697**	-.405*	-.149	-.251	-.375	-.706**	-.187	-.721**	-.083	-.293
13	Criterion Happy Distractor	.221	.549**	-.221	-.635**	-.407*	-.549**	-.752**	-.732**	-.129	-.782**	-.706**	-.652**
14	Criterion HappyFear	.500*	.390	-.500*	-.312	-.354	-.390	-.578**	-.745**	-.176	-.811**	-.173	-.295
15	Criterion Happy Target	.614**	.182	-.614**	-.282	-.159	-.182	-.365	-.685**	-.146	-.786**	-.014	-.199
16	Criterion NonEmotional Distractor	.843**	.478*	-.843**	-.529**	-.353	-.478*	-.519**	-.748**	-.589**	-.727**	-.153	-.519**
17	Criterion NonEmotional Target	.497*	.588**	-.497*	-.656**	-.443*	-.588**	-.561**	-.561**	-.419*	-.620**	-.385	-.544**
18	DPrime	.162	.792**	-.162	-.451*	-.744**	-.792**	-.757**	-.425*	-.327	-.383	-.569**	-.596**
19	DPrime Calm Distractor	.660**	.010	-.660**	.097	-.133	-.010	.195	-.094	-.628**	.181	.386	-.113
20	DPrime CalmFear	.083	.412*	-.083	-.683**	-.256	-.412*	-.475*	-.411*	-.114	-.580**	-.388	-.414*
21	DPrime CalmHappy	.178	.731**	-.178	-.194	-.834**	-.731**	-.532**	-.125	-.274	-.046	-.199	-.229
22	DPrime Calm Target	.131	.850**	-.131	-.389	-.819**	-.850**	-.734**	-.304	-.231	-.432*	-.380	-.389
23	DPrime Emotional Distractor	.052	.815**	-.052	-.431*	-.746**	-.815**	-.851**	-.478*	-.112	-.575**	-.624**	-.530**
24	DPrime Emotional Target	.363	.268	-.363	-.229	-.275	-.268	-.409*	-.628**	-.273	-.336	-.466*	-.610**
25	DPrime FearCalm	.578**	.006	-.578**	.021	.001	-.006	.204	-.035	-.797**	.207	.325	-.260
26	DPrime Fear Distractor	.089	.513*	-.089	-.554**	-.367	-.513*	-.717**	-.581**	.067	-.718**	-.551**	-.440*
27	DPrime FearHappy	-.157	.403	.157	-.445*	-.226	-.403	-.657**	-.627**	.100	-.436*	-.920**	-.713**
28	DPrime Fear Target	.363	.308	-.363	-.335	-.180	-.308	-.347	-.505**	-.492*	-.216	-.430*	-.737**

		49	50	51	52	53	54	55	56	57	58	59	60
29	DPrime HappyCalm	.343	.048	-.343	.034	-.303	-.048	.012	-.093	-.084	.071	.028	.040
30	DPrime Happy Distractor	.087	.793**	-.087	-.352	-.769**	-.793**	-.768**	-.412*	-.169	-.314	-.616**	-.556**
31	DPrime HappyFear	-.127	.229	.127	-.277	-.243	-.229	-.488*	-.352	.172	-.470*	-.591**	-.233
32	DPrime Happy Target	.233	-.080	-.233	-.042	-.104	.080	-.119	-.387	.076	-.296	-.228	-.151
33	DPrime NonEmotional Distractor	.660**	.010	-.660**	.097	-.133	-.010	.195	-.094	-.628**	.181	.386	-.113
34	DPrime NonEmotional Target	.131	.850**	-.131	-.389	-.819**	-.850**	-.734**	-.304	-.231	-.432*	-.380	-.389
35	zCorrectRejectionRate Calm Distractor	1.000**	.369	-1.000**	-.334	-.340	-.369	-.288	-.620**	-.799**	-.455*	.111	-.456*
36	zCorrectRejectionRate CalmFear	.334	.661**	-.334	-1.000**	-.415*	-.661**	-.669**	-.624**	-.355	-.785**	-.549**	-.675**
37	zCorrectRejectionRate CalmHappy	.340	.898**	-.340	-.415*	-1.000**	-.898**	-.746**	-.404*	-.324	-.443*	-.300	-.358
38	zCorrectRejectionRate Calm Target	.369	1.000**	-.369	-.661**	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.512*	-.603**
39	zCorrectRejectionRate Emotional Distractor	.288	.892**	-.288	-.669**	-.746**	-.892**	-1.000**	-.770**	-.228	-.874**	-.769**	-.725**
40	zCorrectRejectionRate Emotional Target	.620**	.543**	-.620**	-.624**	-.404*	-.543**	-.770**	-1.000**	-.407*	-.850**	-.697**	-.784**
41	zCorrectRejectionRate FearCalm	.799**	.408*	-.799**	-.355	-.324	-.408*	-.228	-.407*	-1.000**	-.223	.050	-.562**
42	zCorrectRejectionRate Fear Distractor	.455*	.703**	-.455*	-.785**	-.443*	-.703**	-.874**	-.850**	-.223	-1.000**	-.577**	-.607**
43	zCorrectRejectionRate FearHappy	-.119	.514*	.119	-.570**	-.303	-.514*	-.770**	-.692**	.028	-.579**	-.978**	-.782**
44	zCorrectRejectionRate Fear Target	.456*	.603**	-.456*	-.675**	-.358	-.603**	-.725**	-.784**	-.562**	-.607**	-.758**	-1.000**
45	zCorrectRejectionRate HappyCalm	.720**	.214	-.720**	-.235	-.293	-.214	-.268	-.575**	-.169	-.501*	-.036	-.191
46	zCorrectRejectionRate Happy Distractor	.179	.859**	-.179	-.581**	-.766**	-.859**	-.948**	-.683**	-.188	-.654**	-.808**	-.743**
47	zCorrectRejectionRate HappyFear	.319	.403*	-.319	-.339	-.382	-.403*	-.668**	-.730**	-.030	-.837**	-.403	-.333
48	zCorrectRejectionRate Happy Target	.557**	.088	-.557**	-.209	-.167	-.088	-.320	-.686**	-.054	-.740**	-.135	-.219
49	zCorrectRejectionRate NonEmotional Distractor	1	.369	-1.000**	-.334	-.340	-.369	-.288	-.620**	-.799**	-.455*	.111	-.456*
50	zCorrectRejectionRate NonEmotional Target	.369	1	-.369	-.661**	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.512*	-.603**
51	zFalseAlarmRate Calm Distractor	-1.000**	-.369	1	.334	.340	.369	.288	.620**	.799**	.455*	-.111	.456*
52	zFalseAlarmRate CalmFear	-.334	-.661**	.334	1	.415*	.661**	.669**	.624**	.355	.785**	.549**	.675**
53	zFalseAlarmRate CalmHappy	-.340	-.898**	.340	.415*	1	.898**	.746**	.404*	.324	.443*	.300	.358
54	zFalseAlarmRate Calm Target	-.369	-1.000**	.369	.661**	.898**	1	.892**	.543**	.408*	.703**	.512*	.603**
55	zFalseAlarmRate Emotional Distractor	-.288	-.892**	.288	.669**	.746**	.892**	1	.770**	.228	.874**	.769**	.725**
56	zFalseAlarmRate Emotional Target	-.620**	-.543**	.620**	.624**	.404*	.543**	.770**	1	.407*	.850**	.697**	.784**

		49	50	51	52	53	54	55	56	57	58	59	60
57	zFalseAlarmRate FearCalm	-.799**	-.408*	.799**	.355	.324	.408*	.228	.407*	1	.223	-.050	.562**
58	zFalseAlarmRate Fear Distractor	-.455*	-.703**	.455*	.785**	.443*	.703**	.874**	.850**	.223	1	.577**	.607**
59	zFalseAlarmRate FearHappy	.111	-.512*	-.111	.549**	.300	.512*	.769**	.697**	-.050	.577**	1	.758**
60	zFalseAlarmRate Fear Target	-.456*	-.603**	.456*	.675**	.358	.603**	.725**	.784**	.562**	.607**	.758**	1
61	zFalseAlarmRate HappyCalm	-.720**	-.214	.720**	.235	.293	.214	.268	.575**	.169	.501*	.036	.191
62	zFalseAlarmRate Happy Distractor	-.179	-.859**	.179	.581**	.766**	.859**	.948**	.683**	.188	.654**	.808**	.743**
63	zFalseAlarmRate HappyFear	-.319	-.403*	.319	.339	.382	.403*	.668**	.730**	.030	.837**	.403	.333
64	zFalseAlarmRate Happy Target	-.557**	-.088	.557**	.209	.167	.088	.320	.686**	.054	.740**	.135	.219
65	zFalseAlarmRate NonEmotional Distractor	-1.000**	-.369	1.000**	.334	.340	.369	.288	.620**	.799**	.455*	-.111	.456*
66	zFalseAlarmRate NonEmotional Target	-.369	-1.000**	.369	.661**	.898**	1.000**	.892**	.543**	.408*	.703**	.512*	.603**
67	zHitRate Calm Distractor	-.324	-.414*	.324	.511*	.226	.414*	.579**	.598**	.079	.765**	.386	.385
68	zHitRate CalmFear	-.211	-.059	.211	.016	.029	.059	-.026	.043	.182	-.034	-.009	.081
69	zHitRate CalmHappy	-.046	.315	.046	.103	-.385	-.315	-.135	.200	-.132	.408*	-.027	-.021
70	zHitRate Calm Target	-.168	.405*	.168	.029	-.460*	-.405*	-.320	.053	.033	.149	-.115	-.030
71	zHitRate Emotional Distractor	-.273	.352	.273	.041	-.410*	-.352	-.280	.110	.079	.235	-.192	-.043
72	zHitRate Emotional Target	-.348	-.360	.348	.400	.185	.360	.478*	.515**	.117	.688**	.200	.275
73	zHitRate FearCalm	-.166	-.568**	.166	.539**	.460*	.568**	.664**	.518**	.101	.704**	.473*	.362
74	zHitRate Fear Distractor	-.374	-.040	.374	-.002	-.037	.040	-.063	.105	.325	.074	-.210	.039
75	zHitRate FearHappy	-.149	-.128	.149	.148	.110	.128	.042	-.065	.214	.177	-.190	-.089
76	zHitRate Fear Target	-.064	-.331	.064	.371	.201	.331	.432*	.281	.009	.484*	.341	.224
77	zHitRate HappyCalm	-.334	-.174	.334	.382	-.081	.174	.321	.514*	.089	.631**	.107	.272
78	zHitRate Happy Distractor	-.071	.363	.071	.094	-.438*	-.363	-.199	.120	-.073	.379	-.110	-.070
79	zHitRate HappyFear	-.574**	-.273	.574**	.114	.206	.273	.283	.517**	.346	.508*	-.324	.143
80	zHitRate Happy Target	-.428*	-.231	.428*	.234	.080	.231	.268	.387	.199	.572**	-.170	.085
81	zHitRate NonEmotional Distractor	-.324	-.414*	.324	.511*	.226	.414*	.579**	.598**	.079	.765**	.386	.385
82	zHitRate NonEmotional Target	-.168	.405*	.168	.029	-.460*	-.405*	-.320	.053	.033	.149	-.115	-.030
83	zMissRate Calm Distractor	.324	.414*	-.324	-.511*	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.386	-.385
84	zMissRate CalmFear	.211	.059	-.211	-.016	-.029	-.059	.026	-.043	-.182	.034	.009	-.081
85	zMissRate CalmHappy	.046	-.315	-.046	-.103	.385	.315	.135	-.200	.132	-.408*	.027	.021

		49	50	51	52	53	54	55	56	57	58	59	60
86	zMissRate Calm Target	.168	-.405*	-.168	-.029	.460*	.405*	.320	-.053	-.033	-.149	.115	.030
87	zMissRate Emotional Distractor	.273	-.352	-.273	-.041	.410*	.352	.280	-.110	-.079	-.235	.192	.043
88	zMissRate Emotional Target	.348	.360	-.348	-.400	-.185	-.360	-.478*	-.515**	-.117	-.688**	-.200	-.275
89	zMissRate FearCalm	.166	.568**	-.166	-.539**	-.460*	-.568**	-.664**	-.518**	-.101	-.704**	-.473*	-.362
90	zMissRate Fear Distractor	.374	.040	-.374	.002	.037	-.040	.063	-.105	-.325	-.074	.210	-.039
91	zMissRate FearHappy	.149	.128	-.149	-.148	-.110	-.128	-.042	.065	-.214	-.177	.190	.089
92	zMissRate Fear Target	.064	.331	-.064	-.371	-.201	-.331	-.432*	-.281	-.009	-.484*	-.341	-.224
93	zMissRate HappyCalm	.334	.174	-.334	-.382	.081	-.174	-.321	-.514*	-.089	-.631**	-.107	-.272
94	zMissRate Happy Distractor	.071	-.363	-.071	-.094	.438*	.363	.199	-.120	.073	-.379	.110	.070
95	zMissRate HappyFear	.574**	.273	-.574**	-.114	-.206	-.273	-.283	-.517**	-.346	-.508*	.324	-.143
96	zMissRate Happy Target	.428*	.231	-.428*	-.234	-.080	-.231	-.268	-.387	-.199	-.572**	.170	-.085
97	zMissRate NonEmotional Distractor	.324	.414*	-.324	-.511*	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.386	-.385
98	zMissRate NonEmotional Target	.168	-.405*	-.168	-.029	.460*	.405*	.320	-.053	-.033	-.149	.115	.030
99	zRT AllRuns Hits	.002	.471*	-.002	-.105	-.562**	-.471*	-.488*	-.169	-.135	-.172	-.387	-.243
100	zRT Calm Distractor Hits	-.014	.416*	.014	-.073	-.518**	-.416*	-.414*	-.096	-.098	-.115	-.296	-.135
101	zRT Calm Target Hits	.043	.518**	-.043	-.169	-.587**	-.518**	-.567**	-.265	-.224	-.258	-.515*	-.355
102	zRT Emotional Distractor Hits	.011	.481*	-.011	-.118	-.565**	-.481*	-.513**	-.207	-.232	-.200	-.426*	-.295
103	zRT Emotional Target Hits	-.019	.416*	.019	-.058	-.511**	-.416*	-.421*	-.115	-.122	-.125	-.297	-.171
104	zRT Fear Distractor Hits	-.008	.339	.008	-.156	-.422*	-.339	-.384	-.179	-.214	-.162	-.414*	-.308
105	zRT Fear Target Hits	.127	.434*	-.127	-.062	-.523**	-.434*	-.498*	-.355	-.117	-.328	-.249	-.212
106	zRT Happy Distractor Hits	.035	.457*	-.035	-.073	-.566**	-.457*	-.492*	-.200	-.214	-.203	-.372	-.238
107	zRT Happy Target Hits	-.066	.443*	.066	-.052	-.510**	-.443*	-.437*	-.101	-.183	-.081	-.338	-.202
108	zRT Hits Calm	.015	.495*	-.015	-.134	-.587**	-.495*	-.514**	-.184	-.130	-.188	-.425*	-.256
109	ZRT Hits CalmFear	.129	.411	-.129	-.215	-.462*	-.411	-.555**	-.522*	-.172	-.371	-.498*	-.450*
110	ZRT Hits CalmHappy	.097	.511**	-.097	-.132	-.611**	-.511**	-.557**	-.282	-.235	-.270	-.434*	-.312
111	zRT Hits Fear	.008	.455*	-.008	-.113	-.537**	-.455*	-.472*	-.172	-.141	-.179	-.360	-.243
112	ZRT Hits FearCalm	.176	.463*	-.176	-.118	-.550**	-.463*	-.513*	-.370	-.136	-.362	-.239	-.210
113	ZRT Hits FearHappy	.067	.383	-.067	.006	-.472*	-.383	-.462*	-.324	-.161	-.274	-.249	-.206
114	zRT Hits Happy	.009	.452*	-.009	-.078	-.553**	-.452*	-.468*	-.160	-.136	-.167	-.341	-.211

		49	50	51	52	53	54	55	56	57	58	59	60
115	ZRT Hits HappyCalm	-.058	.387	.058	-.006	-.479*	-.387	-.387	-.072	-.135	-.047	-.312	-.124
116	ZRT Hits HappyFear	-.011	.284	.011	-.070	-.382	-.284	-.317	-.143	-.247	-.135	-.266	-.242
117	zRT Hits	.002	.471*	-.002	-.105	-.562**	-.471*	-.488*	-.169	-.135	-.172	-.387	-.243
118	zRT Nonemotional Distractor Hits	-.014	.416*	.014	-.073	-.518**	-.416*	-.414*	-.096	-.098	-.115	-.296	-.135
119	zRT Nonemotional Target Hits	.043	.518**	-.043	-.169	-.587**	-.518**	-.567**	-.265	-.224	-.258	-.515*	-.355
120	Gender	.089	.218	-.089	-.219	-.102	-.218	-.181	-.025	-.273	-.198	-.117	-.124
121	AgeYears	.287	.207	-.287	-.256	-.172	-.207	-.088	-.021	-.330	-.127	.071	-.061

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		61	62	63	64	65	66	67	68	69	70	71	72
1	Criterion	-.544**	-.575**	-.673**	-.614**	-.623**	-.569**	-.695**	-.403	-.326	-.334	-.426*	-.641**
2	Criterion Calm Distractor	-.655**	-.346	-.619**	-.636**	-.843**	-.478*	-.783**	-.149	-.113	-.125	-.282	-.764**
3	Criterion CalmFear	-.226	-.379	-.147	-.098	-.375	-.501*	-.358	-.729**	.002	-.434*	-.444*	-.282
4	Criterion CalmHappy	-.447*	-.509**	-.538**	-.492*	-.349	-.531**	-.336	.040	-.548**	-.172	-.201	-.284
5	Criterion Calm Target	-.423*	-.498*	-.354	-.339	-.497*	-.588**	-.414*	-.598**	-.282	-.501*	-.518**	-.340
6	Criterion Emotional Distractor	-.466*	-.609**	-.668**	-.553**	-.463*	-.569**	-.663**	-.459*	-.337	-.398*	-.463*	-.597**
7	Criterion Emotional Target	-.496*	-.565**	-.801**	-.643**	-.570**	-.528**	-.863**	-.032	-.193	-.033	-.181	-.843**
8	Criterion FearCalm	-.249	-.448*	-.404	-.232	-.723**	-.639**	-.548**	-.174	.176	.060	-.056	-.576**
9	Criterion Fear Distractor	-.461*	-.353	-.585**	-.564**	-.567**	-.529**	-.601**	-.649**	-.381	-.678**	-.737**	-.605**
10	Criterion FearHappy	.030	-.769**	-.492*	-.127	.059	-.562**	-.567**	-.039	.078	.131	.116	-.480*
11	Criterion Fear Target	-.188	-.703**	-.548**	-.296	-.363	-.616**	-.725**	-.049	.030	.066	-.020	-.663**
12	Criterion HappyCalm	-.797**	-.185	-.571**	-.737**	-.697**	-.251	-.609**	-.087	-.353	-.256	-.353	-.567**
13	Criterion Happy Distractor	-.307	-.725**	-.670**	-.492*	-.221	-.549**	-.602**	.111	-.439*	-.108	-.150	-.519**
14	Criterion HappyFear	-.502*	-.384	-.892**	-.739**	-.500*	-.390	-.717**	.114	-.309	-.028	-.189	-.751**
15	Criterion Happy Target	-.710**	-.166	-.793**	-.871**	-.614**	-.182	-.703**	-.054	-.391	-.284	-.420*	-.685**
16	Criterion NonEmotional Distractor	-.655**	-.346	-.619**	-.636**	-.843**	-.478*	-.783**	-.149	-.113	-.125	-.282	-.764**
17	Criterion NonEmotional Target	-.423*	-.498*	-.354	-.339	-.497*	-.588**	-.414*	-.598**	-.282	-.501*	-.518**	-.340
18	DPrime	-.045	-.818**	-.271	.014	-.162	-.792**	-.081	.412	.461*	.705**	.739**	.013
19	DPrime Calm Distractor	-.408*	.153	.277	-.135	-.660**	-.010	.496*	-.179	.074	-.134	-.108	.425*
20	DPrime CalmFear	-.098	-.424*	-.324	-.192	-.083	-.412*	-.349	.718**	-.146	.403	.396	-.271
21	DPrime CalmHappy	-.056	-.587**	-.103	.127	-.178	-.731**	-.049	-.078	.830**	.671**	.630**	-.034
22	DPrime Calm Target	.012	-.735**	-.267	.113	-.131	-.850**	-.240	.505*	.573**	.826**	.771**	-.222
23	DPrime Emotional Distractor	-.022	-.863**	-.428*	-.029	-.052	-.815**	-.306	.465*	.444*	.749**	.742**	-.216
24	DPrime Emotional Target	-.394	-.509**	-.200	-.380	-.363	-.268	.197	-.033	-.101	-.059	.076	.343
25	DPrime FearCalm	-.018	.162	.383	.158	-.578**	-.006	.454*	-.129	.034	-.121	-.075	.420*
26	DPrime Fear Distractor	-.275	-.628**	-.658**	-.533**	-.089	-.513*	-.531**	.668**	-.218	.501*	.432*	-.409*
27	DPrime FearHappy	.010	-.747**	-.240	-.071	.157	-.403	-.165	.016	.031	.114	.249	.064
28	DPrime Fear Target	-.107	-.450*	.088	-.022	-.363	-.308	.218	-.084	.001	-.028	.101	.336

		61	62	63	64	65	66	67	68	69	70	71	72
29	DPrime HappyCalm	-.683**	-.091	-.078	-.486*	-.343	-.048	.213	-.094	.093	-.101	-.073	.258
30	DPrime Happy Distractor	-.041	-.861**	-.218	.060	-.087	-.793**	-.113	-.033	.612**	.577**	.625**	.016
31	DPrime HappyFear	-.183	-.465*	-.688**	-.442*	.127	-.229	-.370	.088	.043	.111	.155	-.195
32	DPrime Happy Target	-.644**	-.191	-.397*	-.739**	-.233	.080	.048	.151	-.201	-.170	-.115	.148
33	DPrime NonEmotional Distractor	-.408*	.153	.277	-.135	-.660**	-.010	.496*	-.179	.074	-.134	-.108	.425*
34	DPrime NonEmotional Target	.012	-.735**	-.267	.113	-.131	-.850**	-.240	.505*	.573**	.826**	.771**	-.222
35	zCorrectRejectionRate Calm Distractor	-.720**	-.179	-.319	-.557**	-1.000**	-.369	-.324	-.211	-.046	-.168	-.273	-.348
36	zCorrectRejectionRate CalmFear	-.235	-.581**	-.339	-.209	-.334	-.661**	-.511*	-.016	-.103	-.029	-.041	-.400
37	zCorrectRejectionRate CalmHappy	-.293	-.766**	-.382	-.167	-.340	-.898**	-.226	-.029	.385	.460*	.410*	-.185
38	zCorrectRejectionRate Calm Target	-.214	-.859**	-.403*	-.088	-.369	-1.000**	-.414*	-.059	.315	.405*	.352	-.360
39	zCorrectRejectionRate Emotional Distractor	-.268	-.948**	-.668**	-.320	-.288	-.892**	-.579**	.026	.135	.320	.280	-.478*
40	zCorrectRejectionRate Emotional Target	-.575**	-.683**	-.730**	-.686**	-.620**	-.543**	-.598**	-.043	-.200	-.053	-.110	-.515**
41	zCorrectRejectionRate FearCalm	-.169	-.188	-.030	-.054	-.799**	-.408*	-.079	-.182	.132	-.033	-.079	-.117
42	zCorrectRejectionRate Fear Distractor	-.501*	-.654**	-.837**	-.740**	-.455*	-.703**	-.765**	.034	-.408*	-.149	-.235	-.688**
43	zCorrectRejectionRate FearHappy	.021	-.815**	-.385	-.104	.119	-.514*	-.380	-.010	.057	.131	.201	-.205
44	zCorrectRejectionRate Fear Target	-.191	-.743**	-.333	-.219	-.456*	-.603**	-.385	-.081	.021	.030	.043	-.275
45	zCorrectRejectionRate HappyCalm	-1.000**	-.192	-.467*	-.837**	-.720**	-.214	-.318	-.110	-.203	-.249	-.303	-.260
46	zCorrectRejectionRate Happy Distractor	-.192	-1.000**	-.510**	-.217	-.179	-.859**	-.400*	.041	.207	.356	.368	-.263
47	zCorrectRejectionRate HappyFear	-.467*	-.510**	-1.000**	-.768**	-.319	-.403*	-.718**	.117	-.214	.031	-.071	-.660**
48	zCorrectRejectionRate Happy Target	-.837**	-.217	-.768**	-1.000**	-.557**	-.088	-.474*	.044	-.381	-.289	-.357	-.409*
49	zCorrectRejectionRate NonEmotional Distractor	-.720**	-.179	-.319	-.557**	-1.000**	-.369	-.324	-.211	-.046	-.168	-.273	-.348
50	zCorrectRejectionRate NonEmotional Target	-.214	-.859**	-.403*	-.088	-.369	-1.000**	-.414*	-.059	.315	.405*	.352	-.360
51	zFalseAlarmRate Calm Distractor	.720**	.179	.319	.557**	1.000**	.369	.324	.211	.046	.168	.273	.348
52	zFalseAlarmRate CalmFear	.235	.581**	.339	.209	.334	.661**	.511*	.016	.103	.029	.041	.400
53	zFalseAlarmRate CalmHappy	.293	.766**	.382	.167	.340	.898**	.226	.029	-.385	-.460*	-.410*	.185
54	zFalseAlarmRate Calm Target	.214	.859**	.403*	.088	.369	1.000**	.414*	.059	-.315	-.405*	-.352	.360
55	zFalseAlarmRate Emotional Distractor	.268	.948**	.668**	.320	.288	.892**	.579**	-.026	-.135	-.320	-.280	.478*
56	zFalseAlarmRate Emotional Target	.575**	.683**	.730**	.686**	.620**	.543**	.598**	.043	.200	.053	.110	.515**

		61	62	63	64	65	66	67	68	69	70	71	72
57	zFalseAlarmRate FearCalm	.169	.188	.030	.054	.799**	.408*	.079	.182	-.132	.033	.079	.117
58	zFalseAlarmRate Fear Distractor	.501*	.654**	.837**	.740**	.455*	.703**	.765**	-.034	.408*	.149	.235	.688**
59	zFalseAlarmRate FearHappy	.036	.808**	.403	.135	-.111	.512*	.386	-.009	-.027	-.115	-.192	.200
60	zFalseAlarmRate Fear Target	.191	.743**	.333	.219	.456*	.603**	.385	.081	-.021	-.030	-.043	.275
61	zFalseAlarmRate HappyCalm	1	.192	.467*	.837**	.720**	.214	.318	.110	.203	.249	.303	.260
62	zFalseAlarmRate Happy Distractor	.192	1	.510**	.217	.179	.859**	.400*	-.041	-.207	-.356	-.368	.263
63	zFalseAlarmRate HappyFear	.467*	.510**	1	.768**	.319	.403*	.718**	-.117	.214	-.031	.071	.660**
64	zFalseAlarmRate Happy Target	.837**	.217	.768**	1	.557**	.088	.474*	-.044	.381	.289	.357	.409*
65	zFalseAlarmRate NonEmotional Distractor	.720**	.179	.319	.557**	1	.369	.324	.211	.046	.168	.273	.348
66	zFalseAlarmRate NonEmotional Target	.214	.859**	.403*	.088	.369	1	.414*	.059	-.315	-.405*	-.352	.360
67	zHitRate Calm Distractor	.318	.400*	.718**	.474*	.324	.414*	1	.009	.146	.025	.179	.938**
68	zHitRate CalmFear	.110	-.041	-.117	-.044	.211	.059	.009	1	-.093	.834**	.777**	.007
69	zHitRate CalmHappy	.203	-.207	.214	.381	.046	-.315	.146	-.093	1	.657**	.639**	.129
70	zHitRate Calm Target	.249	-.356	-.031	.289	.168	-.405*	.025	.834**	.657**	1	.962**	-.001
71	zHitRate Emotional Distractor	.303	-.368	.071	.357	.273	-.352	.179	.777**	.639**	.962**	1	.216
72	zHitRate Emotional Target	.260	.263	.660**	.409*	.348	.360	.938**	.007	.129	-.001	.216	1
73	zHitRate FearCalm	.208	.537**	.682**	.340	.166	.568**	.870**	.046	-.129	-.155	-.012	.867**
74	zHitRate Fear Distractor	.158	-.178	-.020	.053	.374	.040	.083	.925**	.138	.882**	.878**	.174
75	zHitRate FearHappy	-.023	-.101	.271	.058	.149	.128	.472*	.070	-.053	-.002	.207	.687**
76	zHitRate Fear Target	.091	.308	.556**	.251	.064	.331	.809**	-.018	-.026	-.079	.091	.838**
77	zHitRate HappyCalm	.185	.103	.412*	.271	.334	.174	.665**	-.009	.347	.132	.235	.637**
78	zHitRate Happy Distractor	.174	-.305	.259	.396*	.071	-.363	.310	-.126	.876**	.614**	.688**	.374
79	zHitRate HappyFear	.407*	.081	.455*	.520**	.574**	.273	.480*	-.050	.453*	.172	.385	.631**
80	zHitRate Happy Target	.231	.025	.484*	.319	.428*	.231	.711**	.163	.235	.154	.323	.764**
81	zHitRate NonEmotional Distractor	.318	.400*	.718**	.474*	.324	.414*	1.000**	.009	.146	.025	.179	.938**
82	zHitRate NonEmotional Target	.249	-.356	-.031	.289	.168	-.405*	.025	.834**	.657**	1.000**	.962**	-.001
83	zMissRate Calm Distractor	-.318	-.400*	-.718**	-.474*	-.324	-.414*	-1.000**	-.009	-.146	-.025	-.179	-.938**
84	zMissRate CalmFear	-.110	.041	.117	.044	-.211	-.059	-.009	-1.000**	.093	-.834**	-.777**	-.007
85	zMissRate CalmHappy	-.203	.207	-.214	-.381	-.046	.315	-.146	.093	-1.000**	-.657**	-.639**	-.129

		61	62	63	64	65	66	67	68	69	70	71	72
86	zMissRate Calm Target	-.249	.356	.031	-.289	-.168	.405*	-.025	-.834**	-.657**	-1.000**	-.962**	.001
87	zMissRate Emotional Distractor	-.303	.368	-.071	-.357	-.273	.352	-.179	-.777**	-.639**	-.962**	-1.000**	-.216
88	zMissRate Emotional Target	-.260	-.263	-.660**	-.409*	-.348	-.360	-.938**	-.007	-.129	.001	-.216	-1.000**
89	zMissRate FearCalm	-.208	-.537**	-.682**	-.340	-.166	-.568**	-.870**	-.046	.129	.155	.012	-.867**
90	zMissRate Fear Distractor	-.158	.178	.020	-.053	-.374	-.040	-.083	-.925**	-.138	-.882**	-.878**	-.174
91	zMissRate FearHappy	.023	.101	-.271	-.058	-.149	-.128	-.472*	-.070	.053	.002	-.207	-.687**
92	zMissRate Fear Target	-.091	-.308	-.556**	-.251	-.064	-.331	-.809**	.018	.026	.079	-.091	-.838**
93	zMissRate HappyCalm	-.185	-.103	-.412*	-.271	-.334	-.174	-.665**	.009	-.347	-.132	-.235	-.637**
94	zMissRate Happy Distractor	-.174	.305	-.259	-.396*	-.071	.363	-.310	.126	-.876**	-.614**	-.688**	-.374
95	zMissRate HappyFear	-.407*	-.081	-.455*	-.520**	-.574**	-.273	-.480*	.050	-.453*	-.172	-.385	-.631**
96	zMissRate Happy Target	-.231	-.025	-.484*	-.319	-.428*	-.231	-.711**	-.163	-.235	-.154	-.323	-.764**
97	zMissRate NonEmotional Distractor	-.318	-.400*	-.718**	-.474*	-.324	-.414*	-1.000**	-.009	-.146	-.025	-.179	-.938**
98	zMissRate NonEmotional Target	-.249	.356	.031	-.289	-.168	.405*	-.025	-.834**	-.657**	-1.000**	-.962**	.001
99	zRT AllRuns Hits	.055	-.517**	-.383	-.078	-.002	-.471*	-.120	.074	.382	.413*	.404*	-.078
100	zRT Calm Distractor Hits	.050	-.430*	-.336	-.063	.014	-.416*	-.095	.170	.393	.459*	.452*	-.050
101	zRT Calm Target Hits	-.041	-.613**	-.427*	-.148	-.043	-.518**	-.153	-.069	.309	.282	.280	-.103
102	zRT Emotional Distractor Hits	.052	-.549**	-.402*	-.094	-.011	-.481*	-.130	.024	.356	.368	.361	-.088
103	zRT Emotional Target Hits	.099	-.437*	-.346	-.045	.019	-.416*	-.100	.147	.389	.451*	.440*	-.065
104	zRT Fear Distractor Hits	.030	-.455*	-.327	-.198	.008	-.339	-.102	.047	.117	.147	.140	-.052
105	zRT Fear Target Hits	-.031	-.446*	-.503*	-.223	-.127	-.434*	-.210	.142	.339	.427*	.375	-.225
106	zRT Happy Distractor Hits	-.002	-.518**	-.420*	-.137	-.035	-.457*	-.083	-.013	.380	.360	.365	-.031
107	zRT Happy Target Hits	.177	-.470*	-.301	.055	.066	-.443*	-.105	.132	.377	.462*	.457*	-.064
108	zRT Hits Calm	.010	-.548**	-.392	-.100	-.015	-.495*	-.126	.050	.381	.398*	.392	-.077
109	ZRT Hits CalmFear	-.144	-.565**	-.497*	-.420	-.129	-.411	-.264	-.016	.001	.060	-.001	-.261
110	ZRT Hits CalmHappy	-.102	-.601**	-.449*	-.196	-.097	-.511**	-.084	-.110	.319	.271	.293	-.009
111	zRT Hits Fear	.072	-.489*	-.378	-.079	-.008	-.455*	-.147	.107	.368	.416*	.390	-.125
112	ZRT Hits FearCalm	-.098	-.457*	-.503*	-.263	-.176	-.463*	-.228	.175	.319	.422*	.366	-.240
113	ZRT Hits FearHappy	.046	-.416*	-.484*	-.169	-.067	-.383	-.182	.097	.348	.415*	.370	-.200
114	zRT Hits Happy	.053	-.491*	-.384	-.085	-.009	-.452*	-.099	.092	.384	.423*	.419*	-.053

		61	62	63	64	65	66	67	68	69	70	71	72
115	ZRT Hits HappyCalm	.108	-.417*	-.299	.012	.058	-.387	-.040	.107	.366	.442*	.453*	-.005
116	ZRT Hits HappyFear	.111	-.379	-.310	-.152	.011	-.284	-.041	.137	.131	.237	.249	.024
117	zRT Hits	.055	-.517**	-.383	-.078	-.002	-.471*	-.120	.074	.382	.413*	.404*	-.078
118	zRT Nonemotional Distractor Hits	.050	-.430*	-.336	-.063	.014	-.416*	-.095	.170	.393	.459*	.452*	-.050
119	zRT Nonemotional Target Hits	-.041	-.613**	-.427*	-.148	-.043	-.518**	-.153	-.069	.309	.282	.280	-.103
120	Gender	.097	-.116	-.178	.034	-.089	-.218	-.273	.248	.043	.164	.122	-.246
121	AgeYears	-.103	.021	-.049	-.019	-.287	-.207	-.140	.089	.050	.135	.036	-.235

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		73	74	75	76	77	78	79	80	81	82	83	84
1	Criterion	-.659**	-.424*	-.233	-.429*	-.543**	-.301	-.561**	-.540**	-.695**	-.334	.695**	.403
2	Criterion Calm Distractor	-.628**	-.293	-.380	-.503*	-.584**	-.223	-.647**	-.686**	-.783**	-.125	.783**	.149
3	Criterion CalmFear	-.411*	-.659**	-.156	-.248	-.250	.028	-.033	-.263	-.358	-.434*	.358	.729**
4	Criterion CalmHappy	-.319	-.070	-.056	-.159	-.236	-.388	-.481*	-.283	-.336	-.172	.336	-.040
5	Criterion Calm Target	-.404	-.608**	-.120	-.243	-.283	-.199	-.316	-.355	-.414*	-.501*	.414*	.598**
6	Criterion Emotional Distractor	-.629**	-.460*	-.199	-.464*	-.459*	-.313	-.451*	-.480*	-.663**	-.398*	.663**	.459*
7	Criterion Emotional Target	-.832**	-.155	-.361	-.612**	-.654**	-.269	-.649**	-.640**	-.863**	-.033	.863**	.032
8	Criterion FearCalm	-.630**	-.271	-.511*	-.528**	-.193	-.005	-.408	-.367	-.548**	.060	.548**	.174
9	Criterion Fear Distractor	-.518*	-.701**	-.273	-.342	-.610**	-.348	-.549**	-.653**	-.601**	-.678**	.601**	.649**
10	Criterion FearHappy	-.706**	.130	-.218	-.627**	-.136	-.026	.164	.008	-.567**	.131	.567**	.039
11	Criterion Fear Target	-.782**	-.025	-.358	-.717**	-.308	-.116	-.199	-.260	-.725**	.066	.725**	.049
12	Criterion HappyCalm	-.291	-.239	-.006	-.185	-.744**	-.303	-.659**	-.673**	-.609**	-.256	.609**	.087
13	Criterion Happy Distractor	-.606**	.082	-.163	-.508**	-.310	-.435*	-.358	-.246	-.602**	-.108	.602**	-.111
14	Criterion HappyFear	-.624**	-.132	-.341	-.458*	-.592**	-.360	-.809**	-.720**	-.717**	-.028	.717**	-.114
15	Criterion Happy Target	-.456*	-.231	-.213	-.363	-.627**	-.439*	-.756**	-.744**	-.703**	-.284	.703**	.054
16	Criterion NonEmotional Distractor	-.628**	-.293	-.380	-.503*	-.584**	-.223	-.647**	-.686**	-.783**	-.125	.783**	.149
17	Criterion NonEmotional Target	-.404	-.608**	-.120	-.243	-.283	-.199	-.316	-.355	-.414*	-.501*	.414*	.598**
18	DPrime	-.279	.510*	.162	-.068	.080	.557**	.120	.171	-.081	.705**	.081	-.412
19	DPrime Calm Distractor	.511*	-.285	.226	.583**	.233	.181	-.157	.172	.496*	-.134	-.496*	.179
20	DPrime CalmFear	-.333	.674**	-.047	-.265	-.292	-.160	-.125	-.059	-.349	.403	.349	-.718**
21	DPrime CalmHappy	-.356	.116	-.098	-.137	.256	.788**	.151	.092	-.049	.671**	.049	.078
22	DPrime Calm Target	-.438*	.558**	-.079	-.250	-.034	.578**	-.092	-.054	-.240	.826**	.240	-.505*
23	DPrime Emotional Distractor	-.456*	.571**	.083	-.252	-.104	.515**	-.004	-.011	-.306	.749**	.306	-.465*
24	DPrime Emotional Target	.266	.037	.645**	.453*	.014	.208	-.015	.269	.197	-.059	-.197	.033
25	DPrime FearCalm	.520**	-.271	.186	.551**	.060	.129	-.165	.056	.454*	-.121	-.454*	.129
26	DPrime Fear Distractor	-.489*	.641**	.017	-.377	-.369	-.208	-.192	-.178	-.531**	.501*	.531**	-.668**
27	DPrime FearHappy	-.188	.253	.515*	-.025	-.097	.228	.348	.235	-.165	.114	.165	-.016
28	DPrime Fear Target	.342	-.039	.608**	.493*	-.101	.270	-.011	.172	.218	-.028	-.218	.084

		73	74	75	76	77	78	79	80	81	82	83	84
29	DPrime HappyCalm	-.041	.037	.044	.074	.594**	.080	.149	.434*	.213	-.101	-.213	.094
30	DPrime Happy Distractor	-.313	.207	.255	-.055	.089	.747**	.204	.146	-.113	.577**	.113	.033
31	DPrime HappyFear	-.562**	.255	-.101	-.444*	.076	.027	.335	.130	-.370	.111	.370	-.088
32	DPrime Happy Target	-.073	.251	.149	.013	.335	-.165	.111	.403*	.048	-.170	-.048	-.151
33	DPrime NonEmotional Distractor	.511*	-.285	.226	.583**	.233	.181	-.157	.172	.496*	-.134	-.496*	.179
34	DPrime NonEmotional Target	-.438*	.558**	-.079	-.250	-.034	.578**	-.092	-.054	-.240	.826**	.240	-.505*
35	zCorrectRejectionRate Calm Distractor	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*	-.324	-.168	.324	.211
36	zCorrectRejectionRate CalmFear	-.539**	.002	-.148	-.371	-.382	-.094	-.114	-.234	-.511*	-.029	.511*	.016
37	zCorrectRejectionRate CalmHappy	-.460*	.037	-.110	-.201	.081	.438*	-.206	-.080	-.226	.460*	.226	.029
38	zCorrectRejectionRate Calm Target	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231	-.414*	.405*	.414*	.059
39	zCorrectRejectionRate Emotional Distractor	-.664**	.063	-.042	-.432*	-.321	.199	-.283	-.268	-.579**	.320	.579**	-.026
40	zCorrectRejectionRate Emotional Target	-.518**	-.105	.065	-.281	-.514*	-.120	-.517**	-.387	-.598**	-.053	.598**	.043
41	zCorrectRejectionRate FearCalm	-.101	-.325	-.214	-.009	-.089	.073	-.346	-.199	-.079	-.033	.079	.182
42	zCorrectRejectionRate Fear Distractor	-.704**	-.074	-.177	-.484*	-.631**	-.379	-.508*	-.572**	-.765**	-.149	.765**	-.034
43	zCorrectRejectionRate FearHappy	-.463*	.212	.185	-.330	-.125	.118	.283	.139	-.380	.131	.380	.010
44	zCorrectRejectionRate Fear Target	-.362	-.039	.089	-.224	-.272	.070	-.143	-.085	-.385	.030	.385	.081
45	zCorrectRejectionRate HappyCalm	-.208	-.158	.023	-.091	-.185	-.174	-.407*	-.231	-.318	-.249	.318	.110
46	zCorrectRejectionRate Happy Distractor	-.537**	.178	.101	-.308	-.103	.305	-.081	-.025	-.400*	.356	.400*	-.041
47	zCorrectRejectionRate HappyFear	-.682**	.020	-.271	-.556**	-.412*	-.259	-.455*	-.484*	-.718**	.031	.718**	-.117
48	zCorrectRejectionRate Happy Target	-.340	-.053	-.058	-.251	-.271	-.396*	-.520**	-.319	-.474*	-.289	.474*	-.044
49	zCorrectRejectionRate NonEmotional Distractor	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*	-.324	-.168	.324	.211
50	zCorrectRejectionRate NonEmotional Target	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231	-.414*	.405*	.414*	.059
51	zFalseAlarmRate Calm Distractor	.166	.374	.149	.064	.334	.071	.574**	.428*	.324	.168	-.324	-.211
52	zFalseAlarmRate CalmFear	.539**	-.002	.148	.371	.382	.094	.114	.234	.511*	.029	-.511*	-.016
53	zFalseAlarmRate CalmHappy	.460*	-.037	.110	.201	-.081	-.438*	.206	.080	.226	-.460*	-.226	-.029
54	zFalseAlarmRate Calm Target	.568**	.040	.128	.331	.174	-.363	.273	.231	.414*	-.405*	-.414*	-.059
55	zFalseAlarmRate Emotional Distractor	.664**	-.063	.042	.432*	.321	-.199	.283	.268	.579**	-.320	-.579**	.026
56	zFalseAlarmRate Emotional Target	.518**	.105	-.065	.281	.514*	.120	.517**	.387	.598**	.053	-.598**	-.043

		73	74	75	76	77	78	79	80	81	82	83	84
57	zFalseAlarmRate FearCalm	.101	.325	.214	.009	.089	-.073	.346	.199	.079	.033	-.079	-.182
58	zFalseAlarmRate Fear Distractor	.704**	.074	.177	.484*	.631**	.379	.508*	.572**	.765**	.149	-.765**	.034
59	zFalseAlarmRate FearHappy	.473*	-.210	-.190	.341	.107	-.110	-.324	-.170	.386	-.115	-.386	.009
60	zFalseAlarmRate Fear Target	.362	.039	-.089	.224	.272	-.070	.143	.085	.385	-.030	-.385	-.081
61	zFalseAlarmRate HappyCalm	.208	.158	-.023	.091	.185	.174	.407*	.231	.318	.249	-.318	-.110
62	zFalseAlarmRate Happy Distractor	.537**	-.178	-.101	.308	.103	-.305	.081	.025	.400*	-.356	-.400*	.041
63	zFalseAlarmRate HappyFear	.682**	-.020	.271	.556**	.412*	.259	.455*	.484*	.718**	-.031	-.718**	.117
64	zFalseAlarmRate Happy Target	.340	.053	.058	.251	.271	.396*	.520**	.319	.474*	.289	-.474*	.044
65	zFalseAlarmRate NonEmotional Distractor	.166	.374	.149	.064	.334	.071	.574**	.428*	.324	.168	-.324	-.211
66	zFalseAlarmRate NonEmotional Target	.568**	.040	.128	.331	.174	-.363	.273	.231	.414*	-.405*	-.414*	-.059
67	zHitRate Calm Distractor	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**	1.000**	.025	-.1000**	-.009
68	zHitRate CalmFear	.046	.925**	.070	-.018	-.009	-.126	-.050	.163	.009	.834**	-.009	-.1000**
69	zHitRate CalmHappy	-.129	.138	-.053	-.026	.347	.876**	.453*	.235	.146	.657**	-.146	.093
70	zHitRate Calm Target	-.155	.882**	-.002	-.079	.132	.614**	.172	.154	.025	1.000**	-.025	-.834**
71	zHitRate Emotional Distractor	-.012	.878**	.207	.091	.235	.688**	.385	.323	.179	.962**	-.179	-.777**
72	zHitRate Emotional Target	.867**	.174	.687**	.838**	.637**	.374	.631**	.764**	.938**	-.001	-.938**	-.007
73	zHitRate FearCalm	1	.010	.613**	.934**	.222	.112	.231	.376	.870**	-.155	-.870**	-.046
74	zHitRate Fear Distractor	.010	1	.204	-.006	.219	.119	.286	.376	.083	.882**	-.083	-.925**
75	zHitRate FearHappy	.613**	.204	1	.745**	.037	.354	.300	.323	.472*	-.002	-.472*	-.070
76	zHitRate Fear Target	.934**	-.006	.745**	1	.203	.299	.172	.358	.809**	-.079	-.809**	.018
77	zHitRate HappyCalm	.222	.219	.037	.203	1	.297	.632**	.839**	.665**	.132	-.665**	.009
78	zHitRate Happy Distractor	.112	.119	.354	.299	.297	1	.491*	.307	.310	.614**	-.310	.126
79	zHitRate HappyFear	.231	.286	.300	.172	.632**	.491*	1	.793**	.480*	.172	-.480*	.050
80	zHitRate Happy Target	.376	.376	.323	.358	.839**	.307	.793**	1	.711**	.154	-.711**	-.163
81	zHitRate NonEmotional Distractor	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**	1	.025	-.1000**	-.009
82	zHitRate NonEmotional Target	-.155	.882**	-.002	-.079	.132	.614**	.172	.154	.025	1	-.025	-.834**
83	zMissRate Calm Distractor	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**	-.1000**	-.025	1	.009
84	zMissRate CalmFear	-.046	-.925**	-.070	.018	.009	.126	.050	-.163	-.009	-.834**	.009	1
85	zMissRate CalmHappy	.129	-.138	.053	.026	-.347	-.876**	-.453*	-.235	-.146	-.657**	.146	-.093

		73	74	75	76	77	78	79	80	81	82	83	84
86	zMissRate Calm Target	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154	-.025	-1.000**	.025	.834**
87	zMissRate Emotional Distractor	.012	-.878**	-.207	-.091	-.235	-.688**	-.385	-.323	-.179	-.962**	.179	.777**
88	zMissRate Emotional Target	-.867**	-.174	-.687**	-.838**	-.637**	-.374	-.631**	-.764**	-.938**	.001	.938**	.007
89	zMissRate FearCalm	-1.000**	-.010	-.613**	-.934**	-.222	-.112	-.231	-.376	-.870**	.155	.870**	.046
90	zMissRate Fear Distractor	-.010	-1.000**	-.204	.006	-.219	-.119	-.286	-.376	-.083	-.882**	.083	.925**
91	zMissRate FearHappy	-.613**	-.204	-1.000**	-.745**	-.037	-.354	-.300	-.323	-.472*	.002	.472*	.070
92	zMissRate Fear Target	-.934**	.006	-.745**	-1.000**	-.203	-.299	-.172	-.358	-.809**	.079	.809**	-.018
93	zMissRate HappyCalm	-.222	-.219	-.037	-.203	-1.000**	-.297	-.632**	-.839**	-.665**	-.132	.665**	-.009
94	zMissRate Happy Distractor	-.112	-.119	-.354	-.299	-.297	-1.000**	-.491*	-.307	-.310	-.614**	.310	-.126
95	zMissRate HappyFear	-.231	-.286	-.300	-.172	-.632**	-.491*	-1.000**	-.793**	-.480*	-.172	.480*	-.050
96	zMissRate Happy Target	-.376	-.376	-.323	-.358	-.839**	-.307	-.793**	-1.000**	-.711**	-.154	.711**	.163
97	zMissRate NonEmotional Distractor	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**	-1.000**	-.025	1.000**	.009
98	zMissRate NonEmotional Target	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154	-.025	-1.000**	.025	.834**
99	zRT AllRuns Hits	-.346	.174	-.089	-.275	.316	.311	.078	.105	-.120	.413*	.120	-.074
100	zRT Calm Distractor Hits	-.311	.238	-.038	-.226	.309	.332	.074	.098	-.095	.459*	.095	-.170
101	zRT Calm Target Hits	-.471*	.093	-.120	-.314	.287	.226	.095	.107	-.153	.282	.153	.069
102	zRT Emotional Distractor Hits	-.451*	.138	-.108	-.292	.311	.282	.074	.105	-.130	.368	.130	-.024
103	zRT Emotional Target Hits	-.305	.206	-.063	-.237	.297	.327	.047	.082	-.100	.451*	.100	-.147
104	zRT Fear Distractor Hits	-.444*	.150	-.146	-.321	.417*	-.028	.073	.227	-.102	.147	.102	-.047
105	zRT Fear Target Hits	-.304	.123	-.097	-.246	.161	.268	-.305	-.087	-.210	.427*	.210	-.142
106	zRT Happy Distractor Hits	-.370	.112	-.024	-.198	.284	.339	.080	.076	-.083	.360	.083	.013
107	zRT Happy Target Hits	-.381	.207	-.042	-.242	.277	.333	.070	.086	-.105	.462*	.105	-.132
108	zRT Hits Calm	-.367	.173	-.088	-.285	.325	.306	.104	.121	-.126	.398*	.126	-.050
109	ZRT Hits CalmFear	-.550**	.069	-.230	-.428*	.411	-.161	-.098	.207	-.264	.060	.264	.016
110	ZRT Hits CalmHappy	-.331	.054	.036	-.150	.226	.310	.080	.062	-.084	.271	.084	.110
111	zRT Hits Fear	-.368	.175	-.148	-.316	.307	.273	.027	.088	-.147	.416*	.147	-.107
112	ZRT Hits FearCalm	-.316	.141	-.100	-.244	.135	.239	-.349	-.106	-.228	.422*	.228	-.175
113	ZRT Hits FearHappy	-.363	.097	-.090	-.238	.184	.291	-.240	-.063	-.182	.415*	.182	-.097
114	zRT Hits Happy	-.302	.176	-.041	-.224	.291	.333	.057	.081	-.099	.423*	.099	-.092

		73	74	75	76	77	78	79	80	81	82	83	84
115	ZRT Hits HappyCalm	-.344	.208	.012	-.194	.310	.347	.138	.137	-.040	.442*	.040	-.107
116	ZRT Hits HappyFear	-.263	.175	.001	-.157	.315	.073	-.005	.137	-.041	.237	.041	-.137
117	zRT Hits	-.346	.174	-.089	-.275	.316	.311	.078	.105	-.120	.413*	.120	-.074
118	zRT Nonemotional Distractor Hits	-.311	.238	-.038	-.226	.309	.332	.074	.098	-.095	.459*	.095	-.170
119	zRT Nonemotional Target Hits	-.471*	.093	-.120	-.314	.287	.226	.095	.107	-.153	.282	.153	.069
120	Gender	-.271	.157	-.188	-.243	-.157	-.057	-.050	-.259	-.273	.164	.273	-.248
121	AgeYears	-.261	.032	-.335	-.234	-.043	-.128	-.106	-.120	-.140	.135	.140	-.089

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		85	86	87	88	89	90	91	92	93	94	95	96
1	Criterion	.326	.334	.426*	.641**	.659**	.424*	.233	.429*	.543**	.301	.561**	.540**
2	Criterion Calm Distractor	.113	.125	.282	.764**	.628**	.293	.380	.503*	.584**	.223	.647**	.686**
3	Criterion CalmFear	-.002	.434*	.444*	.282	.411*	.659**	.156	.248	.250	-.028	.033	.263
4	Criterion CalmHappy	.548**	.172	.201	.284	.319	.070	.056	.159	.236	.388	.481*	.283
5	Criterion Calm Target	.282	.501*	.518**	.340	.404	.608**	.120	.243	.283	.199	.316	.355
6	Criterion Emotional Distractor	.337	.398*	.463*	.597**	.629**	.460*	.199	.464*	.459*	.313	.451*	.480*
7	Criterion Emotional Target	.193	.033	.181	.843**	.832**	.155	.361	.612**	.654**	.269	.649**	.640**
8	Criterion FearCalm	-.176	-.060	.056	.576**	.630**	.271	.511*	.528**	.193	.005	.408	.367
9	Criterion Fear Distractor	.381	.678**	.737**	.605**	.518*	.701**	.273	.342	.610**	.348	.549**	.653**
10	Criterion FearHappy	-.078	-.131	-.116	.480*	.706**	-.130	.218	.627**	.136	.026	-.164	-.008
11	Criterion Fear Target	-.030	-.066	.020	.663**	.782**	.025	.358	.717**	.308	.116	.199	.260
12	Criterion HappyCalm	.353	.256	.353	.567**	.291	.239	.006	.185	.744**	.303	.659**	.673**
13	Criterion Happy Distractor	.439*	.108	.150	.519**	.606**	-.082	.163	.508**	.310	.435*	.358	.246
14	Criterion HappyFear	.309	.028	.189	.751**	.624**	.132	.341	.458*	.592**	.360	.809**	.720**
15	Criterion Happy Target	.391	.284	.420*	.685**	.456*	.231	.213	.363	.627**	.439*	.756**	.744**
16	Criterion NonEmotional Distractor	.113	.125	.282	.764**	.628**	.293	.380	.503*	.584**	.223	.647**	.686**
17	Criterion NonEmotional Target	.282	.501*	.518**	.340	.404	.608**	.120	.243	.283	.199	.316	.355
18	DPrime	-.461*	-.705**	-.739**	-.013	.279	-.510*	-.162	.068	-.080	-.557**	-.120	-.171
19	DPrime Calm Distractor	-.074	.134	.108	-.425*	-.511*	.285	-.226	-.583**	-.233	-.181	.157	-.172
20	DPrime CalmFear	.146	-.403	-.396	.271	.333	-.674**	.047	.265	.292	.160	.125	.059
21	DPrime CalmHappy	-.830**	-.671**	-.630**	.034	.356	-.116	.098	.137	-.256	-.788**	-.151	-.092
22	DPrime Calm Target	-.573**	-.826**	-.771**	.222	.438*	-.558**	.079	.250	.034	-.578**	.092	.054
23	DPrime Emotional Distractor	-.444*	-.749**	-.742**	.216	.456*	-.571**	-.083	.252	.104	-.515**	.004	.011
24	DPrime Emotional Target	.101	.059	-.076	-.343	-.266	-.037	-.645**	-.453*	-.014	-.208	.015	-.269
25	DPrime FearCalm	-.034	.121	.075	-.420*	-.520**	.271	-.186	-.551**	-.060	-.129	.165	-.056
26	DPrime Fear Distractor	.218	-.501*	-.432*	.409*	.489*	-.641**	-.017	.377	.369	.208	.192	.178
27	DPrime FearHappy	-.031	-.114	-.249	-.064	.188	-.253	-.515*	.025	.097	-.228	-.348	-.235
28	DPrime Fear Target	-.001	.028	-.101	-.336	-.342	.039	-.608**	-.493*	.101	-.270	.011	-.172

		85	86	87	88	89	90	91	92	93	94	95	96
29	DPrime HappyCalm	-.093	.101	.073	-.258	.041	-.037	-.044	-.074	-.594**	-.080	-.149	-.434*
30	DPrime Happy Distractor	-.612**	-.577**	-.625**	-.016	.313	-.207	-.255	.055	-.089	-.747**	-.204	-.146
31	DPrime HappyFear	-.043	-.111	-.155	.195	.562**	-.255	.101	.444*	-.076	-.027	-.335	-.130
32	DPrime Happy Target	.201	.170	.115	-.148	.073	-.251	-.149	-.013	-.335	.165	-.111	-.403*
33	DPrime NonEmotional Distractor	-.074	.134	.108	-.425*	-.511*	.285	-.226	-.583**	-.233	-.181	.157	-.172
34	DPrime NonEmotional Target	-.573**	-.826**	-.771**	.222	.438*	-.558**	.079	.250	.034	-.578**	.092	.054
35	zCorrectRejectionRate Calm Distractor	.046	.168	.273	.348	.166	.374	.149	.064	.334	.071	.574**	.428*
36	zCorrectRejectionRate CalmFear	.103	.029	.041	.400	.539**	-.002	.148	.371	.382	.094	.114	.234
37	zCorrectRejectionRate CalmHappy	-.385	-.460*	-.410*	.185	.460*	-.037	.110	.201	-.081	-.438*	.206	.080
38	zCorrectRejectionRate Calm Target	-.315	-.405*	-.352	.360	.568**	.040	.128	.331	.174	-.363	.273	.231
39	zCorrectRejectionRate Emotional Distractor	-.135	-.320	-.280	.478*	.664**	-.063	.042	.432*	.321	-.199	.283	.268
40	zCorrectRejectionRate Emotional Target	.200	.053	.110	.515**	.518**	.105	-.065	.281	.514*	.120	.517**	.387
41	zCorrectRejectionRate FearCalm	-.132	.033	.079	.117	.101	.325	.214	.009	.089	-.073	.346	.199
42	zCorrectRejectionRate Fear Distractor	.408*	.149	.235	.688**	.704**	.074	.177	.484*	.631**	.379	.508*	.572**
43	zCorrectRejectionRate FearHappy	-.057	-.131	-.201	.205	.463*	-.212	-.185	.330	.125	-.118	-.283	-.139
44	zCorrectRejectionRate Fear Target	-.021	-.030	-.043	.275	.362	.039	-.089	.224	.272	-.070	.143	.085
45	zCorrectRejectionRate HappyCalm	.203	.249	.303	.260	.208	.158	-.023	.091	.185	.174	.407*	.231
46	zCorrectRejectionRate Happy Distractor	-.207	-.356	-.368	.263	.537**	-.178	-.101	.308	.103	-.305	.081	.025
47	zCorrectRejectionRate HappyFear	.214	-.031	.071	.660**	.682**	-.020	.271	.556**	.412*	.259	.455*	.484*
48	zCorrectRejectionRate Happy Target	.381	.289	.357	.409*	.340	.053	.058	.251	.271	.396*	.520**	.319
49	zCorrectRejectionRate NonEmotional Distractor	.046	.168	.273	.348	.166	.374	.149	.064	.334	.071	.574**	.428*
50	zCorrectRejectionRate NonEmotional Target	-.315	-.405*	-.352	.360	.568**	.040	.128	.331	.174	-.363	.273	.231
51	zFalseAlarmRate Calm Distractor	-.046	-.168	-.273	-.348	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*
52	zFalseAlarmRate CalmFear	-.103	-.029	-.041	-.400	-.539**	.002	-.148	-.371	-.382	-.094	-.114	-.234
53	zFalseAlarmRate CalmHappy	.385	.460*	.410*	-.185	-.460*	.037	-.110	-.201	.081	.438*	-.206	-.080
54	zFalseAlarmRate Calm Target	.315	.405*	.352	-.360	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231
55	zFalseAlarmRate Emotional Distractor	.135	.320	.280	-.478*	-.664**	.063	-.042	-.432*	-.321	.199	-.283	-.268
56	zFalseAlarmRate Emotional Target	-.200	-.053	-.110	-.515**	-.518**	-.105	.065	-.281	-.514*	-.120	-.517**	-.387

		85	86	87	88	89	90	91	92	93	94	95	96
57	zFalseAlarmRate FearCalm	.132	-.033	-.079	-.117	-.101	-.325	-.214	-.009	-.089	.073	-.346	-.199
58	zFalseAlarmRate Fear Distractor	-.408*	-.149	-.235	-.688**	-.704**	-.074	-.177	-.484*	-.631**	-.379	-.508*	-.572**
59	zFalseAlarmRate FearHappy	.027	.115	.192	-.200	-.473*	.210	.190	-.341	-.107	.110	.324	.170
60	zFalseAlarmRate Fear Target	.021	.030	.043	-.275	-.362	-.039	.089	-.224	-.272	.070	-.143	-.085
61	zFalseAlarmRate HappyCalm	-.203	-.249	-.303	-.260	-.208	-.158	.023	-.091	-.185	-.174	-.407*	-.231
62	zFalseAlarmRate Happy Distractor	.207	.356	.368	-.263	-.537**	.178	.101	-.308	-.103	.305	-.081	-.025
63	zFalseAlarmRate HappyFear	-.214	.031	-.071	-.660**	-.682**	.020	-.271	-.556**	-.412*	-.259	-.455*	-.484*
64	zFalseAlarmRate Happy Target	-.381	-.289	-.357	-.409*	-.340	-.053	-.058	-.251	-.271	-.396*	-.520**	-.319
65	zFalseAlarmRate NonEmotional Distractor	-.046	-.168	-.273	-.348	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*
66	zFalseAlarmRate NonEmotional Target	.315	.405*	.352	-.360	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231
67	zHitRate Calm Distractor	-.146	-.025	-.179	-.938**	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**
68	zHitRate CalmFear	.093	-.834**	-.777**	-.007	-.046	-.925**	-.070	.018	.009	.126	.050	-.163
69	zHitRate CalmHappy	-1.000**	-.657**	-.639**	-.129	.129	-.138	.053	.026	-.347	-.876**	-.453*	-.235
70	zHitRate Calm Target	-.657**	-1.000**	-.962**	.001	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154
71	zHitRate Emotional Distractor	-.639**	-.962**	-1.000**	-.216	.012	-.878**	-.207	-.091	-.235	-.688**	-.385	-.323
72	zHitRate Emotional Target	-.129	.001	-.216	-1.000**	-.867**	-.174	-.687**	-.838**	-.637**	-.374	-.631**	-.764**
73	zHitRate FearCalm	.129	.155	.012	-.867**	-1.000**	-.010	-.613**	-.934**	-.222	-.112	-.231	-.376
74	zHitRate Fear Distractor	-.138	-.882**	-.878**	-.174	-.010	-1.000**	-.204	.006	-.219	-.119	-.286	-.376
75	zHitRate FearHappy	.053	.002	-.207	-.687**	-.613**	-.204	-1.000**	-.745**	-.037	-.354	-.300	-.323
76	zHitRate Fear Target	.026	.079	-.091	-.838**	-.934**	.006	-.745**	-1.000**	-.203	-.299	-.172	-.358
77	zHitRate HappyCalm	-.347	-.132	-.235	-.637**	-.222	-.219	-.037	-.203	-1.000**	-.297	-.632**	-.839**
78	zHitRate Happy Distractor	-.876**	-.614**	-.688**	-.374	-.112	-.119	-.354	-.299	-.297	-1.000**	-.491*	-.307
79	zHitRate HappyFear	-.453*	-.172	-.385	-.631**	-.231	-.286	-.300	-.172	-.632**	-.491*	-1.000**	-.793**
80	zHitRate Happy Target	-.235	-.154	-.323	-.764**	-.376	-.376	-.323	-.358	-.839**	-.307	-.793**	-1.000**
81	zHitRate NonEmotional Distractor	-.146	-.025	-.179	-.938**	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**
82	zHitRate NonEmotional Target	-.657**	-1.000**	-.962**	.001	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154
83	zMissRate Calm Distractor	.146	.025	.179	.938**	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**
84	zMissRate CalmFear	-.093	.834**	.777**	.007	.046	.925**	.070	-.018	-.009	-.126	-.050	.163
85	zMissRate CalmHappy	1	.657**	.639**	.129	-.129	.138	-.053	-.026	.347	.876**	.453*	.235

		85	86	87	88	89	90	91	92	93	94	95	96
86	zMissRate Calm Target	.657**	1	.962**	-.001	-.155	.882**	-.002	-.079	.132	.614**	.172	.154
87	zMissRate Emotional Distractor	.639**	.962**	1	.216	-.012	.878**	.207	.091	.235	.688**	.385	.323
88	zMissRate Emotional Target	.129	-.001	.216	1	.867**	.174	.687**	.838**	.637**	.374	.631**	.764**
89	zMissRate FearCalm	-.129	-.155	-.012	.867**	1	.010	.613**	.934**	.222	.112	.231	.376
90	zMissRate Fear Distractor	.138	.882**	.878**	.174	.010	1	.204	-.006	.219	.119	.286	.376
91	zMissRate FearHappy	-.053	-.002	.207	.687**	.613**	.204	1	.745**	.037	.354	.300	.323
92	zMissRate Fear Target	-.026	-.079	.091	.838**	.934**	-.006	.745**	1	.203	.299	.172	.358
93	zMissRate HappyCalm	.347	.132	.235	.637**	.222	.219	.037	.203	1	.297	.632**	.839**
94	zMissRate Happy Distractor	.876**	.614**	.688**	.374	.112	.119	.354	.299	.297	1	.491*	.307
95	zMissRate HappyFear	.453*	.172	.385	.631**	.231	.286	.300	.172	.632**	.491*	1	.793**
96	zMissRate Happy Target	.235	.154	.323	.764**	.376	.376	.323	.358	.839**	.307	.793**	1
97	zMissRate NonEmotional Distractor	.146	.025	.179	.938**	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**
98	zMissRate NonEmotional Target	.657**	1.000**	.962**	-.001	-.155	.882**	-.002	-.079	.132	.614**	.172	.154
99	zRT AllRuns Hits	-.382	-.413*	-.404*	.078	.346	-.174	.089	.275	-.316	-.311	-.078	-.105
100	zRT Calm Distractor Hits	-.393	-.459*	-.452*	.050	.311	-.238	.038	.226	-.309	-.332	-.074	-.098
101	zRT Calm Target Hits	-.309	-.282	-.280	.103	.471*	-.093	.120	.314	-.287	-.226	-.095	-.107
102	zRT Emotional Distractor Hits	-.356	-.368	-.361	.088	.451*	-.138	.108	.292	-.311	-.282	-.074	-.105
103	zRT Emotional Target Hits	-.389	-.451*	-.440*	.065	.305	-.206	.063	.237	-.297	-.327	-.047	-.082
104	zRT Fear Distractor Hits	-.117	-.147	-.140	.052	.444*	-.150	.146	.321	-.417*	.028	-.073	-.227
105	zRT Fear Target Hits	-.339	-.427*	-.375	.225	.304	-.123	.097	.246	-.161	-.268	.305	.087
106	zRT Happy Distractor Hits	-.380	-.360	-.365	.031	.370	-.112	.024	.198	-.284	-.339	-.080	-.076
107	zRT Happy Target Hits	-.377	-.462*	-.457*	.064	.381	-.207	.042	.242	-.277	-.333	-.070	-.086
108	zRT Hits Calm	-.381	-.398*	-.392	.077	.367	-.173	.088	.285	-.325	-.306	-.104	-.121
109	ZRT Hits CalmFear	-.001	-.060	.001	.261	.550**	-.069	.230	.428*	-.411	.161	.098	-.207
110	ZRT Hits CalmHappy	-.319	-.271	-.293	.009	.331	-.054	-.036	.150	-.226	-.310	-.080	-.062
111	zRT Hits Fear	-.368	-.416*	-.390	.125	.368	-.175	.148	.316	-.307	-.273	-.027	-.088
112	ZRT Hits FearCalm	-.319	-.422*	-.366	.240	.316	-.141	.100	.244	-.135	-.239	.349	.106
113	ZRT Hits FearHappy	-.348	-.415*	-.370	.200	.363	-.097	.090	.238	-.184	-.291	.240	.063
114	zRT Hits Happy	-.384	-.423*	-.419*	.053	.302	-.176	.041	.224	-.291	-.333	-.057	-.081

		85	86	87	88	89	90	91	92	93	94	95	96
115	ZRT Hits HappyCalm	-.366	-.442*	-.453*	.005	.344	-.208	-.012	.194	-.310	-.347	-.138	-.137
116	ZRT Hits HappyFear	-.131	-.237	-.249	-.024	.263	-.175	-.001	.157	-.315	-.073	.005	-.137
117	zRT Hits	-.382	-.413*	-.404*	.078	.346	-.174	.089	.275	-.316	-.311	-.078	-.105
118	zRT Nonemotional Distractor Hits	-.393	-.459*	-.452*	.050	.311	-.238	.038	.226	-.309	-.332	-.074	-.098
119	zRT Nonemotional Target Hits	-.309	-.282	-.280	.103	.471*	-.093	.120	.314	-.287	-.226	-.095	-.107
120	Gender	-.043	-.164	-.122	.246	.271	-.157	.188	.243	.157	.057	.050	.259
121	AgeYears	-.050	-.135	-.036	.235	.261	-.032	.335	.234	.043	.128	.106	.120

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		97	98	99	100	101	102	103	104	105	106	107	108
1	Criterion	.695**	.334	-.009	-.079	.219	.138	-.068	.159	.066	.115	.018	.013
2	Criterion Calm Distractor	.783**	.125	.070	.045	.115	.081	.044	.052	.211	.070	.016	.082
3	Criterion CalmFear	.358	.434*	.032	-.050	.159	.070	-.046	.070	-.045	.061	-.034	.067
4	Criterion CalmHappy	.336	.172	.167	.117	.255	.193	.114	.240	.191	.172	.125	.191
5	Criterion Calm Target	.414*	.501*	.081	-.012	.241	.129	-.005	.155	.032	.113	.011	.117
6	Criterion Emotional Distractor	.663**	.398*	.159	.056	.321	.213	.071	.227	.193	.190	.073	.191
7	Criterion Emotional Target	.863**	.033	.147	.086	.220	.176	.106	.140	.354	.142	.097	.156
8	Criterion FearCalm	.548**	-.060	.296	.247	.440*	.435*	.263	.415*	.259	.375	.357	.303
9	Criterion Fear Distractor	.601**	.678**	.010	-.072	.124	.053	-.044	.019	.151	.072	-.076	.023
10	Criterion FearHappy	.567**	-.131	.436*	.316	.582**	.487*	.332	.504*	.296	.402	.363	.473*
11	Criterion Fear Target	.725**	-.066	.327	.222	.429*	.374	.254	.402	.288	.281	.279	.342
12	Criterion HappyCalm	.609**	.256	-.233	-.226	-.149	-.228	-.252	-.278	-.068	-.173	-.293	-.208
13	Criterion Happy Distractor	.602**	.108	.264	.166	.417*	.315	.176	.405*	.237	.244	.203	.296
14	Criterion HappyFear	.717**	.028	.226	.197	.245	.239	.216	.178	.516**	.248	.179	.220
15	Criterion Happy Target	.703**	.284	.000	-.006	.049	.012	-.011	.013	.215	.057	-.084	.008
16	Criterion NonEmotional Distractor	.783**	.125	.070	.045	.115	.081	.044	.052	.211	.070	.016	.082
17	Criterion NonEmotional Target	.414*	.501*	.081	-.012	.241	.129	-.005	.155	.032	.113	.011	.117
18	DPrime	.081	-.705**	.529**	.503**	.567**	.567**	.501**	.413*	.467*	.561**	.541**	.542**
19	DPrime Calm Distractor	-.496*	.134	-.093	-.088	-.082	-.093	-.097	-.089	-.049	-.034	-.144	-.086
20	DPrime CalmFear	.349	-.403	.114	.152	.074	.093	.128	.146	.132	.039	.107	.118
21	DPrime CalmHappy	.049	-.671**	.568**	.548**	.539**	.555**	.541**	.373	.516**	.569**	.533**	.582**
22	DPrime Calm Target	.240	-.826**	.528**	.521**	.482*	.509**	.516**	.354	.511*	.489*	.539**	.535**
23	DPrime Emotional Distractor	.306	-.749**	.562**	.536**	.549**	.555**	.534**	.396	.539**	.543**	.555**	.573**
24	DPrime Emotional Target	-.197	.059	.115	.060	.197	.147	.067	.154	.132	.191	.052	.132
25	DPrime FearCalm	-.454*	.121	-.094	-.105	-.092	-.073	-.080	-.068	-.084	-.040	-.073	-.111
26	DPrime Fear Distractor	.531**	-.501*	.254	.255	.263	.251	.240	.229	.316	.234	.207	.265
27	DPrime FearHappy	.165	-.114	.320	.252	.427*	.352	.247	.326	.192	.336	.289	.353
28	DPrime Fear Target	-.218	.028	.025	-.035	.100	.061	-.012	.059	.014	.075	.013	.030

		97	98	99	100	101	102	103	104	105	106	107	108
29	DPrime HappyCalm	-.213	.101	.191	.192	.248	.190	.141	.299	.123	.213	.063	.235
30	DPrime Happy Distractor	.113	-.577**	.527**	.477*	.549**	.534**	.479*	.347	.449*	.543**	.506**	.546**
31	DPrime HappyFear	.370	-.111	.449*	.397*	.513**	.469*	.387	.406*	.341	.493*	.352	.479*
32	DPrime Happy Target	-.048	.170	.150	.131	.219	.166	.101	.388	.147	.186	.008	.183
33	DPrime NonEmotional Distractor	-.496*	.134	-.093	-.088	-.082	-.093	-.097	-.089	-.049	-.034	-.144	-.086
34	DPrime NonEmotional Target	.240	-.826**	.528**	.521**	.482*	.509**	.516**	.354	.511*	.489*	.539**	.535**
35	zCorrectRejectionRate Calm Distractor	.324	.168	.002	-.014	.043	.011	-.019	-.008	.127	.035	-.066	.015
36	zCorrectRejectionRate CalmFear	.511*	.029	.105	.073	.169	.118	.058	.156	.062	.073	.052	.134
37	zCorrectRejectionRate CalmHappy	.226	-.460*	.562**	.518**	.587**	.565**	.511**	.422*	.523**	.566**	.510**	.587**
38	zCorrectRejectionRate Calm Target	.414*	-.405*	.471*	.416*	.518**	.481*	.416*	.339	.434*	.457*	.443*	.495*
39	zCorrectRejectionRate Emotional Distractor	.579**	-.320	.488*	.414*	.567**	.513**	.421*	.384	.498*	.492*	.437*	.514**
40	zCorrectRejectionRate Emotional Target	.598**	.053	.169	.096	.265	.207	.115	.179	.355	.200	.101	.184
41	zCorrectRejectionRate FearCalm	.079	.033	.135	.098	.224	.232	.122	.214	.117	.214	.183	.130
42	zCorrectRejectionRate Fear Distractor	.765**	.149	.172	.115	.258	.200	.125	.162	.328	.203	.081	.188
43	zCorrectRejectionRate FearHappy	.380	-.131	.403	.304	.538**	.447*	.309	.438*	.259	.395	.348	.441*
44	zCorrectRejectionRate Fear Target	.385	-.030	.243	.135	.355	.295	.171	.308	.212	.238	.202	.256
45	zCorrectRejectionRate HappyCalm	.318	.249	-.055	-.050	.041	-.052	-.099	-.030	.031	.002	-.177	-.010
46	zCorrectRejectionRate Happy Distractor	.400*	-.356	.517**	.430*	.613**	.549**	.437*	.455*	.446*	.518**	.470*	.548**
47	zCorrectRejectionRate HappyFear	.718**	-.031	.383	.336	.427*	.402*	.346	.327	.503*	.420*	.301	.392
48	zCorrectRejectionRate Happy Target	.474*	.289	.078	.063	.148	.094	.045	.198	.223	.137	-.055	.100
49	zCorrectRejectionRate NonEmotional Distractor	.324	.168	.002	-.014	.043	.011	-.019	-.008	.127	.035	-.066	.015
50	zCorrectRejectionRate NonEmotional Target	.414*	-.405*	.471*	.416*	.518**	.481*	.416*	.339	.434*	.457*	.443*	.495*
51	zFalseAlarmRate Calm Distractor	-.324	-.168	-.002	.014	-.043	-.011	.019	.008	-.127	-.035	.066	-.015
52	zFalseAlarmRate CalmFear	-.511*	-.029	-.105	-.073	-.169	-.118	-.058	-.156	-.062	-.073	-.052	-.134
53	zFalseAlarmRate CalmHappy	-.226	.460*	-.562**	-.518**	-.587**	-.565**	-.511**	-.422*	-.523**	-.566**	-.510**	-.587**
54	zFalseAlarmRate Calm Target	-.414*	.405*	-.471*	-.416*	-.518**	-.481*	-.416*	-.339	-.434*	-.457*	-.443*	-.495*
55	zFalseAlarmRate Emotional Distractor	-.579**	.320	-.488*	-.414*	-.567**	-.513**	-.421*	-.384	-.498*	-.492*	-.437*	-.514**
56	zFalseAlarmRate Emotional Target	-.598**	-.053	-.169	-.096	-.265	-.207	-.115	-.179	-.355	-.200	-.101	-.184

		97	98	99	100	101	102	103	104	105	106	107	108
57	zFalseAlarmRate FearCalm	-.079	-.033	-.135	-.098	-.224	-.232	-.122	-.214	-.117	-.214	-.183	-.130
58	zFalseAlarmRate Fear Distractor	-.765**	-.149	-.172	-.115	-.258	-.200	-.125	-.162	-.328	-.203	-.081	-.188
59	zFalseAlarmRate FearHappy	-.386	.115	-.387	-.296	-.515*	-.426*	-.297	-.414*	-.249	-.372	-.338	-.425*
60	zFalseAlarmRate Fear Target	-.385	.030	-.243	-.135	-.355	-.295	-.171	-.308	-.212	-.238	-.202	-.256
61	zFalseAlarmRate HappyCalm	-.318	-.249	.055	.050	-.041	.052	.099	.030	-.031	-.002	.177	.010
62	zFalseAlarmRate Happy Distractor	-.400*	.356	-.517**	-.430*	-.613**	-.549**	-.437*	-.455*	-.446*	-.518**	-.470*	-.548**
63	zFalseAlarmRate HappyFear	-.718**	.031	-.383	-.336	-.427*	-.402*	-.346	-.327	-.503*	-.420*	-.301	-.392
64	zFalseAlarmRate Happy Target	-.474*	-.289	-.078	-.063	-.148	-.094	-.045	-.198	-.223	-.137	.055	-.100
65	zFalseAlarmRate NonEmotional Distractor	-.324	-.168	-.002	.014	-.043	-.011	.019	.008	-.127	-.035	.066	-.015
66	zFalseAlarmRate NonEmotional Target	-.414*	.405*	-.471*	-.416*	-.518**	-.481*	-.416*	-.339	-.434*	-.457*	-.443*	-.495*
67	zHitRate Calm Distractor	-1.000**	-.025	-.120	-.095	-.153	-.130	-.100	-.102	-.210	-.083	-.105	-.126
68	zHitRate CalmFear	-.009	-.834**	.074	.170	-.069	.024	.147	.047	.142	-.013	.132	.050
69	zHitRate CalmHappy	-.146	-.657**	.382	.393	.309	.356	.389	.117	.339	.380	.377	.381
70	zHitRate Calm Target	-.025	-1.000**	.413*	.459*	.282	.368	.451*	.147	.427*	.360	.462*	.398*
71	zHitRate Emotional Distractor	-.179	-.962**	.404*	.452*	.280	.361	.440*	.140	.375	.365	.457*	.392
72	zHitRate Emotional Target	-.938**	.001	-.078	-.050	-.103	-.088	-.065	-.052	-.225	-.031	-.064	-.077
73	zHitRate FearCalm	-.870**	.155	-.346	-.311	-.471*	-.451*	-.305	-.444*	-.304	-.370	-.381	-.367
74	zHitRate Fear Distractor	-.083	-.882**	.174	.238	.093	.138	.206	.150	.123	.112	.207	.173
75	zHitRate FearHappy	-.472*	.002	-.089	-.038	-.120	-.108	-.063	-.146	-.097	-.024	-.042	-.088
76	zHitRate Fear Target	-.809**	.079	-.275	-.226	-.314	-.292	-.237	-.321	-.246	-.198	-.242	-.285
77	zHitRate HappyCalm	-.665**	-.132	.316	.309	.287	.311	.297	.417*	.161	.284	.277	.325
78	zHitRate Happy Distractor	-.310	-.614**	.311	.332	.226	.282	.327	-.028	.268	.339	.333	.306
79	zHitRate HappyFear	-.480*	-.172	.078	.074	.095	.074	.047	.073	-.305	.080	.070	.104
80	zHitRate Happy Target	-.711**	-.154	.105	.098	.107	.105	.082	.227	-.087	.076	.086	.121
81	zHitRate NonEmotional Distractor	-1.000**	-.025	-.120	-.095	-.153	-.130	-.100	-.102	-.210	-.083	-.105	-.126
82	zHitRate NonEmotional Target	-.025	-1.000**	.413*	.459*	.282	.368	.451*	.147	.427*	.360	.462*	.398*
83	zMissRate Calm Distractor	1.000**	.025	.120	.095	.153	.130	.100	.102	.210	.083	.105	.126
84	zMissRate CalmFear	.009	.834**	-.074	-.170	.069	-.024	-.147	-.047	-.142	.013	-.132	-.050
85	zMissRate CalmHappy	.146	.657**	-.382	-.393	-.309	-.356	-.389	-.117	-.339	-.380	-.377	-.381

		97	98	99	100	101	102	103	104	105	106	107	108
86	zMissRate Calm Target	.025	1.000**	-.413*	-.459*	-.282	-.368	-.451*	-.147	-.427*	-.360	-.462*	-.398*
87	zMissRate Emotional Distractor	.179	.962**	-.404*	-.452*	-.280	-.361	-.440*	-.140	-.375	-.365	-.457*	-.392
88	zMissRate Emotional Target	.938**	-.001	.078	.050	.103	.088	.065	.052	.225	.031	.064	.077
89	zMissRate FearCalm	.870**	-.155	.346	.311	.471*	.451*	.305	.444*	.304	.370	.381	.367
90	zMissRate Fear Distractor	.083	.882**	-.174	-.238	-.093	-.138	-.206	-.150	-.123	-.112	-.207	-.173
91	zMissRate FearHappy	.472*	-.002	.089	.038	.120	.108	.063	.146	.097	.024	.042	.088
92	zMissRate Fear Target	.809**	-.079	.275	.226	.314	.292	.237	.321	.246	.198	.242	.285
93	zMissRate HappyCalm	.665**	.132	-.316	-.309	-.287	-.311	-.297	-.417*	-.161	-.284	-.277	-.325
94	zMissRate Happy Distractor	.310	.614**	-.311	-.332	-.226	-.282	-.327	.028	-.268	-.339	-.333	-.306
95	zMissRate HappyFear	.480*	.172	-.078	-.074	-.095	-.074	-.047	-.073	.305	-.080	-.070	-.104
96	zMissRate Happy Target	.711**	.154	-.105	-.098	-.107	-.105	-.082	-.227	.087	-.076	-.086	-.121
97	zMissRate NonEmotional Distractor	1	.025	.120	.095	.153	.130	.100	.102	.210	.083	.105	.126
98	zMissRate NonEmotional Target	.025	1	-.413*	-.459*	-.282	-.368	-.451*	-.147	-.427*	-.360	-.462*	-.398*
99	zRT AllRuns Hits	.120	-.413*	1	.975**	.931**	.992**	.985**	.946**	.961**	.973**	.957**	.994**
100	zRT Calm Distractor Hits	.095	-.459*	.975**	1	.840**	.935**	.989**	.877**	.974**	.925**	.952**	.966**
101	zRT Calm Target Hits	.153	-.282	.931**	.840**	1	.961**	.852**	.895**	.818**	.953**	.831**	.953**
102	zRT Emotional Distractor Hits	.130	-.368	.992**	.935**	.961**	1	.958**	.956**	.926**	.978**	.934**	.987**
103	zRT Emotional Target Hits	.100	-.451*	.985**	.989**	.852**	.958**	1	.911**	.980**	.937**	.967**	.965**
104	zRT Fear Distractor Hits	.102	-.147	.946**	.877**	.895**	.956**	.911**	1	.842**	.869**	.926**	.935**
105	zRT Fear Target Hits	.210	-.427*	.961**	.974**	.818**	.926**	.980**	.842**	1	.922**	.889**	.941**
106	zRT Happy Distractor Hits	.083	-.360	.973**	.925**	.953**	.978**	.937**	.869**	.922**	1	.892**	.975**
107	zRT Happy Target Hits	.105	-.462*	.957**	.952**	.831**	.934**	.967**	.926**	.889**	.892**	1	.936**
108	zRT Hits Calm	.126	-.398*	.994**	.966**	.953**	.987**	.965**	.935**	.941**	.975**	.936**	1
109	ZRT Hits CalmFear	.264	-.060	.863**	.752**	.925**	.900**	.777**	.952**	.746**	.803**	.775**	.879**
110	ZRT Hits CalmHappy	.084	-.271	.880**	.805**	.952**	.903**	.803**	.761**	.762**	.949**	.782**	.910**
111	zRT Hits Fear	.147	-.416*	.989**	.968**	.895**	.978**	.987**	.953**	.975**	.941**	.943**	.974**
112	ZRT Hits FearCalm	.228	-.422*	.934**	.967**	.790**	.887**	.954**	.798**	.986**	.888**	.850**	.923**
113	ZRT Hits FearHappy	.182	-.415*	.952**	.942**	.818**	.935**	.971**	.856**	.979**	.926**	.899**	.920**
114	zRT Hits Happy	.099	-.423*	.995**	.982**	.907**	.980**	.991**	.912**	.969**	.975**	.958**	.986**

		97	98	99	100	101	102	103	104	105	106	107	108
115	ZRT Hits HappyCalm	.040	-.442*	.936**	.951**	.810**	.903**	.943**	.863**	.863**	.886**	.977**	.927**
116	ZRT Hits HappyFear	.041	-.237	.928**	.897**	.791**	.920**	.946**	.925**	.868**	.857**	.967**	.885**
117	zRT Hits	.120	-.413*	1.000**	.975**	.931**	.992**	.985**	.946**	.961**	.973**	.957**	.994**
118	zRT Nonemotional Distractor Hits	.095	-.459*	.975**	1.000**	.840**	.935**	.989**	.877**	.974**	.925**	.952**	.966**
119	zRT Nonemotional Target Hits	.153	-.282	.931**	.840**	1.000**	.961**	.852**	.895**	.818**	.953**	.831**	.953**
120	Gender	.273	-.164	.187	.210	.285	.269	.185	.178	.181	.297	.238	.199
121	AgeYears	.140	-.135	.263	.300	.297	.281	.248	.277	.244	.263	.277	.293

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		109	110	111	112	113	114	115	116	117	118	119	120
1	Criterion	.461*	.214	-.004	.097	.163	-.027	-.011	.071	-.009	-.079	.219	.094
2	Criterion Calm Distractor	.241	.112	.089	.254	.153	.062	-.015	.016	.070	.045	.115	.214
3	Criterion CalmFear	.159	.160	.015	-.029	-.061	.002	-.040	-.054	.032	-.050	.159	-.021
4	Criterion CalmHappy	.374	.268	.157	.234	.135	.156	.109	.200	.167	.117	.255	.053
5	Criterion Calm Target	.270	.244	.062	.065	-.006	.054	-.011	.056	.081	-.012	.241	.062
6	Criterion Emotional Distractor	.466*	.302	.154	.214	.161	.129	.046	.110	.159	.056	.321	.079
7	Criterion Emotional Target	.485*	.182	.173	.372	.320	.128	.048	.078	.147	.086	.220	.143
8	Criterion FearCalm	.438*	.370	.313	.280	.330	.273	.297	.344	.296	.247	.440*	.362
9	Criterion Fear Distractor	.216	.158	.015	.163	.130	.005	-.090	-.017	.010	-.072	.124	.040
10	Criterion FearHappy	.616**	.448*	.430*	.288	.294	.372	.302	.298	.436*	.316	.582**	.141
11	Criterion Fear Target	.565**	.307	.350	.286	.280	.276	.197	.264	.327	.222	.429*	.224
12	Criterion HappyCalm	-.115	-.069	-.239	.000	-.143	-.217	-.265	-.270	-.233	-.226	-.149	.021
13	Criterion Happy Distractor	.604**	.344	.264	.269	.191	.223	.136	.280	.264	.166	.417*	.151
14	Criterion HappyFear	.438*	.265	.246	.536**	.474*	.237	.147	.207	.226	.197	.245	.147
15	Criterion Happy Target	.198	.106	.010	.255	.162	.018	-.080	.029	.000	-.006	.049	.110
16	Criterion NonEmotional Distractor	.241	.112	.089	.254	.153	.062	-.015	.016	.070	.045	.115	.214
17	Criterion NonEmotional Target	.270	.244	.062	.065	-.006	.054	-.011	.056	.081	-.012	.241	.062
18	DPrime	.381	.580**	.504**	.479*	.469*	.527**	.504*	.431*	.529**	.503**	.567**	.224
19	DPrime Calm Distractor	-.083	.022	-.109	-.020	-.079	-.070	-.090	-.042	-.093	-.088	-.082	-.135
20	DPrime CalmFear	.138	.021	.142	.195	.054	.107	.050	.153	.114	.152	.074	.327
21	DPrime CalmHappy	.337	.560**	.545**	.520**	.490*	.564**	.509*	.354	.568**	.548**	.539**	.087
22	DPrime Calm Target	.348	.471*	.520**	.527**	.474*	.522**	.491*	.373	.528**	.521**	.482*	.229
23	DPrime Emotional Distractor	.429*	.549**	.543**	.545**	.512*	.556**	.520**	.406*	.562**	.536**	.549**	.193
24	DPrime Emotional Target	.263	.301	.075	.133	.125	.127	.074	.181	.115	.060	.197	-.197
25	DPrime FearCalm	-.163	.000	-.102	-.075	-.081	-.066	-.095	.062	-.094	-.105	-.092	.070
26	DPrime Fear Distractor	.303	.246	.260	.352	.260	.251	.172	.227	.254	.255	.263	.262
27	DPrime FearHappy	.360	.419*	.273	.183	.194	.298	.281	.254	.320	.252	.427*	-.009
28	DPrime Fear Target	.102	.175	-.002	.014	.013	.033	-.024	.110	.025	-.035	.100	-.059

		109	110	111	112	113	114	115	116	117	118	119	120
29	DPrime HappyCalm	.361	.251	.171	.163	.073	.174	.142	.153	.191	.192	.248	-.185
30	DPrime Happy Distractor	.358	.585**	.487*	.441*	.440*	.521**	.480*	.341	.527**	.477*	.549**	.050
31	DPrime HappyFear	.439*	.526**	.406*	.315	.356	.435*	.401	.324	.449*	.397*	.513**	.142
32	DPrime Happy Target	.531*	.233	.139	.172	.113	.140	.086	.267	.150	.131	.219	-.216
33	DPrime NonEmotional Distractor	-.083	.022	-.109	-.020	-.079	-.070	-.090	-.042	-.093	-.088	-.082	-.135
34	DPrime NonEmotional Target	.348	.471*	.520**	.527**	.474*	.522**	.491*	.373	.528**	.521**	.482*	.229
35	zCorrectRejectionRate Calm Distractor	.129	.097	.008	.176	.067	.009	-.058	-.011	.002	-.014	.043	.089
36	zCorrectRejectionRate CalmFear	.215	.132	.113	.118	-.006	.078	.006	.070	.105	.073	.169	.219
37	zCorrectRejectionRate CalmHappy	.462*	.611**	.537**	.550**	.472*	.553**	.479*	.382	.562**	.518**	.587**	.102
38	zCorrectRejectionRate Calm Target	.411	.511**	.455*	.463*	.383	.452*	.387	.284	.471*	.416*	.518**	.218
39	zCorrectRejectionRate Emotional Distractor	.555**	.557**	.472*	.513*	.462*	.468*	.387	.317	.488*	.414*	.567**	.181
40	zCorrectRejectionRate Emotional Target	.522*	.282	.172	.370	.324	.160	.072	.143	.169	.096	.265	.025
41	zCorrectRejectionRate FearCalm	.172	.235	.141	.136	.161	.136	.135	.247	.135	.098	.224	.273
42	zCorrectRejectionRate Fear Distractor	.371	.270	.179	.362	.274	.167	.047	.135	.172	.115	.258	.198
43	zCorrectRejectionRate FearHappy	.514*	.466*	.373	.250	.259	.358	.314	.295	.403	.304	.538**	.066
44	zCorrectRejectionRate Fear Target	.450*	.312	.243	.210	.206	.211	.124	.242	.243	.135	.355	.124
45	zCorrectRejectionRate HappyCalm	.144	.102	-.072	.098	-.046	-.053	-.108	-.111	-.055	-.050	.041	-.097
46	zCorrectRejectionRate Happy Distractor	.565**	.601**	.489*	.457*	.416*	.491*	.417*	.379	.517**	.430*	.613**	.116
47	zCorrectRejectionRate HappyFear	.497*	.449*	.378	.503*	.484*	.384	.299	.310	.383	.336	.427*	.178
48	zCorrectRejectionRate Happy Target	.420	.196	.079	.263	.169	.085	-.012	.152	.078	.063	.148	-.034
49	zCorrectRejectionRate NonEmotional Distractor	.129	.097	.008	.176	.067	.009	-.058	-.011	.002	-.014	.043	.089
50	zCorrectRejectionRate NonEmotional Target	.411	.511**	.455*	.463*	.383	.452*	.387	.284	.471*	.416*	.518**	.218
51	zFalseAlarmRate Calm Distractor	-.129	-.097	-.008	-.176	-.067	-.009	.058	.011	-.002	.014	-.043	-.089
52	zFalseAlarmRate CalmFear	-.215	-.132	-.113	-.118	.006	-.078	-.006	-.070	-.105	-.073	-.169	-.219
53	zFalseAlarmRate CalmHappy	-.462*	-.611**	-.537**	-.550**	-.472*	-.553**	-.479*	-.382	-.562**	-.518**	-.587**	-.102
54	zFalseAlarmRate Calm Target	-.411	-.511**	-.455*	-.463*	-.383	-.452*	-.387	-.284	-.471*	-.416*	-.518**	-.218
55	zFalseAlarmRate Emotional Distractor	-.555**	-.557**	-.472*	-.513*	-.462*	-.468*	-.387	-.317	-.488*	-.414*	-.567**	-.181
56	zFalseAlarmRate Emotional Target	-.522*	-.282	-.172	-.370	-.324	-.160	-.072	-.143	-.169	-.096	-.265	-.025

		109	110	111	112	113	114	115	116	117	118	119	120
57	zFalseAlarmRate FearCalm	-.172	-.235	-.141	-.136	-.161	-.136	-.135	-.247	-.135	-.098	-.224	-.273
58	zFalseAlarmRate Fear Distractor	-.371	-.270	-.179	-.362	-.274	-.167	-.047	-.135	-.172	-.115	-.258	-.198
59	zFalseAlarmRate FearHappy	-.498*	-.434*	-.360	-.239	-.249	-.341	-.312	-.266	-.387	-.296	-.515*	-.117
60	zFalseAlarmRate Fear Target	-.450*	-.312	-.243	-.210	-.206	-.211	-.124	-.242	-.243	-.135	-.355	-.124
61	zFalseAlarmRate HappyCalm	-.144	-.102	.072	-.098	.046	.053	.108	.111	.055	.050	-.041	.097
62	zFalseAlarmRate Happy Distractor	-.565**	-.601**	-.489*	-.457*	-.416*	-.491*	-.417*	-.379	-.517**	-.430*	-.613**	-.116
63	zFalseAlarmRate HappyFear	-.497*	-.449*	-.378	-.503*	-.484*	-.384	-.299	-.310	-.383	-.336	-.427*	-.178
64	zFalseAlarmRate Happy Target	-.420	-.196	-.079	-.263	-.169	-.085	.012	-.152	-.078	-.063	-.148	.034
65	zFalseAlarmRate NonEmotional Distractor	-.129	-.097	-.008	-.176	-.067	-.009	.058	.011	-.002	.014	-.043	-.089
66	zFalseAlarmRate NonEmotional Target	-.411	-.511**	-.455*	-.463*	-.383	-.452*	-.387	-.284	-.471*	-.416*	-.518**	-.218
67	zHitRate Calm Distractor	-.264	-.084	-.147	-.228	-.182	-.099	-.040	-.041	-.120	-.095	-.153	-.273
68	zHitRate CalmFear	-.016	-.110	.107	.175	.097	.092	.107	.137	.074	.170	-.069	.248
69	zHitRate CalmHappy	.001	.319	.368	.319	.348	.384	.366	.131	.382	.393	.309	.043
70	zHitRate Calm Target	.060	.271	.416*	.422*	.415*	.423*	.442*	.237	.413*	.459*	.282	.164
71	zHitRate Emotional Distractor	-.001	.293	.390	.366	.370	.419*	.453*	.249	.404*	.452*	.280	.122
72	zHitRate Emotional Target	-.261	-.009	-.125	-.240	-.200	-.053	-.005	.024	-.078	-.050	-.103	-.246
73	zHitRate FearCalm	-.550**	-.331	-.368	-.316	-.363	-.302	-.344	-.263	-.346	-.311	-.471*	-.271
74	zHitRate Fear Distractor	.069	.054	.175	.141	.097	.176	.208	.175	.174	.238	.093	.157
75	zHitRate FearHappy	-.230	.036	-.148	-.100	-.090	-.041	.012	.001	-.089	-.038	-.120	-.188
76	zHitRate Fear Target	-.428*	-.150	-.316	-.244	-.238	-.224	-.194	-.157	-.275	-.226	-.314	-.243
77	zHitRate HappyCalm	.411	.226	.307	.135	.184	.291	.310	.315	.316	.309	.287	-.157
78	zHitRate Happy Distractor	-.161	.310	.273	.239	.291	.333	.347	.073	.311	.332	.226	-.057
79	zHitRate HappyFear	-.098	.080	.027	-.349	-.240	.057	.138	-.005	.078	.074	.095	-.050
80	zHitRate Happy Target	.207	.062	.088	-.106	-.063	.081	.137	.137	.105	.098	.107	-.259
81	zHitRate NonEmotional Distractor	-.264	-.084	-.147	-.228	-.182	-.099	-.040	-.041	-.120	-.095	-.153	-.273
82	zHitRate NonEmotional Target	.060	.271	.416*	.422*	.415*	.423*	.442*	.237	.413*	.459*	.282	.164
83	zMissRate Calm Distractor	.264	.084	.147	.228	.182	.099	.040	.041	.120	.095	.153	.273
84	zMissRate CalmFear	.016	.110	-.107	-.175	-.097	-.092	-.107	-.137	-.074	-.170	.069	-.248
85	zMissRate CalmHappy	-.001	-.319	-.368	-.319	-.348	-.384	-.366	-.131	-.382	-.393	-.309	-.043

		109	110	111	112	113	114	115	116	117	118	119	120
86	zMissRate Calm Target	-.060	-.271	-.416*	-.422*	-.415*	-.423*	-.442*	-.237	-.413*	-.459*	-.282	-.164
87	zMissRate Emotional Distractor	.001	-.293	-.390	-.366	-.370	-.419*	-.453*	-.249	-.404*	-.452*	-.280	-.122
88	zMissRate Emotional Target	.261	.009	.125	.240	.200	.053	.005	-.024	.078	.050	.103	.246
89	zMissRate FearCalm	.550**	.331	.368	.316	.363	.302	.344	.263	.346	.311	.471*	.271
90	zMissRate Fear Distractor	-.069	-.054	-.175	-.141	-.097	-.176	-.208	-.175	-.174	-.238	-.093	-.157
91	zMissRate FearHappy	.230	-.036	.148	.100	.090	.041	-.012	-.001	.089	.038	.120	.188
92	zMissRate Fear Target	.428*	.150	.316	.244	.238	.224	.194	.157	.275	.226	.314	.243
93	zMissRate HappyCalm	-.411	-.226	-.307	-.135	-.184	-.291	-.310	-.315	-.316	-.309	-.287	.157
94	zMissRate Happy Distractor	.161	-.310	-.273	-.239	-.291	-.333	-.347	-.073	-.311	-.332	-.226	.057
95	zMissRate HappyFear	.098	-.080	-.027	.349	.240	-.057	-.138	.005	-.078	-.074	-.095	.050
96	zMissRate Happy Target	-.207	-.062	-.088	.106	.063	-.081	-.137	-.137	-.105	-.098	-.107	.259
97	zMissRate NonEmotional Distractor	.264	.084	.147	.228	.182	.099	.040	.041	.120	.095	.153	.273
98	zMissRate NonEmotional Target	-.060	-.271	-.416*	-.422*	-.415*	-.423*	-.442*	-.237	-.413*	-.459*	-.282	-.164
99	zRT AllRuns Hits	.863**	.880**	.989**	.934**	.952**	.995**	.936**	.928**	1.000**	.975**	.931**	.187
100	zRT Calm Distractor Hits	.752**	.805**	.968**	.967**	.942**	.982**	.951**	.897**	.975**	1.000**	.840**	.210
101	zRT Calm Target Hits	.925**	.952**	.895**	.790**	.818**	.907**	.810**	.791**	.931**	.840**	1.000**	.285
102	zRT Emotional Distractor Hits	.900**	.903**	.978**	.887**	.935**	.980**	.903**	.920**	.992**	.935**	.961**	.269
103	zRT Emotional Target Hits	.777**	.803**	.987**	.954**	.971**	.991**	.943**	.946**	.985**	.989**	.852**	.185
104	zRT Fear Distractor Hits	.952**	.761**	.953**	.798**	.856**	.912**	.863**	.925**	.946**	.877**	.895**	.178
105	zRT Fear Target Hits	.746**	.762**	.975**	.986**	.979**	.969**	.863**	.868**	.961**	.974**	.818**	.181
106	zRT Happy Distractor Hits	.803**	.949**	.941**	.888**	.926**	.975**	.886**	.857**	.973**	.925**	.953**	.297
107	zRT Happy Target Hits	.775**	.782**	.943**	.850**	.899**	.958**	.977**	.967**	.957**	.952**	.831**	.238
108	zRT Hits Calm	.879**	.910**	.974**	.923**	.920**	.986**	.927**	.885**	.994**	.966**	.953**	.199
109	ZRT Hits CalmFear	1	.725**	.871**	.704**	.759**	.799**	.737**	.759**	.863**	.752**	.925**	.110
110	ZRT Hits CalmHappy	.725**	1	.812**	.746**	.750**	.880**	.793**	.721**	.880**	.805**	.952**	.270
111	zRT Hits Fear	.871**	.812**	1	.948**	.968**	.982**	.904**	.936**	.989**	.968**	.895**	.178
112	ZRT Hits FearCalm	.704**	.746**	.948**	1	.928**	.945**	.826**	.821**	.934**	.967**	.790**	.194
113	ZRT Hits FearHappy	.759**	.750**	.968**	.928**	1	.958**	.871**	.883**	.952**	.942**	.818**	.253
114	zRT Hits Happy	.799**	.880**	.982**	.945**	.958**	1	.941**	.931**	.995**	.982**	.907**	.188

	109	110	111	112	113	114	115	116	117	118	119	120
115 ZRT Hits HappyCalm	.737**	.793**	.904**	.826**	.871**	.941**	1	.885**	.936**	.951**	.810**	.213
116 ZRT Hits HappyFear	.759**	.721**	.936**	.821**	.883**	.931**	.885**	1	.928**	.897**	.791**	.135
117 zRT Hits	.863**	.880**	.989**	.934**	.952**	.995**	.936**	.928**	1	.975**	.931**	.187
118 zRT Nonemotional Distractor Hits	.752**	.805**	.968**	.967**	.942**	.982**	.951**	.897**	.975**	1	.840**	.210
119 zRT Nonemotional Target Hits	.925**	.952**	.895**	.790**	.818**	.907**	.810**	.791**	.931**	.840**	1	.285
120 Gender	.110	.270	.178	.194	.253	.188	.213	.135	.187	.210	.285	1
121 AgeYears	.333	.230	.260	.273	.246	.242	.367	.126	.263	.300	.297	.353

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

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1	Criterion	.134
2	Criterion Calm Distractor	.269
3	Criterion CalmFear	.120
4	Criterion CalmHappy	.111
5	Criterion Calm Target	.077
6	Criterion Emotional Distractor	.056
7	Criterion Emotional Target	.136
8	Criterion FearCalm	.401*
9	Criterion Fear Distractor	.070
10	Criterion FearHappy	.101
11	Criterion Fear Target	.174
12	Criterion HappyCalm	.103
13	Criterion Happy Distractor	.073
14	Criterion HappyFear	.089
15	Criterion Happy Target	.075
16	Criterion NonEmotional Distractor	.269
17	Criterion NonEmotional Target	.077
18	DPrime	.114
19	DPrime Calm Distractor	.152
20	DPrime CalmFear	.234
21	DPrime CalmHappy	.134
22	DPrime Calm Target	.205
23	DPrime Emotional Distractor	.081
24	DPrime Emotional Target	-.190
25	DPrime FearCalm	.125
26	DPrime Fear Distractor	.120
27	DPrime FearHappy	-.148
28	DPrime Fear Target	-.107

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29	DPrime HappyCalm	.046
30	DPrime Happy Distractor	-.083
31	DPrime HappyFear	-.040
32	DPrime Happy Target	-.067
33	DPrime NonEmotional Distractor	.152
34	DPrime NonEmotional Target	.205
35	zCorrectRejectionRate Calm Distractor	.287
36	zCorrectRejectionRate CalmFear	.256
37	zCorrectRejectionRate CalmHappy	.172
38	zCorrectRejectionRate Calm Target	.207
39	zCorrectRejectionRate Emotional Distractor	.088
40	zCorrectRejectionRate Emotional Target	.021
41	zCorrectRejectionRate FearCalm	.330
42	zCorrectRejectionRate Fear Distractor	.127
43	zCorrectRejectionRate FearHappy	-.034
44	zCorrectRejectionRate Fear Target	.061
45	zCorrectRejectionRate HappyCalm	.103
46	zCorrectRejectionRate Happy Distractor	-.021
47	zCorrectRejectionRate HappyFear	.049
48	zCorrectRejectionRate Happy Target	.019
49	zCorrectRejectionRate NonEmotional Distractor	.287
50	zCorrectRejectionRate NonEmotional Target	.207
51	zFalseAlarmRate Calm Distractor	-.287
52	zFalseAlarmRate CalmFear	-.256
53	zFalseAlarmRate CalmHappy	-.172
54	zFalseAlarmRate Calm Target	-.207
55	zFalseAlarmRate Emotional Distractor	-.088
56	zFalseAlarmRate Emotional Target	-.021

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57	zFalseAlarmRate FearCalm	-.330
58	zFalseAlarmRate Fear Distractor	-.127
59	zFalseAlarmRate FearHappy	.071
60	zFalseAlarmRate Fear Target	-.061
61	zFalseAlarmRate HappyCalm	-.103
62	zFalseAlarmRate Happy Distractor	.021
63	zFalseAlarmRate HappyFear	-.049
64	zFalseAlarmRate Happy Target	-.019
65	zFalseAlarmRate NonEmotional Distractor	-.287
66	zFalseAlarmRate NonEmotional Target	-.207
67	zHitRate Calm Distractor	-.140
68	zHitRate CalmFear	.089
69	zHitRate CalmHappy	.050
70	zHitRate Calm Target	.135
71	zHitRate Emotional Distractor	.036
72	zHitRate Emotional Target	-.235
73	zHitRate FearCalm	-.261
74	zHitRate Fear Distractor	.032
75	zHitRate FearHappy	-.335
76	zHitRate Fear Target	-.234
77	zHitRate HappyCalm	-.043
78	zHitRate Happy Distractor	-.128
79	zHitRate HappyFear	-.106
80	zHitRate Happy Target	-.120
81	zHitRate NonEmotional Distractor	-.140
82	zHitRate NonEmotional Target	.135
83	zMissRate Calm Distractor	.140
84	zMissRate CalmFear	-.089
85	zMissRate CalmHappy	-.050

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86	zMissRate Calm Target	-.135
87	zMissRate Emotional Distractor	-.036
88	zMissRate Emotional Target	.235
89	zMissRate FearCalm	.261
90	zMissRate Fear Distractor	-.032
91	zMissRate FearHappy	.335
92	zMissRate Fear Target	.234
93	zMissRate HappyCalm	.043
94	zMissRate Happy Distractor	.128
95	zMissRate HappyFear	.106
96	zMissRate Happy Target	.120
97	zMissRate NonEmotional Distractor	.140
98	zMissRate NonEmotional Target	-.135
99	zRT AllRuns Hits	.263
100	zRT Calm Distractor Hits	.300
101	zRT Calm Target Hits	.297
102	zRT Emotional Distractor Hits	.281
103	zRT Emotional Target Hits	.248
104	zRT Fear Distractor Hits	.277
105	zRT Fear Target Hits	.244
106	zRT Happy Distractor Hits	.263
107	zRT Happy Target Hits	.277
108	zRT Hits Calm	.293
109	ZRT Hits CalmFear	.333
110	ZRT Hits CalmHappy	.230
111	zRT Hits Fear	.260
112	ZRT Hits FearCalm	.273
113	ZRT Hits FearHappy	.246
114	zRT Hits Happy	.242

		121
115	ZRT Hits HappyCalm	.367
116	ZRT Hits HappyFear	.126
117	zRT Hits	.263
118	zRT Nonemotional Distractor Hits	.300
119	zRT Nonemotional Target Hits	.297
120	Gender	.353
121	AgeYears	1

*Note.* \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

## Appendix N

Correlations between framing measures and measures of emotional go/no-go performance

N = 99

(Full behavioral sample)

		1	2	3	4	5	6	7	8	9	10	11	12	13
1	Criterion	1	.717**	.729**	.726**	.867**	.948**	.828**	.603**	.816**	.629**	.714**	.519**	.819**
2	Criterion Calm Distractor	.717**	1	.343**	.345**	.453**	.547**	.857**	.822**	.533**	.319**	.729**	.636**	.443**
3	Criterion CalmFear	.729**	.343**	1	.398**	.817**	.733**	.363**	.314**	.839**	.337**	.342**	.225*	.431**
4	Criterion CalmHappy	.726**	.345**	.398**	1	.789**	.757**	.458**	.294**	.460**	.404**	.391**	.277**	.862**
5	Criterion Calm Target	.867**	.453**	.817**	.789**	1	.922**	.528**	.384**	.782**	.453**	.479**	.318**	.768**
6	Criterion Emotional Distractor	.948**	.547**	.733**	.757**	.922**	1	.739**	.409**	.837**	.641**	.633**	.416**	.870**
7	Criterion Emotional Target	.828**	.857**	.363**	.458**	.528**	.739**	1	.669**	.597**	.682**	.851**	.597**	.682**
8	Criterion FearCalm	.603**	.822**	.314**	.294**	.384**	.409**	.669**	1	.357**	.283**	.773**	.122	.354**
9	Criterion Fear Distractor	.816**	.533**	.839**	.460**	.782**	.837**	.597**	.357**	1	.327**	.392**	.446**	.519**
10	Criterion FearHappy	.629**	.319**	.337**	.404**	.453**	.641**	.682**	.283**	.327**	1	.771**	.215*	.738**
11	Criterion Fear Target	.714**	.729**	.342**	.391**	.479**	.633**	.851**	.773**	.392**	.771**	1	.229*	.669**
12	Criterion HappyCalm	.519**	.636**	.225*	.277**	.318**	.416**	.597**	.122	.446**	.215*	.229*	1	.330**
13	Criterion Happy Distractor	.819**	.443**	.431**	.862**	.768**	.870**	.682**	.354**	.519**	.738**	.669**	.330**	1
14	Criterion HappyFear	.581**	.557**	.210*	.315**	.348**	.572**	.719**	.287**	.629**	.258*	.356**	.532**	.400**
15	Criterion Happy Target	.643**	.706**	.284**	.336**	.400**	.586**	.748**	.276**	.669**	.229*	.339**	.825**	.416**
16	Criterion NonEmotional Distractor	.717**	1.000**	.343**	.345**	.453**	.547**	.857**	.822**	.533**	.319**	.729**	.636**	.443**
17	Criterion NonEmotional Target	.867**	.453**	.817**	.789**	1.000**	.922**	.528**	.384**	.782**	.453**	.479**	.318**	.768**
18	DPrime	.005	.204*	-.070	.023	-.025	-.022	.158	.143	-.046	.166	.131	.262**	.042
19	DPrime Calm Distractor	.184	.223*	.058	.164	.125	.090	.118	.061	.121	.054	-.007	.505**	.084
20	DPrime CalmFear	.043	.148	-.023	.108	.004	.010	.170	.150	-.089	.185	.203*	.102	.163
21	DPrime CalmHappy	-.063	.070	-.018	.046	.035	-.039	.008	.086	-.082	.030	.029	.040	-.028
22	DPrime Calm Target	-.068	.099	-.082	.027	-.041	-.077	.097	.115	-.156	.118	.109	.058	.005
23	DPrime Emotional Distractor	.031	.191	-.063	.029	-.017	.038	.243*	.128	-.021	.245*	.215*	.150	.098
24	DPrime Emotional Target	.341**	.307**	.197	.241*	.270**	.306**	.271**	.116	.342**	.208*	.141	.466**	.242*
25	DPrime FearCalm	.134	.183	.095	.074	.095	.024	.044	.254*	.089	-.016	.047	.191	-.014
26	DPrime Fear Distractor	.237*	.349**	-.016	.244*	.120	.234*	.418**	.201*	.154	.262**	.300**	.287**	.320**
27	DPrime FearHappy	.284**	.205*	.221*	.108	.220*	.295**	.274**	.172	.198	.427**	.357**	.116	.291**
28	DPrime Fear Target	.254*	.224*	.185	.126	.198	.198	.169	.183	.202*	.215*	.177	.270**	.156

		1	2	3	4	5	6	7	8	9	10	11	12	13
29	DPrime HappyCalm	.239*	.307**	.082	.200*	.160	.180	.244*	.015	.146	.160	.071	.653**	.199*
30	DPrime Happy Distractor	.067	.153	.065	-.019	.082	.082	.171	.120	.023	.252*	.209*	.113	.058
31	DPrime HappyFear	.361**	.316**	.213*	.296**	.326**	.432**	.404**	.203*	.411**	.288**	.279**	.229*	.343**
32	DPrime Happy Target	.396**	.404**	.180	.320**	.309**	.382**	.387**	.143	.387**	.222*	.205*	.528**	.347**
33	DPrime NonEmotional Distractor	.184	.223*	.058	.164	.125	.090	.118	.061	.121	.054	-.007	.505**	.084
34	DPrime NonEmotional Target	-.068	.099	-.082	.027	-.041	-.077	.097	.115	-.156	.118	.109	.058	.005
35	zCorrectRejectionRate Calm Distractor	.608**	.830**	.270**	.336**	.389**	.435**	.669**	.603**	.444**	.252*	.507**	.736**	.359**
36	zCorrectRejectionRate CalmFear	.617**	.368**	.796**	.388**	.664**	.600**	.397**	.345**	.626**	.385**	.400**	.245*	.448**
37	zCorrectRejectionRate CalmHappy	.444**	.282**	.253*	.705**	.556**	.482**	.314**	.257*	.261**	.291**	.284**	.215*	.560**
38	zCorrectRejectionRate Calm Target	.616**	.413**	.568**	.621**	.736**	.652**	.469**	.372**	.533**	.426**	.440**	.282**	.590**
39	zCorrectRejectionRate Emotional Distractor	.724**	.529**	.503**	.582**	.674**	.767**	.705**	.387**	.629**	.636**	.608**	.406**	.709**
40	zCorrectRejectionRate Emotional Target	.779**	.783**	.368**	.458**	.524**	.697**	.869**	.544**	.610**	.604**	.693**	.675**	.622**
41	zCorrectRejectionRate FearCalm	.497**	.675**	.272**	.247*	.321**	.298**	.490**	.841**	.298**	.188	.564**	.192	.239*
42	zCorrectRejectionRate Fear Distractor	.753**	.595**	.636**	.483**	.664**	.767**	.681**	.385**	.849**	.396**	.461**	.496**	.569**
43	zCorrectRejectionRate FearHappy	.546**	.312**	.332**	.308**	.401**	.560**	.572**	.271**	.313**	.853**	.674**	.197	.616**
44	zCorrectRejectionRate Fear Target	.672**	.668**	.358**	.362**	.466**	.581**	.728**	.681**	.403**	.697**	.845**	.318**	.586**
45	zCorrectRejectionRate HappyCalm	.420**	.523**	.166	.263**	.265**	.331**	.467**	.074	.330**	.203*	.167	.913**	.293**
46	zCorrectRejectionRate Happy Distractor	.624**	.415**	.348**	.597**	.597**	.670**	.596**	.330**	.389**	.689**	.613**	.309**	.746**
47	zCorrectRejectionRate HappyFear	.538**	.500**	.235*	.347**	.383**	.572**	.643**	.272**	.594**	.304**	.362**	.437**	.423**
48	zCorrectRejectionRate Happy Target	.603**	.646**	.266**	.376**	.409**	.561**	.662**	.241*	.619**	.257*	.316**	.785**	.439**
49	zCorrectRejectionRate NonEmotional Distractor	.608**	.830**	.270**	.336**	.389**	.435**	.669**	.603**	.444**	.252*	.507**	.736**	.359**
50	zCorrectRejectionRate NonEmotional Target	.616**	.413**	.568**	.621**	.736**	.652**	.469**	.372**	.533**	.426**	.440**	.282**	.590**
51	zFalseAlarmRate Calm Distractor	-.608**	-.830**	-.270**	-.336**	-.389**	-.435**	-.669**	-.603**	-.444**	-.252*	-.507**	-.736**	-.359**
52	zFalseAlarmRate CalmFear	-.603**	-.353**	-.788**	-.386**	-.656**	-.584**	-.374**	-.337**	-.610**	-.372**	-.381**	-.236**	-.433**
53	zFalseAlarmRate CalmHappy	-.434**	-.278**	-.249*	-.693**	-.548**	-.475**	-.309**	-.249*	-.264**	-.278**	-.272**	-.220*	-.546**
54	zFalseAlarmRate Calm Target	-.616**	-.413**	-.568**	-.621**	-.736**	-.652**	-.469**	-.372**	-.533**	-.426**	-.440**	-.282**	-.590**
55	zFalseAlarmRate Emotional Distractor	-.724**	-.529**	-.503**	-.582**	-.674**	-.767**	-.705**	-.387**	-.629**	-.636**	-.608**	-.406**	-.709**
56	zFalseAlarmRate Emotional Target	-.779**	-.783**	-.368**	-.458**	-.524**	-.697**	-.869**	-.544**	-.610**	-.604**	-.693**	-.675**	-.622**

		1	2	3	4	5	6	7	8	9	10	11	12	13
57	zFalseAlarmRate FearCalm	-.509**	-.677**	-.297**	-.268**	-.342**	-.316**	-.494**	-.832**	-.323**	-.176	-.560**	-.207*	-.244*
58	zFalseAlarmRate Fear Distractor	-.753**	-.595**	-.636**	-.483**	-.664**	-.767**	-.681**	-.385**	-.849**	-.396**	-.461**	-.496**	-.569**
59	zFalseAlarmRate FearHappy	-.548**	-.312**	-.348**	-.323**	-.428**	-.579**	-.568**	-.262**	-.346**	-.821**	-.653**	-.218*	-.617**
60	zFalseAlarmRate Fear Target	-.672**	-.668**	-.358**	-.362**	-.466**	-.581**	-.728**	-.681**	-.403**	-.697**	-.845**	-.318**	-.586**
61	zFalseAlarmRate HappyCalm	-.442**	-.536**	-.210*	-.270**	-.286**	-.352**	-.481**	-.094	-.360**	-.204*	-.187	-.895**	-.301**
62	zFalseAlarmRate Happy Distractor	-.624**	-.415**	-.348**	-.597**	-.597**	-.670**	-.596**	-.330**	-.389**	-.689**	-.613**	-.309**	-.746**
63	zFalseAlarmRate HappyFear	-.534**	-.506**	-.237*	-.328**	-.373**	-.562**	-.641**	-.282**	-.588**	-.318**	-.371**	-.440**	-.408**
64	zFalseAlarmRate Happy Target	-.603**	-.646**	-.266**	-.376**	-.409**	-.561**	-.662**	-.241*	-.619**	-.257*	-.316**	-.785**	-.439**
65	zFalseAlarmRate NonEmotional Distractor	-.608**	-.830**	-.270**	-.336**	-.389**	-.435**	-.669**	-.603**	-.444**	-.252*	-.507**	-.736**	-.359**
66	zFalseAlarmRate NonEmotional Target	-.616**	-.413**	-.568**	-.621**	-.736**	-.652**	-.469**	-.372**	-.533**	-.426**	-.440**	-.282**	-.590**
67	zHitRate Calm Distractor	-.497**	-.717**	-.255*	-.185	-.307**	-.415**	-.667**	-.667**	-.382**	-.237*	-.644**	-.197	-.328**
68	zHitRate CalmFear	-.558**	-.186	-.806**	-.253*	-.652**	-.582**	-.190	-.162	-.725**	-.160	-.153	-.121	-.248*
69	zHitRate CalmHappy	-.577**	-.195	-.311**	-.670**	-.560**	-.580**	-.324**	-.143	-.409**	-.267**	-.259*	-.169	-.641**
70	zHitRate Calm Target	-.680**	-.268**	-.650**	-.561**	-.760**	-.726**	-.324**	-.206*	-.707**	-.254*	-.280**	-.196	-.559**
71	zHitRate Emotional Distractor	-.710**	-.295**	-.599**	-.565**	-.722**	-.746**	-.408**	-.225*	-.690**	-.324**	-.345**	-.221*	-.606**
72	zHitRate Emotional Target	-.557**	-.607**	-.196	-.273**	-.320**	-.496**	-.766**	-.531**	-.340**	-.480**	-.712**	-.255*	-.485**
73	zHitRate FearCalm	-.443**	-.604**	-.208*	-.211*	-.271**	-.345**	-.567**	-.718**	-.252*	-.261*	-.659**	.040	-.324**
74	zHitRate Fear Distractor	-.577**	-.257*	-.737**	-.258*	-.619**	-.597**	-.271**	-.185	-.792**	-.121	-.162	-.218*	-.262**
75	zHitRate FearHappy	-.344**	-.119	-.122	-.289**	-.234*	-.346**	-.405**	-.115	-.131	-.570**	-.415**	-.101	-.442**
76	zHitRate Fear Target	-.469**	-.502**	-.182	-.266**	-.297**	-.433**	-.646**	-.564**	-.218*	-.541**	-.773**	-.029	-.493**
77	zHitRate HappyCalm	-.356**	-.422**	-.189	-.106	-.202*	-.300**	-.449**	-.140	-.377**	-.073	-.199	-.461**	-.173
78	zHitRate Happy Distractor	-.567**	-.223*	-.275**	-.659**	-.518**	-.594**	-.390**	-.179	-.387**	-.371**	-.354**	-.168	-.708**
79	zHitRate HappyFear	-.264**	-.280**	.009	-.038	-.044	-.179	-.363**	-.090	-.283**	.041	-.099	-.345**	-.082
80	zHitRate Happy Target	-.316**	-.376**	-.125	-.056	-.136	-.267**	-.437**	-.154	-.356**	-.024	-.170	-.386**	-.117
81	zHitRate NonEmotional Distractor	-.497**	-.717**	-.255*	-.185	-.307**	-.415**	-.667**	-.667**	-.382**	-.237*	-.644**	-.197	-.328**
82	zHitRate NonEmotional Target	-.680**	-.268**	-.650**	-.561**	-.760**	-.726**	-.324**	-.206*	-.707**	-.254*	-.280**	-.196	-.559**
83	zMissRate Calm Distractor	.497**	.717**	.255*	.185	.307**	.415**	.667**	.667**	.382**	.237*	.644**	.197	.328**
84	zMissRate CalmFear	.558**	.186	.806**	.253*	.652**	.582**	.190	.162	.725**	.160	.153	.121	.248*
85	zMissRate CalmHappy	.577**	.195	.311**	.670**	.560**	.580**	.324**	.143	.409**	.267**	.259*	.169	.641**

		1	2	3	4	5	6	7	8	9	10	11	12	13
86	zMissRate Calm Target	.680**	.268**	.650**	.561**	.760**	.726**	.324**	.206*	.707**	.254*	.280**	.196	.559**
87	zMissRate Emotional Distractor	.710**	.295**	.599**	.565**	.722**	.746**	.408**	.225*	.690**	.324**	.345**	.221*	.606**
88	zMissRate Emotional Target	.557**	.607**	.196	.273**	.320**	.496**	.766**	.531**	.340**	.480**	.712**	.255*	.485**
89	zMissRate FearCalm	.443**	.604**	.208*	.211*	.271**	.345**	.567**	.718**	.252*	.261*	.659**	-.040	.324**
90	zMissRate Fear Distractor	.577**	.257*	.737**	.258*	.619**	.597**	.271**	.185	.792**	.121	.162	.218*	.262**
91	zMissRate FearHappy	.344**	.119	.122	.289**	.234*	.346**	.405**	.115	.131	.570**	.415**	.101	.442**
92	zMissRate Fear Target	.469**	.502**	.182	.266**	.297**	.433**	.646**	.564**	.218*	.541**	.773**	.029	.493**
93	zMissRate HappyCalm	.356**	.422**	.189	.106	.202*	.300**	.449**	.140	.377**	.073	.199	.461**	.173
94	zMissRate Happy Distractor	.567**	.223*	.275**	.659**	.518**	.594**	.390**	.179	.387**	.371**	.354**	.168	.708**
95	zMissRate HappyFear	.264**	.280**	-.009	.038	.044	.179	.363**	.090	.283**	-.041	.099	.345**	.082
96	zMissRate Happy Target	.316**	.376**	.125	.056	.136	.267**	.437**	.154	.356**	.024	.170	.386**	.117
97	zMissRate NonEmotional Distractor	.497**	.717**	.255*	.185	.307**	.415**	.667**	.667**	.382**	.237*	.644**	.197	.328**
98	zMissRate NonEmotional Target	.680**	.268**	.650**	.561**	.760**	.726**	.324**	.206*	.707**	.254*	.280**	.196	.559**
99	zRT AllRuns Hits	.485**	.516**	.394**	.268**	.423**	.483**	.522**	.459**	.447**	.332**	.481**	.263**	.380**
100	zRT Calm Distractor Hits	.409**	.512**	.306**	.199*	.325**	.393**	.497**	.458**	.369**	.266**	.450**	.252*	.303**
101	zRT Calm Target Hits	.579**	.494**	.493**	.329**	.527**	.557**	.507**	.460**	.509**	.379**	.481**	.277**	.436**
102	zRT Emotional Distractor Hits	.542**	.509**	.435**	.300**	.468**	.522**	.525**	.467**	.484**	.357**	.487**	.266**	.414**
103	zRT Emotional Target Hits	.431**	.506**	.329**	.220*	.357**	.427**	.512**	.447**	.397**	.295**	.463**	.249*	.333**
104	zRT Fear Distractor Hits	.532**	.515**	.430**	.263**	.453**	.505**	.523**	.471**	.464**	.363**	.503**	.258*	.396**
105	zRT Fear Target Hits	.480**	.538**	.323**	.261**	.382**	.471**	.584**	.455**	.427**	.334**	.494**	.264**	.375**
106	zRT Happy Distractor Hits	.535**	.488**	.421**	.330**	.468**	.520**	.507**	.447**	.479**	.336**	.455**	.265**	.420**
107	zRT Happy Target Hits	.417**	.489**	.322**	.179	.326**	.388**	.484**	.433**	.376**	.251*	.429**	.249*	.290**
108	zRT Hits Calm	.494**	.519**	.409**	.276**	.435**	.488**	.517**	.466**	.449**	.334**	.481**	.270**	.384**
109	ZRT Hits CalmFear	.579**	.498**	.478**	.269**	.486**	.531**	.544**	.461**	.461**	.416**	.523**	.246*	.410**
110	ZRT Hits CalmHappy	.555**	.467**	.460**	.388**	.515**	.531**	.462**	.431**	.508**	.284**	.401**	.268**	.425**
111	zRT Hits Fear	.484**	.520**	.379**	.260**	.418**	.485**	.539**	.464**	.438**	.358**	.506**	.252*	.386**
112	ZRT Hits FearCalm	.466**	.559**	.281**	.263**	.351**	.444**	.582**	.486**	.400**	.305**	.491**	.262**	.359**
113	ZRT Hits FearHappy	.493**	.481**	.344**	.251*	.389**	.470**	.553**	.421**	.428**	.342**	.468**	.238*	.371**
114	zRT Hits Happy	.468**	.515**	.367**	.265**	.400**	.464**	.517**	.452**	.437**	.304**	.463**	.266**	.367**

		1	2	3	4	5	6	7	8	9	10	11	12	13
115	ZRT Hits HappyCalm	.378**	.461**	.323**	.136	.290**	.340**	.434**	.414**	.363**	.187	.376**	.252*	.225*
116	ZRT Hits HappyFear	.477**	.509**	.357**	.236*	.380**	.449**	.502**	.443**	.474**	.274**	.445**	.264**	.348**
117	zRT Hits	.485**	.516**	.394**	.268**	.423**	.483**	.522**	.459**	.447**	.332**	.481**	.263**	.380**
118	zRT Nonemotional Distractor Hits	.409**	.512**	.306**	.199*	.325**	.393**	.497**	.458**	.369**	.266**	.450**	.252*	.303**
119	zRT Nonemotional Target Hits	.579**	.494**	.493**	.329**	.527**	.557**	.507**	.460**	.509**	.379**	.481**	.277**	.436**
120	Zero Complement Presented Framing Index	.190	.163	.167	.132	.142	.134	.109	.055	.215*	-.051	-.006	.227*	.044
121	Zero Complement Presented Gain Lives Risky Choices	.019	-.042	.146	.012	.064	.075	.020	.000	.063	.137	.107	-.129	.061
122	Zero Complement Presented Gain Lives Signed Confidence	.002	-.019	.117	.013	.049	.042	.013	.038	.011	.126	.119	-.138	.053
123	Zero Complement Presented Gain Risky Choices	.014	-.044	.110	-.010	.056	.057	.012	.047	.041	.102	.089	-.142	.047
124	Zero Complement Presented Gain Money Risky Choices	.005	-.033	.042	-.028	.032	.023	.001	.079	.008	.038	.046	-.112	.019
125	Zero Complement Presented Gain Money Signed Confidence	.027	-.024	.060	.002	.060	.041	.005	.087	.019	.037	.048	-.117	.036
126	Zero Complement Presented Gain Signed Confidence	.017	-.025	.101	.008	.063	.048	.010	.074	.017	.092	.095	-.147	.051
127	Zero Complement Presented Lives Framing Index	.190	.163	.167	.132	.142	.134	.109	.055	.215*	-.051	-.006	.227*	.044
128	Zero Complement Presented Lives Signed Confidence Framing Index	.152	.100	.149	.093	.101	.098	.066	.002	.184	-.049	-.035	.212*	.023
129	Zero Complement Presented Loss Lives Risky Choices	.119	.150	.156	-.033	.034	.041	.113	.067	.185	-.031	.033	.166	-.063
130	Zero Complement Presented Loss Lives Signed Confidence	.072	.082	.118	-.060	-.004	-.008	.056	.005	.105	-.041	-.006	.151	-.079
131	Zero Complement Presented Loss Risky Choices	.188	.170	.217*	.044	.123	.118	.135	.116	.246*	-.028	.042	.175	-.001
132	Zero Complement Presented Loss Money Risky Choices	.218*	.150	.229*	.119	.192	.174	.124	.142	.250*	-.017	.041	.139	.068
133	Zero Complement Presented Loss Money Signed Confidence	.202*	.089	.234*	.110	.179	.157	.081	.094	.232*	-.017	.011	.120	.065
134	Zero Complement Presented Loss Signed Confidence	.154	.097	.199	.029	.099	.084	.077	.056	.191	-.032	.003	.152	-.008

	1	2	3	4	5	6	7	8	9	10	11	12	13
135 Zero Complement Presented Money Framing Index	.190	.163	.167	.132	.142	.134	.109	.055	.215*	-.051	-.006	.227*	.044
136 Zero Complement Presented Money Signed Confidence Framing Index	.152	.100	.149	.093	.101	.098	.066	.002	.184	-.049	-.035	.212*	.023
137 Zero Complement Presented Signed Confidence Framing Index	.152	.100	.149	.093	.101	.098	.066	.002	.184	-.049	-.035	.212*	.023
138 Framing Index	-.063	-.007	-.001	-.111	-.074	-.143	-.141	-.013	-.041	-.225*	-.175	.067	-.181
139 Gain Lives Risky Choices	.069	.087	.156	.001	.070	.090	.117	.055	.107	.151	.152	.023	.046
140 Gain Lives Signed Confidence	.040	.076	.122	-.008	.041	.056	.095	.057	.062	.138	.145	-.005	.033
141 Gain Risky Choices	.141	.093	.167	.058	.128	.149	.138	.095	.163	.142	.139	.036	.099
142 Gain Money Risky Choices	.168	.070	.126	.097	.147	.162	.116	.105	.169	.089	.083	.039	.121
143 Gain Money Signed Confidence	.191	.083	.140	.117	.171	.182	.119	.117	.194	.084	.084	.047	.130
144 Gain Signed Confidence	.145	.094	.156	.072	.132	.147	.127	.106	.158	.128	.132	.027	.101
145 Both Complements Presented Framing Index	-.136	-.089	-.035	-.127	-.073	-.150	-.183	-.037	-.115	-.157	-.154	-.028	-.140
146 Both Complements Presented Gain Lives Risky Choices	.046	.066	.088	-.039	.007	.047	.112	.033	.049	.178	.151	.019	.030
147 Both Complements Presented Gain Lives Signed Confidence	.038	.056	.076	-.015	.010	.043	.097	.040	.032	.174	.154	-.012	.043
148 Both Complements Presented Gain Risky Choices	.145	.092	.125	.052	.093	.128	.139	.079	.130	.151	.141	.037	.086
149 Both Complements Presented Gain Money Risky Choices	.202*	.088	.121	.133	.155	.172	.120	.102	.177	.070	.081	.044	.118
150 Both Complements Presented Gain Money Signed Confidence	.211*	.097	.125	.154	.171	.179	.113	.123	.189	.048	.078	.033	.123
151 Both Complements Presented Gain Signed Confidence	.148	.090	.119	.082	.106	.131	.124	.097	.129	.131	.137	.012	.098
152 Both Complements Presented Lives Framing Index	-.085	-.121	-.062	-.033	-.041	-.123	-.217*	-.089	-.105	-.220*	-.237*	.008	-.129
153 Both Complements Presented Lives Signed Confidence Framing Index	-.047	-.153	.043	-.032	.012	-.087	-.220*	-.128	-.083	-.150	-.214*	.022	-.097
154 Both Complements Presented Loss Lives Risky Choices	-.031	-.040	.034	-.065	-.028	-.060	-.078	-.044	-.042	-.010	-.057	.025	-.081
155 Both Complements Presented Loss Lives Signed Confidence	-.005	-.073	.102	-.040	.019	-.032	-.090	-.068	-.038	.041	-.033	.007	-.039

		1	2	3	4	5	6	7	8	9	10	11	12	13
156	Both Complements Presented Loss Risky Choices	.004	-.012	.077	-.069	.015	-.015	-.039	.023	.013	.014	-.010	.002	-.041
157	Both Complements Presented Loss Money Risky Choices	.056	.059	.111	-.038	.067	.039	.029	.122	.076	.021	.053	-.006	.011
158	Both Complements Presented Loss Money Signed Confidence	.067	.045	.118	-.028	.069	.033	.010	.115	.067	.026	.042	.007	.008
159	Both Complements Presented Loss Signed Confidence	.028	-.031	.122	-.044	.046	-.002	-.053	.012	.012	.043	.000	.003	-.018
160	Both Complements Presented Money Framing Index	-.118	.023	.018	-.155	-.064	-.122	-.067	.078	-.075	-.062	-.006	-.032	-.105
161	Both Complements Presented Money Signed Confidence Framing Index	-.125	.000	.015	-.169	-.087	-.145	-.083	.048	-.108	-.040	-.018	-.004	-.120
162	Both Complements Presented Signed Confidence Framing Index	-.117	-.116	.028	-.137	-.055	-.147	-.195	-.073	-.123	-.107	-.147	.000	-.133
163	Money Framing Index	-.055	.071	.048	-.106	-.044	-.098	-.045	.052	-.018	-.148	-.054	.054	-.140
164	Money Risky Choices	.152	.108	.156	.053	.136	.126	.102	.135	.171	.025	.063	.067	.063
165	Money Signed Confidence Framing Index	-.099	.001	.012	-.126	-.091	-.145	-.095	-.004	-.092	-.129	-.075	.024	-.148
166	Money Signed Confidence	.171	.096	.167	.075	.153	.140	.092	.132	.179	.035	.061	.066	.078
167	Nonzero Complement Presented Framing Index	-.171	-.098	-.110	-.174	-.173	-.239*	-.219*	-.032	-.193	-.213*	-.159	-.115	-.219*
168	Nonzero Complement Presented Gain Lives Risky Choices	.107	.186	.168	.032	.110	.108	.156	.103	.160	.071	.125	.151	.029
169	Nonzero Complement Presented Gain Lives Signed Confidence	.061	.151	.127	-.015	.049	.060	.128	.069	.115	.060	.102	.123	-.009
170	Nonzero Complement Presented Gain Risky Choices	.201*	.186	.202*	.105	.183	.199*	.201*	.121	.250*	.117	.130	.186	.123
171	Nonzero Complement Presented Gain Money Risky Choices	.223*	.121	.165	.141	.191	.221*	.175	.097	.251*	.123	.089	.156	.174
172	Nonzero Complement Presented Gain Money Signed Confidence	.233*	.123	.167	.137	.199*	.228*	.167	.100	.263**	.118	.089	.155	.162
173	Nonzero Complement Presented Gain Signed Confidence	.199*	.163	.184	.092	.168	.195	.184	.107	.247*	.115	.114	.172	.113
174	Nonzero Complement Presented Lives Framing Index	-.101	-.138	-.107	-.085	-.122	-.171	-.217*	-.051	-.148	-.121	-.155	-.114	-.119

		1	2	3	4	5	6	7	8	9	10	11	12	13
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.069	-.140	-.097	-.059	-.099	-.143	-.198	-.037	-.156	-.068	-.123	-.113	-.068
176	Nonzero Complement Presented Loss Lives Risky Choices	-.001	.010	.069	-.041	-.002	-.058	-.092	.024	.017	-.071	-.065	.017	-.081
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.005	-.014	.055	-.053	-.025	-.066	-.093	.011	-.020	-.029	-.053	.002	-.063
178	Nonzero Complement Presented Loss Risky Choices	.020	.056	.100	-.053	.019	-.033	-.043	.059	.056	-.099	-.055	.055	-.085
179	Nonzero Complement Presented Loss Money Risky Choices	.032	.103	.088	-.065	.020	-.007	.036	.092	.070	-.094	-.013	.085	-.072
180	Nonzero Complement Presented Loss Money Signed Confidence	.050	.093	.099	-.043	.037	.001	.023	.105	.055	-.069	.004	.070	-.047
181	Nonzero Complement Presented Loss Signed Confidence	.029	.038	.101	-.048	.018	-.030	-.049	.060	.031	-.063	-.039	.040	-.059
182	Nonzero Complement Presented Money Framing Index	-.185	-.011	-.072	-.206*	-.166	-.224*	-.134	.002	-.173	-.227*	-.101	-.065	-.246*
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.210*	-.057	-.103	-.182	-.184	-.245*	-.162	-.022	-.238*	-.187	-.093	-.110	-.212*
184	Nonzero Complement Presented Signed Confidence Framing Index	-.181	-.110	-.135	-.161	-.186	-.249*	-.210*	-.031	-.252*	-.158	-.120	-.138	-.183

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		14	15	16	17	18	19	20	21	22	23	24	25	26
1	Criterion	.581**	.643**	.717**	.867**	.005	.184	.043	-.063	-.068	.031	.341**	.134	.237*
2	Criterion Calm Distractor	.557**	.706**	1.000**	.453**	.204*	.223*	.148	.070	.099	.191	.307**	.183	.349**
3	Criterion CalmFear	.210*	.284**	.343**	.817**	-.070	.058	-.023	-.018	-.082	-.063	.197	.095	-.016
4	Criterion CalmHappy	.315**	.336**	.345**	.789**	.023	.164	.108	.046	.027	.029	.241*	.074	.244*
5	Criterion Calm Target	.348**	.400**	.453**	1.000**	-.025	.125	.004	.035	-.041	-.017	.270**	.095	.120
6	Criterion Emotional Distractor	.572**	.586**	.547**	.922**	-.022	.090	.010	-.039	-.077	.038	.306**	.024	.234*
7	Criterion Emotional Target	.719**	.748**	.857**	.528**	.158	.118	.170	.008	.097	.243*	.271**	.044	.418**
8	Criterion FearCalm	.287**	.276**	.822**	.384**	.143	.061	.150	.086	.115	.128	.116	.254*	.201*
9	Criterion Fear Distractor	.629**	.669**	.533**	.782**	-.046	.121	-.089	-.082	-.156	-.021	.342**	.089	.154
10	Criterion FearHappy	.258*	.229*	.319**	.453**	.166	.054	.185	.030	.118	.245*	.208*	-.016	.262**
11	Criterion Fear Target	.356**	.339**	.729**	.479**	.131	-.007	.203*	.029	.109	.215*	.141	.047	.300**
12	Criterion HappyCalm	.532**	.825**	.636**	.318**	.262**	.505**	.102	.040	.058	.150	.466**	.191	.287**
13	Criterion Happy Distractor	.400**	.416**	.443**	.768**	.042	.084	.163	-.028	.005	.098	.242*	-.014	.320**
14	Criterion HappyFear	1	.862**	.557**	.348**	.203*	.067	.057	.049	.111	.307**	.313**	.000	.474**
15	Criterion Happy Target	.862**	1	.706**	.400**	.149	.297**	.057	-.044	-.033	.130	.401**	.110	.403**
16	Criterion NonEmotional Distractor	.557**	.706**	1	.453**	.204*	.223*	.148	.070	.099	.191	.307**	.183	.349**
17	Criterion NonEmotional Target	.348**	.400**	.453**	1	-.025	.125	.004	.035	-.041	-.017	.270**	.095	.120
18	DPrime	.203*	.149	.204*	-.025	1	.363**	.496**	.666**	.800**	.889**	.594**	.290**	.627**
19	DPrime Calm Distractor	.067	.297**	.223*	.125	.363**	1	.181	.007	.043	-.015	.672**	.753**	.103
20	DPrime CalmFear	.057	.057	.148	.004	.496**	.181	1	.076	.487**	.411**	.195	.187	.717**
21	DPrime CalmHappy	.049	-.044	.070	.035	.666**	.007	.076	1	.834**	.708**	.055	-.042	.136
22	DPrime Calm Target	.111	-.033	.099	-.041	.800**	.043	.487**	.834**	1	.865**	.098	.025	.499**
23	DPrime Emotional Distractor	.307**	.130	.191	-.017	.889**	-.015	.411**	.708**	.865**	1	.371**	-.052	.692**
24	DPrime Emotional Target	.313**	.401**	.307**	.270**	.594**	.672**	.195	.055	.098	.371**	1	.505**	.490**
25	DPrime FearCalm	.000	.110	.183	.095	.290**	.753**	.187	-.042	.025	-.052	.505**	1	.004
26	DPrime Fear Distractor	.474**	.403**	.349**	.120	.627**	.103	.717**	.136	.499**	.692**	.490**	.004	1
27	DPrime FearHappy	.127	.102	.205*	.220*	.477**	-.024	.211*	.136	.190	.512**	.555**	-.003	.367**
28	DPrime Fear Target	.108	.173	.224*	.198	.520**	.560**	.228*	.049	.115	.304**	.812**	.698**	.252*

		14	15	16	17	18	19	20	21	22	23	24	25	26
29	DPrime HappyCalm	.167	.427**	.307**	.160	.384**	.727**	.164	.124	.097	.125	.567**	.201*	.222*
30	DPrime Happy Distractor	.160	.042	.153	.082	.781**	-.011	.105	.800**	.750**	.864**	.345**	-.025	.291**
31	DPrime HappyFear	.550**	.437**	.316**	.326**	.374**	.024	.028	.116	.100	.433**	.525**	-.081	.632**
32	DPrime Happy Target	.404**	.525**	.404**	.309**	.397**	.513**	.140	.026	.001	.242*	.757**	.105	.572**
33	DPrime NonEmotional Distractor	.067	.297**	.223*	.125	.363**	1.000**	.181	.007	.043	-.015	.672**	.753**	.103
34	DPrime NonEmotional Target	.111	-.033	.099	-.041	.800**	.043	.487**	.834**	1.000**	.865**	.098	.025	.499**
35	zCorrectRejectionRate Calm Distractor	.430**	.665**	.830**	.389**	.351**	.729**	.208*	.053	.094	.125	.600**	.567**	.304**
36	zCorrectRejectionRate CalmFear	.204*	.265**	.368**	.664**	.243*	.156	.586**	.032	.228*	.197	.278**	.190	.421**
37	zCorrectRejectionRate CalmHappy	.247*	.195	.282**	.556**	.488**	.116	.126	.741**	.610**	.522**	.201*	.020	.261**
38	zCorrectRejectionRate Calm Target	.341**	.283**	.413**	.736**	.523**	.124	.334**	.592**	.646**	.573**	.273**	.089	.404**
39	zCorrectRejectionRate Emotional Distractor	.622**	.518**	.529**	.674**	.554**	.057	.276**	.425**	.498**	.670**	.466**	-.016	.596**
40	zCorrectRejectionRate Emotional Target	.686**	.752**	.783**	.524**	.421**	.432**	.228*	.034	.121	.368**	.712**	.305**	.555**
41	zCorrectRejectionRate FearCalm	.199	.254*	.675**	.321**	.262**	.466**	.210*	.036	.094	.060	.364**	.736**	.142
42	zCorrectRejectionRate Fear Distractor	.736**	.728**	.595**	.664**	.300**	.147	.326**	.010	.147	.354**	.524**	.071	.653**
43	zCorrectRejectionRate FearHappy	.230*	.198	.312**	.401**	.376**	.019	.234*	.097	.181	.444**	.446**	-.012	.371**
44	zCorrectRejectionRate Fear Target	.326**	.348**	.668**	.466**	.381**	.299**	.278**	.049	.144	.326**	.547**	.417**	.361**
45	zCorrectRejectionRate HappyCalm	.389**	.694**	.523**	.265**	.354**	.675**	.144	.089	.085	.151	.567**	.212*	.281**
46	zCorrectRejectionRate Happy Distractor	.390**	.322**	.415**	.597**	.550**	.052	.185	.513**	.504**	.645**	.401**	-.027	.417**
47	zCorrectRejectionRate HappyFear	.887**	.744**	.500**	.383**	.325**	.052	.047	.093	.120	.418**	.473**	-.046	.626**
48	zCorrectRejectionRate Happy Target	.740**	.889**	.646**	.409**	.304**	.456**	.111	-.012	-.019	.209*	.650**	.122	.554**
49	zCorrectRejectionRate NonEmotional Distractor	.430**	.665**	.830**	.389**	.351**	.729**	.208*	.053	.094	.125	.600**	.567**	.304**
50	zCorrectRejectionRate NonEmotional Target	.341**	.283**	.413**	.736**	.523**	.124	.334**	.592**	.646**	.573**	.273**	.089	.404**
51	zFalseAlarmRate Calm Distractor	-.430**	-.665**	-.830**	-.389**	-.351**	-.729**	-.208*	-.053	-.094	-.125	-.600**	-.567**	-.304**
52	zFalseAlarmRate CalmFear	-.180	-.243*	-.353**	-.656**	-.245*	-.154	-.573**	-.051	-.229*	-.195	-.278**	-.188	-.405**
53	zFalseAlarmRate CalmHappy	-.256*	-.203*	-.278**	-.548**	-.497**	-.121	-.123	-.745**	-.614**	-.529**	-.210*	-.021	-.268**
54	zFalseAlarmRate Calm Target	-.341**	-.283**	-.413**	-.736**	-.523**	-.124	-.334**	-.592**	-.646**	-.573**	-.273**	-.089	-.404**
55	zFalseAlarmRate Emotional Distractor	-.622**	-.518**	-.529**	-.674**	-.554**	-.057	-.276**	-.425**	-.498**	-.670**	-.466**	.016	-.596**
56	zFalseAlarmRate Emotional Target	-.686**	-.752**	-.783**	-.524**	-.421**	-.432**	-.228*	-.034	-.121	-.368**	-.712**	-.305**	-.555**

		14	15	16	17	18	19	20	21	22	23	24	25	26
57	zFalseAlarmRate FearCalm	-.217*	-.271**	-.677**	-.342**	-.242*	-.445**	-.199	-.026	-.080	-.051	-.350**	-.705**	-.145
58	zFalseAlarmRate Fear Distractor	-.736**	-.728**	-.595**	-.664**	-.300**	-.147	-.326**	-.010	-.147	-.354**	-.524**	-.071	-.653**
59	zFalseAlarmRate FearHappy	-.258*	-.221*	-.312**	-.428**	-.385**	-.030	-.224*	-.102	-.176	-.441**	-.469**	.004	-.376**
60	zFalseAlarmRate Fear Target	-.326**	-.348**	-.668**	-.466**	-.381**	-.299**	-.278**	-.049	-.144	-.326**	-.547**	-.417**	-.361**
61	zFalseAlarmRate HappyCalm	-.404**	-.694**	-.536**	-.286**	-.337**	-.646**	-.146	-.081	-.082	-.157	-.558**	-.196	-.291**
62	zFalseAlarmRate Happy Distractor	-.390**	-.322**	-.415**	-.597**	-.550**	-.052	-.185	-.513**	-.504**	-.645**	-.401**	.027	-.417**
63	zFalseAlarmRate HappyFear	-.872**	-.733**	-.506**	-.373**	-.334**	-.050	-.035	-.098	-.117	-.424**	-.481**	.048	-.606**
64	zFalseAlarmRate Happy Target	-.740**	-.889**	-.646**	-.409**	-.304**	-.456**	-.111	.012	.019	-.209*	-.650**	-.122	-.554**
65	zFalseAlarmRate NonEmotional Distractor	-.430**	-.665**	-.830**	-.389**	-.351**	-.729**	-.208*	-.053	-.094	-.125	-.600**	-.567**	-.304**
66	zFalseAlarmRate NonEmotional Target	-.341**	-.283**	-.413**	-.736**	-.523**	-.124	-.334**	-.592**	-.646**	-.573**	-.273**	-.089	-.404**
67	zHitRate Calm Distractor	-.441**	-.407**	-.717**	-.307**	.081	.519**	.004	-.057	-.056	-.178	.212*	.393**	-.233*
68	zHitRate CalmFear	-.135	-.198	-.186	-.652**	.363**	.062	.610**	.064	.415**	.325**	-.042	.036	.440**
69	zHitRate CalmHappy	-.187	-.274**	-.195	-.560**	.482**	-.112	-.019	.711**	.601**	.509**	-.131	-.085	-.081
70	zHitRate Calm Target	-.183	-.315**	-.268**	-.760**	.539**	-.064	.314**	.517**	.680**	.575**	-.135	-.054	.205*
71	zHitRate Emotional Distractor	-.237*	-.365**	-.295**	-.722**	.610**	-.079	.266**	.501**	.636**	.637**	.011	-.053	.250*
72	zHitRate Emotional Target	-.472**	-.441**	-.607**	-.320**	.248*	.338**	-.022	.029	-.026	.017	.411**	.307**	-.070
73	zHitRate FearCalm	-.255*	-.162	-.604**	-.271**	.077	.495**	-.009	-.108	-.088	-.153	.264**	.489**	-.184
74	zHitRate Fear Distractor	-.265**	-.344**	-.257*	-.619**	.428**	-.044	.522**	.157	.447**	.446**	.000	-.075	.482**
75	zHitRate FearHappy	-.131	-.127	-.119	-.234*	.275**	-.074	.014	.095	.060	.231*	.305**	.013	.084
76	zHitRate Fear Target	-.246*	-.189	-.502**	-.297**	.220*	.368**	-.032	.006	-.023	.006	.399**	.406**	-.103
77	zHitRate HappyCalm	-.457**	-.512**	-.422**	-.202*	.130	.237*	.082	.097	.043	-.039	.093	.012	-.096
78	zHitRate Happy Distractor	-.186	-.282**	-.223*	-.518**	.521**	-.071	-.047	.587**	.526**	.538**	.063	-.008	-.048
79	zHitRate HappyFear	-.517**	-.497**	-.280**	-.044	.173	-.052	-.032	.078	-.017	.135	.207*	-.096	.135
80	zHitRate Happy Target	-.544**	-.577**	-.376**	-.136	.220*	.172	.080	.072	.036	.092	.293**	-.013	.101
81	zHitRate NonEmotional Distractor	-.441**	-.407**	-.717**	-.307**	.081	.519**	.004	-.057	-.056	-.178	.212*	.393**	-.233*
82	zHitRate NonEmotional Target	-.183	-.315**	-.268**	-.760**	.539**	-.064	.314**	.517**	.680**	.575**	-.135	-.054	.205*
83	zMissRate Calm Distractor	.441**	.407**	.717**	.307**	-.081	-.519**	-.004	.057	.056	.178	-.212*	-.393**	.233*
84	zMissRate CalmFear	.135	.198	.186	.652**	-.363**	-.062	-.610**	-.064	-.415**	-.325**	.042	-.036	-.440**
85	zMissRate CalmHappy	.187	.274**	.195	.560**	-.482**	.112	.019	-.711**	-.601**	-.509**	.131	.085	.081

		14	15	16	17	18	19	20	21	22	23	24	25	26
86	zMissRate Calm Target	.183	.315**	.268**	.760**	-.539**	.064	-.314**	-.517**	-.680**	-.575**	.135	.054	-.205*
87	zMissRate Emotional Distractor	.237*	.365**	.295**	.722**	-.610**	.079	-.266**	-.501**	-.636**	-.637**	-.011	.053	-.250*
88	zMissRate Emotional Target	.472**	.441**	.607**	.320**	-.248*	-.338**	.022	-.029	.026	-.017	-.411**	-.307**	.070
89	zMissRate FearCalm	.255*	.162	.604**	.271**	-.077	-.495**	.009	.108	.088	.153	-.264**	-.489**	.184
90	zMissRate Fear Distractor	.265**	.344**	.257*	.619**	-.428**	.044	-.522**	-.157	-.447**	-.446**	.000	.075	-.482**
91	zMissRate FearHappy	.131	.127	.119	.234*	-.275**	.074	-.014	-.095	-.060	-.231*	-.305**	-.013	-.084
92	zMissRate Fear Target	.246*	.189	.502**	.297**	-.220*	-.368**	.032	-.006	.023	-.006	-.399**	-.406**	.103
93	zMissRate HappyCalm	.457**	.512**	.422**	.202*	-.130	-.237*	-.082	-.097	-.043	.039	-.093	-.012	.096
94	zMissRate Happy Distractor	.186	.282**	.223*	.518**	-.521**	.071	.047	-.587**	-.526**	-.538**	-.063	.008	.048
95	zMissRate HappyFear	.517**	.497**	.280**	.044	-.173	.052	.032	-.078	.017	-.135	-.207*	.096	-.135
96	zMissRate Happy Target	.544**	.577**	.376**	.136	-.220*	-.172	-.080	-.072	-.036	-.092	-.293**	.013	-.101
97	zMissRate NonEmotional Distractor	.441**	.407**	.717**	.307**	-.081	-.519**	-.004	.057	.056	.178	-.212*	-.393**	.233*
98	zMissRate NonEmotional Target	.183	.315**	.268**	.760**	-.539**	.064	-.314**	-.517**	-.680**	-.575**	.135	.054	-.205*
99	zRT AllRuns Hits	.379**	.392**	.516**	.423**	.198*	-.009	.037	.170	.159	.258*	.196	-.077	.225*
100	zRT Calm Distractor Hits	.373**	.376**	.512**	.325**	.227*	-.042	.053	.206*	.200*	.294**	.154	-.092	.238*
101	zRT Calm Target Hits	.347**	.380**	.494**	.527**	.158	.047	.016	.125	.104	.194	.237*	-.057	.193
102	zRT Emotional Distractor Hits	.377**	.397**	.509**	.468**	.182	.012	.029	.142	.129	.229*	.219*	-.063	.217*
103	zRT Emotional Target Hits	.388**	.386**	.506**	.357**	.220*	-.041	.044	.190	.186	.288**	.166	-.085	.234*
104	zRT Fear Distractor Hits	.355**	.388**	.515**	.453**	.162	-.023	.028	.124	.110	.220*	.198	-.084	.189
105	zRT Fear Target Hits	.447**	.422**	.538**	.382**	.223*	-.002	.052	.198	.192	.292**	.191	-.065	.260*
106	zRT Happy Distractor Hits	.380**	.398**	.488**	.468**	.180	.044	.028	.145	.129	.224*	.227*	-.044	.231*
107	zRT Happy Target Hits	.367**	.367**	.489**	.326**	.211*	-.085	.031	.182	.184	.286**	.133	-.108	.204*
108	zRT Hits Calm	.365**	.385**	.519**	.435**	.193	.003	.035	.173	.158	.250*	.198	-.080	.220*
109	ZRT Hits CalmFear	.311**	.342**	.498**	.486**	.126	.016	.021	.123	.091	.174	.193	-.088	.139
110	ZRT Hits CalmHappy	.347**	.385**	.467**	.515**	.146	.081	.046	.110	.093	.163	.254*	-.018	.231*
111	zRT Hits Fear	.388**	.390**	.520**	.418**	.205*	-.019	.041	.178	.168	.270**	.190	-.080	.227*
112	ZRT Hits FearCalm	.449**	.426**	.559**	.351**	.246*	-.011	.090	.214*	.214*	.308**	.191	-.072	.294**
113	ZRT Hits FearHappy	.421**	.391**	.481**	.389**	.204*	.002	.036	.175	.169	.264**	.181	-.048	.227*
114	zRT Hits Happy	.391**	.402**	.515**	.400**	.205*	-.011	.041	.172	.163	.265**	.195	-.074	.239*

		14	15	16	17	18	19	20	21	22	23	24	25	26
115	ZRT Hits HappyCalm	.329**	.339**	.461**	.290**	.184	-.049	.002	.172	.161	.242*	.112	-.084	.156
116	ZRT Hits HappyFear	.394**	.426**	.509**	.380**	.189	-.052	.039	.126	.130	.268**	.206*	-.078	.227*
117	zRT Hits	.379**	.392**	.516**	.423**	.198*	-.009	.037	.170	.159	.258*	.196	-.077	.225*
118	zRT Nonemotional Distractor Hits	.373**	.376**	.512**	.325**	.227*	-.042	.053	.206*	.200*	.294**	.154	-.092	.238*
119	zRT Nonemotional Target Hits	.347**	.380**	.494**	.527**	.158	.047	.016	.125	.104	.194	.237*	-.057	.193
120	Zero Complement Presented Framing Index	.196	.208*	.163	.142	-.040	.190	.033	-.025	.007	-.040	.086	.053	.046
121	Zero Complement Presented Gain Lives Risky Choices	-.099	-.109	-.042	.064	-.001	-.071	-.091	.009	-.040	.026	.026	-.069	-.054
122	Zero Complement Presented Gain Lives Signed Confidence	-.143	-.137	-.019	.049	-.036	-.071	-.109	-.009	-.055	-.010	-.013	-.028	-.096
123	Zero Complement Presented Gain Risky Choices	-.078	-.099	-.044	.056	.029	-.096	-.111	-.015	-.051	.042	.042	-.021	-.046
124	Zero Complement Presented Gain Money Risky Choices	-.034	-.060	-.033	.032	.049	-.093	-.097	-.033	-.047	.046	.045	.032	-.025
125	Zero Complement Presented Gain Money Signed Confidence	-.025	-.057	-.024	.060	.032	-.071	-.108	-.058	-.069	.026	.060	.064	-.030
126	Zero Complement Presented Gain Signed Confidence	-.094	-.110	-.025	.063	.000	-.082	-.126	-.040	-.072	.010	.030	.023	-.071
127	Zero Complement Presented Lives Framing Index	.196	.208*	.163	.142	-.040	.190	.033	-.025	.007	-.040	.086	.053	.046
128	Zero Complement Presented Lives Signed Confidence Framing Index	.142	.164	.100	.101	-.047	.157	.051	-.028	.006	-.048	.050	.012	.026
129	Zero Complement Presented Loss Lives Risky Choices	.074	.159	.150	.034	-.099	.105	-.071	-.103	-.086	-.109	.001	.044	-.064
130	Zero Complement Presented Loss Lives Signed Confidence	-.004	.088	.082	-.004	-.117	.079	-.111	-.101	-.100	-.127	-.048	-.010	-.128
131	Zero Complement Presented Loss Risky Choices	.143	.187	.170	.123	-.056	.126	-.076	-.095	-.074	-.064	.077	.075	-.024
132	Zero Complement Presented Loss Money Risky Choices	.184	.171	.150	.192	.007	.117	-.063	-.062	-.041	.003	.143	.091	.026
133	Zero Complement Presented Loss Money Signed Confidence	.136	.127	.089	.179	-.020	.105	-.056	-.094	-.066	-.027	.122	.081	-.002
134	Zero Complement Presented Loss Signed Confidence	.075	.122	.097	.099	-.077	.104	-.094	-.110	-.094	-.087	.042	.040	-.073

		14	15	16	17	18	19	20	21	22	23	24	25	26
135	Zero Complement Presented Money Framing Index	.196	.208*	.163	.142	-.040	.190	.033	-.025	.007	-.040	.086	.053	.046
136	Zero Complement Presented Money Signed Confidence Framing Index	.142	.164	.100	.101	-.047	.157	.051	-.028	.006	-.048	.050	.012	.026
137	Zero Complement Presented Signed Confidence Framing Index	.142	.164	.100	.101	-.047	.157	.051	-.028	.006	-.048	.050	.012	.026
138	Framing Index	-.072	.018	-.007	-.074	-.125	.082	.003	-.144	-.114	-.175	-.074	.006	-.057
139	Gain Lives Risky Choices	-.038	-.002	.087	.070	-.002	-.028	-.172	.076	-.008	.030	.002	-.034	-.121
140	Gain Lives Signed Confidence	-.072	-.040	.076	.041	-.040	-.037	-.170	.037	-.034	-.004	-.021	-.028	-.136
141	Gain Risky Choices	.056	.058	.093	.128	.030	.005	-.131	-.013	-.057	.035	.111	.031	-.033
142	Gain Money Risky Choices	.132	.099	.070	.147	.053	.037	-.050	-.098	-.088	.029	.185	.085	.064
143	Gain Money Signed Confidence	.137	.104	.083	.171	.034	.069	-.094	-.107	-.119	.000	.214*	.119	.040
144	Gain Signed Confidence	.050	.046	.094	.132	.001	.025	-.151	-.049	-.095	-.002	.127	.062	-.046
145	Both Complements Presented Framing Index	-.153	-.100	-.089	-.073	-.041	.037	.029	-.106	-.071	-.098	-.061	-.035	-.025
146	Both Complements Presented Gain Lives Risky Choices	-.052	-.022	.066	.007	-.010	-.057	-.168	.102	.016	.032	-.031	-.027	-.145
147	Both Complements Presented Gain Lives Signed Confidence	-.076	-.055	.056	.010	-.038	-.062	-.144	.073	-.001	.008	-.039	-.044	-.130
148	Both Complements Presented Gain Risky Choices	.054	.060	.092	.093	-.029	-.006	-.158	-.025	-.099	-.019	.087	.029	-.077
149	Both Complements Presented Gain Money Risky Choices	.150	.129	.088	.155	-.039	.051	-.092	-.155	-.191	-.067	.186	.080	.025
150	Both Complements Presented Gain Money Signed Confidence	.140	.119	.097	.171	-.053	.049	-.130	-.151	-.205*	-.084	.183	.087	-.002
151	Both Complements Presented Gain Signed Confidence	.038	.038	.090	.106	-.054	-.008	-.162	-.046	-.121	-.045	.085	.026	-.079
152	Both Complements Presented Lives Framing Index	-.104	-.012	-.121	-.041	-.112	.070	-.053	-.198	-.226*	-.196	.024	-.021	-.032
153	Both Complements Presented Lives Signed Confidence Framing Index	-.164	-.048	-.153	.012	-.129	.069	.015	-.186	-.184	-.215*	-.049	-.007	-.098
154	Both Complements Presented Loss Lives Risky Choices	-.138	-.031	-.040	-.028	-.107	.006	-.204*	-.072	-.177	-.137	-.009	-.044	-.167
155	Both Complements Presented Loss Lives Signed Confidence	-.202*	-.089	-.073	.019	-.143	.000	-.119	-.085	-.149	-.167	-.074	-.046	-.198

		14	15	16	17	18	19	20	21	22	23	24	25	26
156	Both Complements Presented Loss Risky Choices	-.087	-.039	-.012	.015	-.068	.016	-.126	-.117	-.156	-.106	.021	-.004	-.102
157	Both Complements Presented Loss Money Risky Choices	.000	-.020	.059	.067	.006	.042	.006	-.120	-.076	-.032	.057	.040	.018
158	Both Complements Presented Loss Money Signed Confidence	-.040	-.040	.045	.069	.002	.055	-.026	-.121	-.080	-.042	.059	.051	-.032
159	Both Complements Presented Loss Signed Confidence	-.144	-.080	-.031	.046	-.088	.024	-.091	-.121	-.138	-.126	-.014	.001	-.142
160	Both Complements Presented Money Framing Index	-.133	-.130	.023	-.064	.067	.020	.125	.032	.127	.050	-.107	-.030	.028
161	Both Complements Presented Money Signed Confidence Framing Index	-.173	-.148	.000	-.087	.083	.036	.139	.039	.153	.063	-.112	-.030	.005
162	Both Complements Presented Signed Confidence Framing Index	-.215*	-.132	-.116	-.055	-.039	.051	.084	-.093	-.025	-.098	-.107	-.026	-.073
163	Money Framing Index	-.033	-.005	.071	-.044	-.045	.028	.028	-.009	.032	-.033	-.123	-.060	-.027
164	Money Risky Choices	.125	.103	.108	.136	.035	.052	-.040	-.108	-.078	.016	.139	.062	.055
165	Money Signed Confidence Framing Index	-.119	-.072	.001	-.091	-.053	-.010	.072	-.012	.052	-.034	-.177	-.092	-.052
166	Money Signed Confidence	.100	.085	.096	.153	.014	.075	-.074	-.129	-.112	-.017	.161	.093	.021
167	Nonzero Complement Presented Framing Index	-.207*	-.123	-.098	-.173	-.138	-.069	-.039	-.109	-.128	-.162	-.152	-.062	-.101
168	Nonzero Complement Presented Gain Lives Risky Choices	.047	.115	.186	.110	.006	.052	-.173	.076	-.001	.018	.013	.005	-.100
169	Nonzero Complement Presented Gain Lives Signed Confidence	.024	.079	.151	.049	-.029	.034	-.186	.026	-.036	-.009	-.001	-.001	-.126
170	Nonzero Complement Presented Gain Risky Choices	.161	.179	.186	.183	.080	.109	-.075	.005	.002	.069	.157	.069	.036
171	Nonzero Complement Presented Gain Money Risky Choices	.219*	.180	.121	.191	.125	.127	.050	-.067	.004	.095	.246*	.109	.158
172	Nonzero Complement Presented Gain Money Signed Confidence	.206*	.173	.123	.199*	.088	.160	-.033	-.079	-.059	.041	.279**	.146	.106
173	Nonzero Complement Presented Gain Signed Confidence	.161	.164	.163	.168	.049	.132	-.115	-.044	-.060	.025	.201*	.105	.016
174	Nonzero Complement Presented Lives Framing Index	-.204*	-.115	-.138	-.122	-.110	.013	.013	-.150	-.152	-.181	-.018	.036	-.049

		14	15	16	17	18	19	20	21	22	23	24	25	26
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.197	-.126	-.140	-.099	-.088	-.026	.026	-.101	-.099	-.142	-.069	-.009	-.033
176	Nonzero Complement Presented Loss Lives Risky Choices	-.152	-.015	.010	-.002	-.103	.069	-.124	-.093	-.154	-.167	.013	.054	-.126
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.164	-.051	-.014	-.025	-.115	.022	-.131	-.087	-.137	-.155	-.044	.007	-.138
178	Nonzero Complement Presented Loss Risky Choices	-.049	.039	.056	.019	-.060	.044	-.090	-.106	-.121	-.097	.015	.017	-.058
179	Nonzero Complement Presented Loss Money Risky Choices	.082	.092	.103	.020	.007	-.007	-.030	-.084	-.043	.019	-.002	-.042	.035
180	Nonzero Complement Presented Loss Money Signed Confidence	.019	.044	.093	.037	-.023	.016	-.034	-.133	-.086	-.025	.016	-.002	.009
181	Nonzero Complement Presented Loss Signed Confidence	-.084	-.005	.038	.018	-.081	.028	-.094	-.130	-.132	-.109	-.008	.010	-.075
182	Nonzero Complement Presented Money Framing Index	-.129	-.081	-.011	-.166	-.115	-.133	-.083	-.022	-.049	-.074	-.243*	-.157	-.118
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.207*	-.150	-.057	-.184	-.113	-.159	.008	-.023	-.006	-.064	-.288**	-.163	-.107
184	Nonzero Complement Presented Signed Confidence Framing Index	-.246*	-.170	-.110	-.186	-.123	-.128	.017	-.064	-.053	-.116	-.240*	-.118	-.091

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		27	28	29	30	31	32	33	34	35	36	37	38	39
1	Criterion	.284**	.254*	.239*	.067	.361**	.396**	.184	-.068	.608**	.617**	.444**	.616**	.724**
2	Criterion Calm Distractor	.205*	.224*	.307**	.153	.316**	.404**	.223*	.099	.830**	.368**	.282**	.413**	.529**
3	Criterion CalmFear	.221*	.185	.082	.065	.213*	.180	.058	-.082	.270**	.796**	.253*	.568**	.503**
4	Criterion CalmHappy	.108	.126	.200*	-.019	.296**	.320**	.164	.027	.336**	.388**	.705**	.621**	.582**
5	Criterion Calm Target	.220*	.198	.160	.082	.326**	.309**	.125	-.041	.389**	.664**	.556**	.736**	.674**
6	Criterion Emotional Distractor	.295**	.198	.180	.082	.432**	.382**	.090	-.077	.435**	.600**	.482**	.652**	.767**
7	Criterion Emotional Target	.274**	.169	.244*	.171	.404**	.387**	.118	.097	.669**	.397**	.314**	.469**	.705**
8	Criterion FearCalm	.172	.183	.015	.120	.203*	.143	.061	.115	.603**	.345**	.257*	.372**	.387**
9	Criterion Fear Distractor	.198	.202*	.146	.023	.411**	.387**	.121	-.156	.444**	.626**	.261**	.533**	.629**
10	Criterion FearHappy	.427**	.215*	.160	.252*	.288**	.222*	.054	.118	.252*	.385**	.291**	.426**	.636**
11	Criterion Fear Target	.357**	.177	.071	.209*	.279**	.205*	-.007	.109	.507**	.400**	.284**	.440**	.608**
12	Criterion HappyCalm	.116	.270**	.653**	.113	.229*	.528**	.505**	.058	.736**	.245*	.215*	.282**	.406**
13	Criterion Happy Distractor	.291**	.156	.199*	.058	.343**	.347**	.084	.005	.359**	.448**	.560**	.590**	.709**
14	Criterion HappyFear	.127	.108	.167	.160	.550**	.404**	.067	.111	.430**	.204*	.247*	.341**	.622**
15	Criterion Happy Target	.102	.173	.427**	.042	.437**	.525**	.297**	-.033	.665**	.265**	.195	.283**	.518**
16	Criterion NonEmotional Distractor	.205*	.224*	.307**	.153	.316**	.404**	.223*	.099	.830**	.368**	.282**	.413**	.529**
17	Criterion NonEmotional Target	.220*	.198	.160	.082	.326**	.309**	.125	-.041	.389**	.664**	.556**	.736**	.674**
18	DPrime	.477**	.520**	.384**	.781**	.374**	.397**	.363**	.800**	.351**	.243*	.488**	.523**	.554**
19	DPrime Calm Distractor	-.024	.560**	.727**	-.011	.024	.513**	1.000**	.043	.729**	.156	.116	.124	.057
20	DPrime CalmFear	.211*	.228*	.164	.105	.028	.140	.181	.487**	.208*	.586**	.126	.334**	.276**
21	DPrime CalmHappy	.136	.049	.124	.800**	.116	.026	.007	.834**	.053	.032	.741**	.592**	.425**
22	DPrime Calm Target	.190	.115	.097	.750**	.100	.001	.043	1.000**	.094	.228*	.610**	.646**	.498**
23	DPrime Emotional Distractor	.512**	.304**	.125	.864**	.433**	.242*	-.015	.865**	.125	.197	.522**	.573**	.670**
24	DPrime Emotional Target	.555**	.812**	.567**	.345**	.525**	.757**	.672**	.098	.600**	.278**	.201*	.273**	.466**
25	DPrime FearCalm	-.003	.698**	.201*	-.025	-.081	.105	.753**	.025	.567**	.190	.020	.089	-.016
26	DPrime Fear Distractor	.367**	.252*	.222*	.291**	.632**	.572**	.103	.499**	.304**	.421**	.261**	.404**	.596**
27	DPrime FearHappy	1	.643**	.091	.591**	.298**	.263**	-.024	.190	.128	.307**	.169	.297**	.554**
28	DPrime Fear Target	.643**	1	.231*	.379**	.153	.293**	.560**	.115	.478**	.288**	.120	.229*	.342**

		27	28	29	30	31	32	33	34	35	36	37	38	39
29	DPrime HappyCalm	.091	.231*	1	.121	.188	.734**	.727**	.097	.632**	.166	.222*	.188	.214*
30	DPrime Happy Distractor	.591**	.379**	.121	1	.262**	.138	-.011	.750**	.102	.116	.555**	.570**	.615**
31	DPrime HappyFear	.298**	.153	.188	.262**	1	.704**	.024	.100	.235*	.189	.281**	.317**	.599**
32	DPrime Happy Target	.263**	.293**	.734**	.138	.704**	1	.513**	.001	.578**	.231*	.234*	.237*	.439**
33	DPrime NonEmotional Distractor	-.024	.560**	.727**	-.011	.024	.513**	1	.043	.729**	.156	.116	.124	.057
34	DPrime NonEmotional Target	.190	.115	.097	.750**	.100	.001	.043	1	.094	.228*	.610**	.646**	.498**
35	zCorrectRejectionRate Calm Distractor	.128	.478**	.632**	.102	.235*	.578**	.729**	.094	1	.345**	.264**	.361**	.404**
36	zCorrectRejectionRate CalmFear	.307**	.288**	.166	.116	.189	.231*	.156	.228*	.345**	1	.282**	.662**	.574**
37	zCorrectRejectionRate CalmHappy	.169	.120	.222*	.555**	.281**	.234*	.116	.610**	.264**	.282**	1	.837**	.693**
38	zCorrectRejectionRate Calm Target	.297**	.229*	.188	.570**	.317**	.237*	.124	.646**	.361**	.662**	.837**	1	.852**
39	zCorrectRejectionRate Emotional Distractor	.554**	.342**	.214*	.615**	.599**	.439**	.057	.498**	.404**	.574**	.693**	.852**	1
40	zCorrectRejectionRate Emotional Target	.497**	.541**	.469**	.302**	.565**	.672**	.432**	.121	.797**	.436**	.332**	.482**	.754**
41	zCorrectRejectionRate FearCalm	.118	.519**	.123	.069	.095	.159	.466**	.094	.738**	.347**	.190	.309**	.260**
42	zCorrectRejectionRate Fear Distractor	.354**	.290**	.231*	.173	.653**	.602**	.147	.147	.503**	.713**	.340**	.625**	.801**
43	zCorrectRejectionRate FearHappy	.836**	.501**	.150	.494**	.346**	.286**	.019	.181	.226*	.411**	.274**	.430**	.705**
44	zCorrectRejectionRate Fear Target	.620**	.676**	.179	.362**	.292**	.313**	.299**	.144	.640**	.458**	.278**	.454**	.641**
45	zCorrectRejectionRate HappyCalm	.112	.276**	.905**	.129	.230*	.691**	.675**	.085	.753**	.222*	.240*	.260**	.343**
46	zCorrectRejectionRate Happy Distractor	.602**	.363**	.221*	.708**	.418**	.337**	.052	.504**	.322**	.394**	.766**	.798**	.912**
47	zCorrectRejectionRate HappyFear	.238*	.148	.202*	.238*	.873**	.625**	.052	.120	.381**	.219*	.299**	.374**	.693**
48	zCorrectRejectionRate Happy Target	.205*	.263**	.654**	.100	.644**	.857**	.456**	-.019	.714**	.283**	.244*	.299**	.551**
49	zCorrectRejectionRate NonEmotional Distractor	.128	.478**	.632**	.102	.235*	.578**	.729**	.094	1.000**	.345**	.264**	.361**	.404**
50	zCorrectRejectionRate NonEmotional Target	.297**	.229*	.188	.570**	.317**	.237*	.124	.646**	.361**	.662**	.837**	1.000**	.852**
51	zFalseAlarmRate Calm Distractor	-.128	-.478**	-.632**	-.102	-.235*	-.578**	-.729**	-.094	-1.000*	-.345**	-.264**	-.361**	-.404**
52	zFalseAlarmRate CalmFear	-.311**	-.287**	-.165	-.127	-.182	-.230*	-.154	-.229*	-.334**	-.985**	-.294**	-.657**	-.561**
53	zFalseAlarmRate CalmHappy	-.163	-.122	-.231*	-.559**	-.296**	-.245*	-.121	-.614**	-.265**	-.277**	-.995**	-.834**	-.692**
54	zFalseAlarmRate Calm Target	-.297**	-.229*	-.188	-.570**	-.317**	-.237*	-.124	-.646**	-.361**	-.662**	-.837**	-1.000*	-.852**
55	zFalseAlarmRate Emotional Distractor	-.554**	-.342**	-.214*	-.615**	-.599**	-.439**	-.057	-.498**	-.404**	-.574**	-.693**	-.852**	-1.000*
56	zFalseAlarmRate Emotional Target	-.497**	-.541**	-.469**	-.302**	-.565**	-.672**	-.432**	-.121	-.797**	-.436**	-.332**	-.482**	-.754**

		27	28	29	30	31	32	33	34	35	36	37	38	39
57	zFalseAlarmRate FearCalm	-.102	-.494**	-.127	-.057	-.108	-.156	-.445**	-.080	-.728**	-.361**	-.197	-.315**	-.268**
58	zFalseAlarmRate Fear Distractor	-.354**	-.290**	-.231*	-.173	-.653**	-.602**	-.147	-.147	-.503**	-.713**	-.340**	-.625**	-.801**
59	zFalseAlarmRate FearHappy	-.817**	-.498**	-.170	-.487**	-.394**	-.321**	-.030	-.176	-.233*	-.418**	-.288**	-.446**	-.718**
60	zFalseAlarmRate Fear Target	-.620**	-.676**	-.179	-.362**	-.292**	-.313**	-.299**	-.144	-.640**	-.458**	-.278**	-.454**	-.641**
61	zFalseAlarmRate HappyCalm	-.126	-.269**	-.886**	-.132	-.244*	-.692**	-.646**	-.082	-.746**	-.259*	-.239*	-.274**	-.362**
62	zFalseAlarmRate Happy Distractor	-.602**	-.363**	-.221*	-.708**	-.418**	-.337**	-.052	-.504**	-.322**	-.394**	-.766**	-.798**	-.912**
63	zFalseAlarmRate HappyFear	-.274**	-.170	-.209*	-.261**	-.859**	-.615**	-.050	-.117	-.384**	-.213*	-.290**	-.364**	-.689**
64	zFalseAlarmRate Happy Target	-.205*	-.263**	-.654**	-.100	-.644**	-.857**	-.456**	.019	-.714**	-.283**	-.244*	-.299**	-.551**
65	zFalseAlarmRate NonEmotional Distractor	-.128	-.478**	-.632**	-.102	-.235*	-.578**	-.729**	-.094	-1.000*	-.345**	-.264**	-.361**	-.404**
66	zFalseAlarmRate NonEmotional Target	-.297**	-.229*	-.188	-.570**	-.317**	-.237*	-.124	-.646**	-.361**	-.662**	-.837**	-1.000*	-.852**
67	zHitRate Calm Distractor	-.195	.204*	.251*	-.142	-.260**	.013	.519**	-.056	-.206*	-.204*	-.165	-.273**	-.423**
68	zHitRate CalmFear	-.051	-.012	.033	.011	-.152	-.062	.062	.415**	-.092	-.285**	-.131	-.273**	-.247*
69	zHitRate CalmHappy	.026	-.053	-.049	.630**	-.123	-.211*	-.112	.601**	-.200	-.257*	.054	.002	-.097
70	zHitRate Calm Target	-.037	-.071	-.054	.428**	-.174	-.226*	-.064	.680**	-.224*	-.337**	-.011	-.120	-.170
71	zHitRate Emotional Distractor	.118	.050	-.056	.512**	-.044	-.133	-.079	.636**	-.252*	-.324**	-.024	-.121	-.146
72	zHitRate Emotional Target	.131	.382**	.148	.069	-.033	.139	.338**	-.026	-.233*	-.172	-.163	-.262**	-.357**
73	zHitRate FearCalm	-.158	.345**	.130	-.121	-.241*	-.055	.495**	-.088	-.124	-.174	-.217*	-.266**	-.356**
74	zHitRate Fear Distractor	.056	-.023	.008	.159	.027	.010	-.044	.447**	-.206*	-.282**	-.070	-.223*	-.189
75	zHitRate FearHappy	.500**	.379**	-.070	.296**	-.005	.027	-.074	.060	-.125	-.090	-.125	-.138	-.106
76	zHitRate Fear Target	.098	.488**	.086	.059	-.149	.007	.368**	-.023	-.142	-.167	-.175	-.242*	-.318**
77	zHitRate HappyCalm	-.033	-.060	.371**	.002	-.060	.213*	.237*	.043	-.162	-.104	-.003	-.125	-.249*
78	zHitRate Happy Distractor	.203*	.151	-.063	.663**	-.072	-.162	-.071	.526**	-.197	-.252*	-.027	-.039	-.097
79	zHitRate HappyFear	.200	.039	.011	.110	.430**	.302**	-.052	-.017	-.230*	-.013	.024	-.045	-.059
80	zHitRate Happy Target	.155	.094	.243*	.087	.203*	.392**	.172	.036	-.165	-.053	.014	-.079	-.139
81	zHitRate NonEmotional Distractor	-.195	.204*	.251*	-.142	-.260**	.013	.519**	-.056	-.206*	-.204*	-.165	-.273**	-.423**
82	zHitRate NonEmotional Target	-.037	-.071	-.054	.428**	-.174	-.226*	-.064	.680**	-.224*	-.337**	-.011	-.120	-.170
83	zMissRate Calm Distractor	.195	-.204*	-.251*	.142	.260**	-.013	-.519**	.056	.206*	.204*	.165	.273**	.423**
84	zMissRate CalmFear	.051	.012	-.033	-.011	.152	.062	-.062	-.415**	.092	.285**	.131	.273**	.247*
85	zMissRate CalmHappy	-.026	.053	.049	-.630**	.123	.211*	.112	-.601**	.200	.257*	-.054	-.002	.097

		27	28	29	30	31	32	33	34	35	36	37	38	39
86	zMissRate Calm Target	.037	.071	.054	-.428**	.174	.226*	.064	-.680**	.224*	.337**	.011	.120	.170
87	zMissRate Emotional Distractor	-.118	-.050	.056	-.512**	.044	.133	.079	-.636**	.252*	.324**	.024	.121	.146
88	zMissRate Emotional Target	-.131	-.382**	-.148	-.069	.033	-.139	-.338**	.026	.233*	.172	.163	.262**	.357**
89	zMissRate FearCalm	.158	-.345**	-.130	.121	.241*	.055	-.495**	.088	.124	.174	.217*	.266**	.356**
90	zMissRate Fear Distractor	-.056	.023	-.008	-.159	-.027	-.010	.044	-.447**	.206*	.282**	.070	.223*	.189
91	zMissRate FearHappy	-.500**	-.379**	.070	-.296**	.005	-.027	.074	-.060	.125	.090	.125	.138	.106
92	zMissRate Fear Target	-.098	-.488**	-.086	-.059	.149	-.007	-.368**	.023	.142	.167	.175	.242*	.318**
93	zMissRate HappyCalm	.033	.060	-.371**	-.002	.060	-.213*	-.237*	-.043	.162	.104	.003	.125	.249*
94	zMissRate Happy Distractor	-.203*	-.151	.063	-.663**	.072	.162	.071	-.526**	.197	.252*	.027	.039	.097
95	zMissRate HappyFear	-.200	-.039	-.011	-.110	-.430**	-.302**	.052	.017	.230*	.013	-.024	.045	.059
96	zMissRate Happy Target	-.155	-.094	-.243*	-.087	-.203*	-.392**	-.172	-.036	.165	.053	-.014	.079	.139
97	zMissRate NonEmotional Distractor	.195	-.204*	-.251*	.142	.260**	-.013	-.519**	.056	.206*	.204*	.165	.273**	.423**
98	zMissRate NonEmotional Target	.037	.071	.054	-.428**	.174	.226*	.064	-.680**	.224*	.337**	.011	.120	.170
99	zRT AllRuns Hits	.276**	.074	.218*	.254*	.319**	.294**	-.009	.159	.357**	.341**	.301**	.431**	.524**
100	zRT Calm Distractor Hits	.239*	.038	.200*	.270**	.310**	.262**	-.042	.200*	.335**	.280**	.280**	.383**	.481**
101	zRT Calm Target Hits	.300**	.100	.267**	.228*	.299**	.334**	.047	.104	.374**	.409**	.310**	.473**	.539**
102	zRT Emotional Distractor Hits	.291**	.094	.226*	.237*	.318**	.311**	.012	.129	.364**	.370**	.303**	.445**	.535**
103	zRT Emotional Target Hits	.255*	.058	.182	.268**	.319**	.260**	-.041	.186	.332**	.293**	.283**	.398**	.502**
104	zRT Fear Distractor Hits	.307**	.095	.207*	.240*	.286**	.298**	-.023	.110	.349**	.366**	.266**	.432**	.519**
105	zRT Fear Target Hits	.240*	.066	.204*	.266**	.343**	.296**	-.002	.192	.371**	.293**	.315**	.423**	.540**
106	zRT Happy Distractor Hits	.260*	.085	.244*	.214*	.336**	.330**	.044	.129	.368**	.358**	.325**	.445**	.530**
107	zRT Happy Target Hits	.259*	.047	.145	.269**	.280**	.204*	-.085	.184	.295**	.280**	.249*	.373**	.472**
108	zRT Hits Calm	.275**	.068	.240*	.252*	.312**	.305**	.003	.158	.366**	.353**	.308**	.439**	.523**
109	ZRT Hits CalmFear	.287**	.080	.264*	.234*	.251*	.317**	.016	.091	.351**	.400**	.270**	.453**	.517**
110	ZRT Hits CalmHappy	.261*	.101	.266**	.145	.313**	.352**	.081	.093	.372**	.390**	.339**	.450**	.503**
111	zRT Hits Fear	.281**	.078	.202*	.268**	.321**	.286**	-.019	.168	.355**	.332**	.301**	.433**	.533**
112	ZRT Hits FearCalm	.250*	.057	.218*	.269**	.344**	.313**	-.011	.214*	.378**	.281**	.328**	.412**	.531**
113	ZRT Hits FearHappy	.225*	.069	.186	.243*	.329**	.274**	.002	.169	.333**	.301**	.292**	.412**	.521**
114	zRT Hits Happy	.264**	.071	.209*	.248*	.326**	.292**	-.011	.163	.355**	.322**	.300**	.416**	.515**

		27	28	29	30	31	32	33	34	35	36	37	38	39
115	ZRT Hits HappyCalm	.187	.013	.171	.226*	.246*	.201*	-.049	.161	.296**	.263**	.214*	.330**	.408**
116	ZRT Hits HappyFear	.296**	.104	.152	.247*	.302**	.278**	-.052	.130	.335**	.311**	.245*	.379**	.494**
117	zRT Hits	.276**	.074	.218*	.254*	.319**	.294**	-.009	.159	.357**	.341**	.301**	.431**	.524**
118	zRT Nonemotional Distractor Hits	.239*	.038	.200*	.270**	.310**	.262**	-.042	.200*	.335**	.280**	.280**	.383**	.481**
119	zRT Nonemotional Target Hits	.300**	.100	.267**	.228*	.299**	.334**	.047	.104	.374**	.409**	.310**	.473**	.539**
120	Zero Complement Presented Framing Index	-.120	-.044	.157	-.106	.010	.151	.190	.007	.223*	.155	.071	.113	.074
121	Zero Complement Presented Gain Lives Risky Choices	.137	.024	-.040	.062	.069	.033	-.071	-.040	-.070	.063	.015	.022	.072
122	Zero Complement Presented Gain Lives Signed Confidence	.098	.024	-.065	.034	.018	.001	-.071	-.055	-.053	.029	.002	.000	.025
123	Zero Complement Presented Gain Risky Choices	.167	.077	-.071	.080	.104	.016	-.096	-.051	-.086	.022	-.017	.008	.069
124	Zero Complement Presented Gain Money Risky Choices	.147	.106	-.081	.074	.108	-.005	-.093	-.047	-.076	-.025	-.043	-.008	.047
125	Zero Complement Presented Gain Money Signed Confidence	.135	.126	-.078	.056	.108	.008	-.071	-.069	-.058	-.017	-.040	-.001	.047
126	Zero Complement Presented Gain Signed Confidence	.136	.090	-.083	.052	.076	.005	-.082	-.072	-.065	.006	-.023	-.001	.042
127	Zero Complement Presented Lives Framing Index	-.120	-.044	.157	-.106	.010	.151	.190	.007	.223*	.155	.071	.113	.074
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.116	-.077	.144	-.117	-.027	.110	.157	.006	.160	.151	.043	.081	.043
129	Zero Complement Presented Loss Lives Risky Choices	-.166	-.071	.083	-.154	-.003	.094	.105	-.086	.165	.084	-.095	-.033	-.039
130	Zero Complement Presented Loss Lives Signed Confidence	-.178	-.113	.106	-.151	-.068	.055	.079	-.100	.103	.029	-.112	-.071	-.088
131	Zero Complement Presented Loss Risky Choices	-.090	-.010	.100	-.116	.064	.145	.126	-.074	.192	.130	-.038	.044	.047
132	Zero Complement Presented Loss Money Risky Choices	.017	.061	.093	-.043	.123	.165	.117	-.041	.172	.148	.036	.119	.131
133	Zero Complement Presented Loss Money Signed Confidence	.010	.044	.083	-.075	.083	.134	.105	-.066	.123	.155	.007	.092	.099
134	Zero Complement Presented Loss Signed Confidence	-.094	-.038	.107	-.127	.009	.107	.104	-.094	.127	.105	-.059	.012	.007

		27	28	29	30	31	32	33	34	35	36	37	38	39
135	Zero Complement Presented Money Framing Index	-.120	-.044	.157	-.106	.010	.151	.190	.007	.223*	.155	.071	.113	.074
136	Zero Complement Presented Money Signed Confidence Framing Index	-.116	-.077	.144	-.117	-.027	.110	.157	.006	.160	.151	.043	.081	.043
137	Zero Complement Presented Signed Confidence Framing Index	-.116	-.077	.144	-.117	-.027	.110	.157	.006	.160	.151	.043	.081	.043
138	Framing Index	-.274**	-.169	.099	-.245*	-.055	.061	.082	-.114	.042	.001	-.177	-.133	-.219*
139	Gain Lives Risky Choices	.078	.024	-.027	.094	.050	.026	-.028	-.008	.045	.023	.055	.048	.086
140	Gain Lives Signed Confidence	.054	.010	-.042	.052	.018	.020	-.037	-.034	.032	-.004	.021	.008	.039
141	Gain Risky Choices	.127	.115	-.003	.066	.137	.102	.005	-.057	.068	.056	.030	.060	.133
142	Gain Money Risky Choices	.137	.170	.022	.018	.180	.146	.037	-.088	.070	.072	-.004	.053	.139
143	Gain Money Signed Confidence	.128	.184	.044	.008	.200*	.183	.069	-.119	.098	.057	.003	.050	.135
144	Gain Signed Confidence	.111	.124	.006	.033	.138	.129	.025	-.095	.080	.035	.013	.037	.108
145	Both Complements Presented Framing Index	-.166	-.138	.119	-.155	-.036	.043	.037	-.071	-.041	-.010	-.161	-.104	-.175
146	Both Complements Presented Gain Lives Risky Choices	.072	.031	-.092	.115	.001	-.022	-.057	.016	.014	-.030	.046	.016	.055
147	Both Complements Presented Gain Lives Signed Confidence	.057	.003	-.089	.074	.001	.004	-.062	-.001	.004	-.026	.042	.007	.037
148	Both Complements Presented Gain Risky Choices	.092	.101	-.044	.037	.110	.096	-.006	-.099	.061	.006	.017	.004	.083
149	Both Complements Presented Gain Money Risky Choices	.083	.143	.023	-.061	.191	.191	.051	-.191	.091	.042	-.020	-.011	.085
150	Both Complements Presented Gain Money Signed Confidence	.076	.142	.018	-.067	.189	.193	.049	-.205*	.096	.023	-.004	-.009	.079
151	Both Complements Presented Gain Signed Confidence	.079	.085	-.042	.005	.111	.116	-.008	-.121	.059	-.002	.022	-.001	.068
152	Both Complements Presented Lives Framing Index	-.145	-.079	.155	-.212*	.016	.102	.070	-.226*	-.044	-.082	-.162	-.184	-.217*
153	Both Complements Presented Lives Signed Confidence Framing Index	-.155	-.071	.126	-.207*	-.109	-.021	.069	-.184	-.068	.044	-.153	-.115	-.203*
154	Both Complements Presented Loss Lives Risky Choices	-.050	-.038	.044	-.071	.015	.066	.006	-.177	-.025	-.096	-.095	-.142	-.133
155	Both Complements Presented Loss Lives Signed Confidence	-.069	-.055	.021	-.101	-.088	-.013	.000	-.149	-.051	.011	-.087	-.087	-.131

		27	28	29	30	31	32	33	34	35	36	37	38	39
156	Both Complements Presented Loss Risky Choices	-.051	-.023	.049	-.098	.057	.105	.016	-.156	.000	-.014	-.129	-.094	-.079
157	Both Complements Presented Loss Money Risky Choices	-.040	-.008	.064	-.097	.107	.152	.042	-.076	.066	.095	-.112	.000	.009
158	Both Complements Presented Loss Money Signed Confidence	-.021	.010	.074	-.091	.074	.130	.055	-.080	.063	.080	-.105	-.002	-.003
159	Both Complements Presented Loss Signed Confidence	-.052	-.025	.046	-.110	-.018	.054	.024	-.138	-.008	.044	-.115	-.059	-.082
160	Both Complements Presented Money Framing Index	-.128	-.156	.075	-.044	-.045	.015	.020	.127	.028	.090	-.081	.037	-.059
161	Both Complements Presented Money Signed Confidence Framing Index	-.105	-.144	.094	-.026	-.087	-.018	.036	.153	.021	.096	-.086	.037	-.068
162	Both Complements Presented Signed Confidence Framing Index	-.161	-.130	.120	-.142	-.133	-.043	.051	-.025	-.052	.074	-.158	-.059	-.172
163	Money Framing Index	-.208*	-.209*	.072	-.112	-.026	.034	.028	.032	.066	.056	-.078	-.011	-.094
164	Money Risky Choices	.049	.082	.057	-.033	.179	.171	.052	-.078	.106	.102	-.041	.051	.104
165	Money Signed Confidence Framing Index	-.184	-.215*	.032	-.112	-.124	-.069	-.010	.052	-.005	.053	-.094	-.034	-.130
166	Money Signed Confidence	.060	.108	.066	-.045	.170	.178	.075	-.112	.111	.091	-.042	.041	.093
167	Nonzero Complement Presented Framing Index	-.206*	-.170	-.055	-.174	-.055	-.032	-.069	-.128	-.108	-.113	-.194	-.218*	-.281**
168	Nonzero Complement Presented Gain Lives Risky Choices	-.002	.006	.065	.058	.062	.059	.052	-.001	.160	.031	.075	.084	.092
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.009	.000	.043	.026	.028	.045	.034	-.036	.125	-.009	.008	.013	.039
170	Nonzero Complement Presented Gain Risky Choices	.079	.120	.103	.057	.142	.150	.109	.002	.193	.118	.074	.141	.192
171	Nonzero Complement Presented Gain Money Risky Choices	.134	.192	.106	.036	.172	.188	.127	.004	.158	.164	.047	.149	.225*
172	Nonzero Complement Presented Gain Money Signed Confidence	.124	.201*	.132	.025	.213*	.244*	.160	-.059	.178	.116	.036	.112	.196
173	Nonzero Complement Presented Gain Signed Confidence	.085	.145	.117	.031	.168	.199*	.132	-.060	.190	.079	.030	.087	.160
174	Nonzero Complement Presented Lives Framing Index	-.115	-.026	-.029	-.182	-.069	.021	.013	-.152	-.089	-.078	-.163	-.195	-.242*

		27	28	29	30	31	32	33	34	35	36	37	38	39
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.136	-.079	-.035	-.149	-.054	-.012	-.026	-.099	-.113	-.063	-.111	-.142	-.196
176	Nonzero Complement Presented Loss Lives Risky Choices	-.109	-.009	.035	-.143	-.002	.082	.069	-.154	.046	-.020	-.093	-.106	-.150
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.134	-.063	.015	-.141	-.013	.044	.022	-.137	.002	-.037	-.097	-.112	-.148
178	Nonzero Complement Presented Loss Risky Choices	-.108	-.040	.048	-.125	.081	.110	.044	-.121	.064	.027	-.111	-.068	-.086
179	Nonzero Complement Presented Loss Money Risky Choices	-.079	-.074	.044	-.058	.145	.105	-.007	-.043	.068	.053	-.103	-.014	.007
180	Nonzero Complement Presented Loss Money Signed Confidence	-.056	-.034	.041	-.088	.112	.094	.016	-.086	.074	.059	-.124	-.030	-.015
181	Nonzero Complement Presented Loss Signed Confidence	-.109	-.050	.035	-.140	.061	.084	.028	-.132	.043	.025	-.125	-.076	-.093
182	Nonzero Complement Presented Money Framing Index	-.222*	-.266**	-.058	-.096	-.017	-.075	-.133	-.049	-.084	-.109	-.154	-.160	-.214*
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.183	-.244*	-.110	-.097	-.139	-.188	-.159	-.006	-.131	-.079	-.139	-.144	-.223*
184	Nonzero Complement Presented Signed Confidence Framing Index	-.200*	-.212*	-.099	-.139	-.128	-.140	-.128	-.053	-.151	-.099	-.154	-.178	-.259*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		40	41	42	43	44	45	46	47	48	49	50	51	52
1	Criterion	.779**	.497**	.753**	.546**	.672**	.420**	.624**	.538**	.603**	.608**	.616**	-.608**	-.603**
2	Criterion Calm Distractor	.783**	.675**	.595**	.312**	.668**	.523**	.415**	.500**	.646**	.830**	.413**	-.830**	-.353**
3	Criterion CalmFear	.368**	.272**	.636**	.332**	.358**	.166	.348**	.235*	.266**	.270**	.568**	-.270**	-.788**
4	Criterion CalmHappy	.458**	.247*	.483**	.308**	.362**	.263**	.597**	.347**	.376**	.336**	.621**	-.336**	-.386**
5	Criterion Calm Target	.524**	.321**	.664**	.401**	.466**	.265**	.597**	.383**	.409**	.389**	.736**	-.389**	-.656**
6	Criterion Emotional Distractor	.697**	.298**	.767**	.560**	.581**	.331**	.670**	.572**	.561**	.435**	.652**	-.435**	-.584**
7	Criterion Emotional Target	.869**	.490**	.681**	.572**	.728**	.467**	.596**	.643**	.662**	.669**	.469**	-.669**	-.374**
8	Criterion FearCalm	.544**	.841**	.385**	.271**	.681**	.074	.330**	.272**	.241*	.603**	.372**	-.603**	-.337**
9	Criterion Fear Distractor	.610**	.298**	.849**	.313**	.403**	.330**	.389**	.594**	.619**	.444**	.533**	-.444**	-.610**
10	Criterion FearHappy	.604**	.188	.396**	.853**	.697**	.203*	.689**	.304**	.257*	.252*	.426**	-.252*	-.372**
11	Criterion Fear Target	.693**	.564**	.461**	.674**	.845**	.167	.613**	.362**	.316**	.507**	.440**	-.507**	-.381**
12	Criterion HappyCalm	.675**	.192	.496**	.197	.318**	.913**	.309**	.437**	.785**	.736**	.282**	-.736**	-.236*
13	Criterion Happy Distractor	.622**	.239*	.569**	.616**	.586**	.293**	.746**	.423**	.439**	.359**	.590**	-.359**	-.433**
14	Criterion HappyFear	.686**	.199	.736**	.230*	.326**	.389**	.390**	.887**	.740**	.430**	.341**	-.430**	-.180
15	Criterion Happy Target	.752**	.254*	.728**	.198	.348**	.694**	.322**	.744**	.889**	.665**	.283**	-.665**	-.243*
16	Criterion NonEmotional Distractor	.783**	.675**	.595**	.312**	.668**	.523**	.415**	.500**	.646**	.830**	.413**	-.830**	-.353**
17	Criterion NonEmotional Target	.524**	.321**	.664**	.401**	.466**	.265**	.597**	.383**	.409**	.389**	.736**	-.389**	-.656**
18	DPrime	.421**	.262**	.300**	.376**	.381**	.354**	.550**	.325**	.304**	.351**	.523**	-.351**	-.245*
19	DPrime Calm Distractor	.432**	.466**	.147	.019	.299**	.675**	.052	.052	.456**	.729**	.124	-.729**	-.154
20	DPrime CalmFear	.228*	.210*	.326**	.234*	.278**	.144	.185	.047	.111	.208*	.334**	-.208*	-.573**
21	DPrime CalmHappy	.034	.036	.010	.097	.049	.089	.513**	.093	-.012	.053	.592**	-.053	-.051
22	DPrime Calm Target	.121	.094	.147	.181	.144	.085	.504**	.120	-.019	.094	.646**	-.094	-.229*
23	DPrime Emotional Distractor	.368**	.060	.354**	.444**	.326**	.151	.645**	.418**	.209*	.125	.573**	-.125	-.195
24	DPrime Emotional Target	.712**	.364**	.524**	.446**	.547**	.567**	.401**	.473**	.650**	.600**	.273**	-.600**	-.278**
25	DPrime FearCalm	.305**	.736**	.071	-.012	.417**	.212*	-.027	-.046	.122	.567**	.089	-.567**	-.188
26	DPrime Fear Distractor	.555**	.142	.653**	.371**	.361**	.281**	.417**	.626**	.554**	.304**	.404**	-.304**	-.405**
27	DPrime FearHappy	.497**	.118	.354**	.836**	.620**	.112	.602**	.238*	.205*	.128	.297**	-.128	-.311**
28	DPrime Fear Target	.541**	.519**	.290**	.501**	.676**	.276**	.363**	.148	.263**	.478**	.229*	-.478**	-.287**

		40	41	42	43	44	45	46	47	48	49	50	51	52
29	DPrime HappyCalm	.469**	.123	.231*	.150	.179	.905**	.221*	.202*	.654**	.632**	.188	-.632**	-.165
30	DPrime Happy Distractor	.302**	.069	.173	.494**	.362**	.129	.708**	.238*	.100	.102	.570**	-.102	-.127
31	DPrime HappyFear	.565**	.095	.653**	.346**	.292**	.230*	.418**	.873**	.644**	.235*	.317**	-.235*	-.182
32	DPrime Happy Target	.672**	.159	.602**	.286**	.313**	.691**	.337**	.625**	.857**	.578**	.237*	-.578**	-.230*
33	DPrime NonEmotional Distractor	.432**	.466**	.147	.019	.299**	.675**	.052	.052	.456**	.729**	.124	-.729**	-.154
34	DPrime NonEmotional Target	.121	.094	.147	.181	.144	.085	.504**	.120	-.019	.094	.646**	-.094	-.229*
35	zCorrectRejectionRate Calm Distractor	.797**	.738**	.503**	.226*	.640**	.753**	.322**	.381**	.714**	1.000**	.361**	-1.000*	-.334**
36	zCorrectRejectionRate CalmFear	.436**	.347**	.713**	.411**	.458**	.222*	.394**	.219*	.283**	.345**	.662**	-.345**	-.985**
37	zCorrectRejectionRate CalmHappy	.332**	.190	.340**	.274**	.278**	.240*	.766**	.299**	.244*	.264**	.837**	-.264**	-.294**
38	zCorrectRejectionRate Calm Target	.482**	.309**	.625**	.430**	.454**	.260**	.798**	.374**	.299**	.361**	1.000**	-.361**	-.657**
39	zCorrectRejectionRate Emotional Distractor	.754**	.260**	.801**	.705**	.641**	.343**	.912**	.693**	.551**	.404**	.852**	-.404**	-.561**
40	zCorrectRejectionRate Emotional Target	1	.550**	.765**	.654**	.812**	.632**	.641**	.712**	.817**	.797**	.482**	-.797**	-.420**
41	zCorrectRejectionRate FearCalm	.550**	1	.307**	.182	.708**	.171	.214*	.163	.237*	.738**	.309**	-.738**	-.340**
42	zCorrectRejectionRate Fear Distractor	.765**	.307**	1	.445**	.502**	.404**	.521**	.790**	.770**	.503**	.625**	-.503**	-.692**
43	zCorrectRejectionRate FearHappy	.654**	.182	.445**	1	.781**	.188	.766**	.321**	.274**	.226*	.430**	-.226*	-.405**
44	zCorrectRejectionRate Fear Target	.812**	.708**	.502**	.781**	1	.275**	.656**	.351**	.380**	.640**	.454**	-.640**	-.443**
45	zCorrectRejectionRate HappyCalm	.632**	.171	.404**	.188	.275**	1	.293**	.354**	.793**	.753**	.260**	-.753**	-.217*
46	zCorrectRejectionRate Happy Distractor	.641**	.214*	.521**	.766**	.656**	.293**	1	.458**	.377**	.322**	.798**	-.322**	-.390**
47	zCorrectRejectionRate HappyFear	.712**	.163	.790**	.321**	.351**	.354**	.458**	1	.787**	.381**	.374**	-.381**	-.201*
48	zCorrectRejectionRate Happy Target	.817**	.237*	.770**	.274**	.380**	.793**	.377**	.787**	1	.714**	.299**	-.714**	-.269**
49	zCorrectRejectionRate NonEmotional Distractor	.797**	.738**	.503**	.226*	.640**	.753**	.322**	.381**	.714**	1	.361**	-1.000*	-.334**
50	zCorrectRejectionRate NonEmotional Target	.482**	.309**	.625**	.430**	.454**	.260**	.798**	.374**	.299**	.361**	1	-.361**	-.657**
51	zFalseAlarmRate Calm Distractor	-.797**	-.738**	-.503**	-.226*	-.640**	-.753**	-.322**	-.381**	-.714**	-1.000*	-.361**	1	.334**
52	zFalseAlarmRate CalmFear	-.420**	-.340**	-.692**	-.405**	-.443**	-.217*	-.390**	-.201*	-.269**	-.334**	-.657**	.334**	1
53	zFalseAlarmRate CalmHappy	-.334**	-.185	-.346**	-.263**	-.270**	-.248*	-.760**	-.313**	-.255*	-.265**	-.834**	.265**	.289**
54	zFalseAlarmRate Calm Target	-.482**	-.309**	-.625**	-.430**	-.454**	-.260**	-.798**	-.374**	-.299**	-.361**	-1.000*	.361**	.657**
55	zFalseAlarmRate Emotional Distractor	-.754**	-.260**	-.801**	-.705**	-.641**	-.343**	-.912**	-.693**	-.551**	-.404**	-.852**	.404**	.561**
56	zFalseAlarmRate Emotional Target	-1.000*	-.550**	-.765**	-.654**	-.812**	-.632**	-.641**	-.712**	-.817**	-.797**	-.482**	.797**	.420**

		40	41	42	43	44	45	46	47	48	49	50	51	52
57	zFalseAlarmRate FearCalm	-.545**	-.976**	-.328**	-.166	-.691**	-.181	-.210*	-.180	-.245*	-.728**	-.315**	.728**	.352**
58	zFalseAlarmRate Fear Distractor	-.765**	-.307**	-1.000*	-.445**	-.502**	-.404**	-.521**	-.790**	-.770**	-.503**	-.625**	.503**	.692**
59	zFalseAlarmRate FearHappy	-.662**	-.180	-.473**	-.969**	-.763**	-.210*	-.762**	-.363**	-.307**	-.233*	-.446**	.233*	.417**
60	zFalseAlarmRate Fear Target	-.812**	-.708**	-.502**	-.781**	-1.000*	-.275**	-.656**	-.351**	-.380**	-.640**	-.454**	.640**	.443**
61	zFalseAlarmRate HappyCalm	-.638**	-.176	-.432**	-.197	-.286**	-.979**	-.301**	-.371**	-.793**	-.746**	-.274**	.746**	.253*
62	zFalseAlarmRate Happy Distractor	-.641**	-.214*	-.521**	-.766**	-.656**	-.293**	-1.000*	-.458**	-.377**	-.322**	-.798**	.322**	.390**
63	zFalseAlarmRate HappyFear	-.715**	-.170	-.775**	-.351**	-.370**	-.360**	-.463**	-.983**	-.776**	-.384**	-.364**	.384**	.194
64	zFalseAlarmRate Happy Target	-.817**	-.237*	-.770**	-.274**	-.380**	-.793**	-.377**	-.787**	-1.000*	-.714**	-.299**	.714**	.269**
65	zFalseAlarmRate NonEmotional Distractor	-.797**	-.738**	-.503**	-.226*	-.640**	-.753**	-.322**	-.381**	-.714**	-1.000*	-.361**	1.000**	.334**
66	zFalseAlarmRate NonEmotional Target	-.482**	-.309**	-.625**	-.430**	-.454**	-.260**	-.798**	-.374**	-.299**	-.361**	-1.000*	.361**	.657**
67	zHitRate Calm Distractor	-.378**	-.243*	-.417**	-.256*	-.371**	.024	-.327**	-.401**	-.240*	-.206*	-.273**	.206*	.193
68	zHitRate CalmFear	-.159	-.092	-.316**	-.127	-.121	-.047	-.171	-.160	-.151	-.092	-.273**	.092	.286**
69	zHitRate CalmHappy	-.304**	-.148	-.353**	-.147	-.222*	-.121	-.041	-.177	-.280**	-.200	.002	.200	.241*
70	zHitRate Calm Target	-.306**	-.174	-.433**	-.176	-.248*	-.139	-.110	-.203*	-.313**	-.224*	-.120	.224*	.331**
71	zHitRate Emotional Distractor	-.292**	-.186	-.396**	-.128	-.231*	-.154	-.087	-.163	-.293**	-.252*	-.121	.252*	.313**
72	zHitRate Emotional Target	-.347**	-.197	-.298**	-.216*	-.325**	-.064	-.297**	-.293**	-.193	-.233*	-.262**	.233*	.150
73	zHitRate FearCalm	-.263**	-.229*	-.294**	-.249*	-.305**	.092	-.311**	-.276**	-.125	-.124	-.266**	.124	.168
74	zHitRate Fear Distractor	-.198	-.171	-.349**	-.041	-.134	-.119	-.087	-.140	-.206*	-.206*	-.223*	.206*	.278**
75	zHitRate FearHappy	-.127	-.073	-.055	-.058	-.104	-.093	-.113	-.075	-.060	-.125	-.138	.125	.073
76	zHitRate Fear Target	-.266**	-.164	-.222*	-.272**	-.313**	.030	-.310**	-.226*	-.111	-.142	-.242*	.142	.151
77	zHitRate HappyCalm	-.279**	-.091	-.338**	-.064	-.181	-.059	-.122	-.300**	-.196	-.162	-.125	.162	.094
78	zHitRate Happy Distractor	-.252*	-.129	-.322**	-.109	-.183	-.128	-.059	-.148	-.258*	-.197	-.039	.197	.232*
79	zHitRate HappyFear	-.164	-.117	-.135	.140	-.053	-.189	.008	-.064	-.150	-.230*	-.045	.230*	-.007
80	zHitRate Happy Target	-.168	-.114	-.219*	.075	-.076	-.087	-.024	-.205*	-.139	-.165	-.079	.165	.030
81	zHitRate NonEmotional Distractor	-.378**	-.243*	-.417**	-.256*	-.371**	.024	-.327**	-.401**	-.240*	-.206*	-.273**	.206*	.193
82	zHitRate NonEmotional Target	-.306**	-.174	-.433**	-.176	-.248*	-.139	-.110	-.203*	-.313**	-.224*	-.120	.224*	.331**
83	zMissRate Calm Distractor	.378**	.243*	.417**	.256*	.371**	-.024	.327**	.401**	.240*	.206*	.273**	-.206*	-.193
84	zMissRate CalmFear	.159	.092	.316**	.127	.121	.047	.171	.160	.151	.092	.273**	-.092	-.286**
85	zMissRate CalmHappy	.304**	.148	.353**	.147	.222*	.121	.041	.177	.280**	.200	-.002	-.200	-.241*

		40	41	42	43	44	45	46	47	48	49	50	51	52
86	zMissRate Calm Target	.306**	.174	.433**	.176	.248*	.139	.110	.203*	.313**	.224*	.120	-.224*	-.331**
87	zMissRate Emotional Distractor	.292**	.186	.396**	.128	.231*	.154	.087	.163	.293**	.252*	.121	-.252*	-.313**
88	zMissRate Emotional Target	.347**	.197	.298**	.216*	.325**	.064	.297**	.293**	.193	.233*	.262**	-.233*	-.150
89	zMissRate FearCalm	.263**	.229*	.294**	.249*	.305**	-.092	.311**	.276**	.125	.124	.266**	-.124	-.168
90	zMissRate Fear Distractor	.198	.171	.349**	.041	.134	.119	.087	.140	.206*	.206*	.223*	-.206*	-.278**
91	zMissRate FearHappy	.127	.073	.055	.058	.104	.093	.113	.075	.060	.125	.138	-.125	-.073
92	zMissRate Fear Target	.266**	.164	.222*	.272**	.313**	-.030	.310**	.226*	.111	.142	.242*	-.142	-.151
93	zMissRate HappyCalm	.279**	.091	.338**	.064	.181	.059	.122	.300**	.196	.162	.125	-.162	-.094
94	zMissRate Happy Distractor	.252*	.129	.322**	.109	.183	.128	.059	.148	.258*	.197	.039	-.197	-.232*
95	zMissRate HappyFear	.164	.117	.135	-.140	.053	.189	-.008	.064	.150	.230*	.045	-.230*	.007
96	zMissRate Happy Target	.168	.114	.219*	-.075	.076	.087	.024	.205*	.139	.165	.079	-.165	-.030
97	zMissRate NonEmotional Distractor	.378**	.243*	.417**	.256*	.371**	-.024	.327**	.401**	.240*	.206*	.273**	-.206*	-.193
98	zMissRate NonEmotional Target	.306**	.174	.433**	.176	.248*	.139	.110	.203*	.313**	.224*	.120	-.224*	-.331**
99	zRT AllRuns Hits	.481**	.278**	.463**	.360**	.400**	.265**	.438**	.397**	.396**	.357**	.431**	-.357**	-.332**
100	zRT Calm Distractor Hits	.442**	.269**	.410**	.300**	.357**	.249*	.394**	.389**	.369**	.335**	.383**	-.335**	-.270**
101	zRT Calm Target Hits	.492**	.288**	.493**	.403**	.414**	.300**	.460**	.368**	.410**	.374**	.473**	-.374**	-.406**
102	zRT Emotional Distractor Hits	.495**	.290**	.487**	.385**	.416**	.271**	.450**	.396**	.408**	.364**	.445**	-.364**	-.362**
103	zRT Emotional Target Hits	.459**	.265**	.430**	.327**	.378**	.238*	.414**	.403**	.374**	.332**	.398**	-.332**	-.281**
104	zRT Fear Distractor Hits	.483**	.281**	.457**	.397**	.427**	.256*	.440**	.365**	.398**	.349**	.432**	-.349**	-.356**
105	zRT Fear Target Hits	.524**	.282**	.471**	.341**	.408**	.253*	.443**	.439**	.412**	.371**	.423**	-.371**	-.284**
106	zRT Happy Distractor Hits	.487**	.286**	.491**	.354**	.387**	.280**	.440**	.407**	.419**	.368**	.445**	-.368**	-.352**
107	zRT Happy Target Hits	.421**	.241*	.397**	.302**	.347**	.218*	.384**	.369**	.332**	.295**	.373**	-.295**	-.266**
108	zRT Hits Calm	.479**	.281**	.462**	.361**	.397**	.281**	.439**	.386**	.397**	.366**	.439**	-.366**	-.346**
109	ZRT Hits CalmFear	.495**	.269**	.433**	.419**	.436**	.275**	.448**	.311**	.377**	.351**	.453**	-.351**	-.398**
110	ZRT Hits CalmHappy	.467**	.291**	.509**	.324**	.353**	.293**	.405**	.376**	.424**	.372**	.450**	-.372**	-.388**
111	zRT Hits Fear	.491**	.280**	.458**	.379**	.421**	.251*	.452**	.404**	.390**	.355**	.433**	-.355**	-.322**
112	ZRT Hits FearCalm	.522**	.300**	.468**	.329**	.400**	.259*	.435**	.440**	.421**	.378**	.412**	-.378**	-.271**
113	ZRT Hits FearHappy	.496**	.266**	.454**	.337**	.389**	.229*	.424**	.417**	.381**	.333**	.412**	-.333**	-.292**
114	zRT Hits Happy	.477**	.275**	.462**	.337**	.385**	.262**	.425**	.408**	.400**	.355**	.416**	-.355**	-.312**

		40	41	42	43	44	45	46	47	48	49	50	51	52
115	ZRT Hits HappyCalm	.374**	.242*	.359**	.223*	.288**	.233*	.312**	.328**	.314**	.296**	.330**	-.296**	-.253*
116	ZRT Hits HappyFear	.471**	.268**	.481**	.337**	.388**	.231*	.404**	.397**	.414**	.335**	.379**	-.335**	-.295**
117	zRT Hits	.481**	.278**	.463**	.360**	.400**	.265**	.438**	.397**	.396**	.357**	.431**	-.357**	-.332**
118	zRT Nonemotional Distractor Hits	.442**	.269**	.410**	.300**	.357**	.249*	.394**	.389**	.369**	.335**	.383**	-.335**	-.270**
119	zRT Nonemotional Target Hits	.492**	.288**	.493**	.403**	.414**	.300**	.460**	.368**	.410**	.374**	.473**	-.374**	-.406**
120	Zero Complement Presented Framing Index	.124	.068	.190	-.100	-.028	.212*	-.040	.120	.207*	.223*	.113	-.223*	-.154
121	Zero Complement Presented Gain Lives Risky Choices	.028	-.038	.019	.162	.093	-.094	.084	-.020	-.048	-.070	.022	.070	-.052
122	Zero Complement Presented Gain Lives Signed Confidence	.003	.011	-.043	.133	.102	-.112	.060	-.073	-.082	-.053	.000	.053	-.020
123	Zero Complement Presented Gain Risky Choices	.030	.021	.007	.159	.109	-.118	.086	.012	-.051	-.086	.008	.086	-.001
124	Zero Complement Presented Gain Money Risky Choices	.024	.073	-.007	.108	.092	-.106	.063	.039	-.039	-.076	-.008	.076	.049
125	Zero Complement Presented Gain Money Signed Confidence	.034	.097	-.002	.100	.105	-.108	.063	.045	-.031	-.058	-.001	.058	.039
126	Zero Complement Presented Gain Signed Confidence	.023	.065	-.025	.134	.120	-.127	.071	-.013	-.064	-.065	-.001	.065	.013
127	Zero Complement Presented Lives Framing Index	.124	.068	.190	-.100	-.028	.212*	-.040	.120	.207*	.223*	.113	-.223*	-.154
128	Zero Complement Presented Lives Signed Confidence Framing Index	.074	.008	.155	-.096	-.068	.196	-.062	.068	.158	.160	.081	-.160	-.153
129	Zero Complement Presented Loss Lives Risky Choices	.084	.072	.108	-.115	-.014	.138	-.147	.042	.147	.165	-.033	-.165	-.036
130	Zero Complement Presented Loss Lives Signed Confidence	.016	-.002	.012	-.127	-.066	.142	-.157	-.040	.083	.103	-.071	-.103	.016
131	Zero Complement Presented Loss Risky Choices	.138	.124	.175	-.069	.026	.152	-.078	.119	.191	.192	.044	-.192	-.087
132	Zero Complement Presented Loss Money Risky Choices	.164	.150	.206*	-.001	.064	.128	.020	.175	.192	.172	.119	-.172	-.121
133	Zero Complement Presented Loss Money Signed Confidence	.122	.111	.177	-.004	.032	.112	-.005	.125	.149	.123	.092	-.123	-.133
134	Zero Complement Presented Loss Signed Confidence	.078	.062	.107	-.074	-.019	.143	-.090	.049	.131	.127	.012	-.127	-.067

		40	41	42	43	44	45	46	47	48	49	50	51	52
135	Zero Complement Presented Money Framing Index	.124	.068	.190	-.100	-.028	.212*	-.040	.120	.207*	.223*	.113	-.223*	-.154
136	Zero Complement Presented Money Signed Confidence Framing Index	.074	.008	.155	-.096	-.068	.196	-.062	.068	.158	.160	.081	-.160	-.153
137	Zero Complement Presented Signed Confidence Framing Index	.074	.008	.155	-.096	-.068	.196	-.062	.068	.158	.160	.081	-.160	-.153
138	Framing Index	-.141	-.006	-.061	-.295**	-.223*	.090	-.291**	-.072	.044	.042	-.133	-.042	.040
139	Gain Lives Risky Choices	.086	.020	.017	.137	.127	-.002	.095	.005	.013	.045	.048	-.045	-.013
140	Gain Lives Signed Confidence	.058	.024	-.025	.115	.114	-.026	.058	-.032	-.013	.032	.008	-.032	.007
141	Gain Risky Choices	.158	.084	.107	.159	.166	.019	.114	.108	.090	.068	.060	-.068	-.039
142	Gain Money Risky Choices	.180	.121	.164	.133	.154	.034	.098	.177	.139	.070	.053	-.070	-.052
143	Gain Money Signed Confidence	.197	.148	.170	.125	.163	.050	.097	.190	.161	.098	.050	-.098	-.043
144	Gain Signed Confidence	.158	.109	.096	.142	.166	.018	.093	.106	.097	.080	.037	-.080	-.024
145	Both Complements Presented Framing Index	-.165	-.045	-.101	-.191	-.190	.048	-.202*	-.109	-.037	-.041	-.104	.041	.056
146	Both Complements Presented Gain Lives Risky Choices	.066	.007	-.040	.149	.130	-.039	.098	-.029	-.025	.014	.016	-.014	.029
147	Both Complements Presented Gain Lives Signed Confidence	.051	.003	-.045	.138	.117	-.055	.080	-.044	-.031	.004	.007	-.004	.021
148	Both Complements Presented Gain Risky Choices	.146	.072	.059	.145	.161	-.003	.086	.092	.088	.061	.004	-.061	.000
149	Both Complements Presented Gain Money Risky Choices	.183	.116	.149	.090	.138	.037	.043	.193	.181	.091	-.011	-.091	-.032
150	Both Complements Presented Gain Money Signed Confidence	.176	.135	.144	.073	.135	.028	.042	.186	.176	.096	-.009	-.096	-.017
151	Both Complements Presented Gain Signed Confidence	.134	.082	.057	.125	.149	-.016	.072	.083	.085	.059	-.001	-.059	.002
152	Both Complements Presented Lives Framing Index	-.146	-.074	-.098	-.217*	-.220*	.088	-.232*	-.052	.047	-.044	-.184	.044	.120
153	Both Complements Presented Lives Signed Confidence Framing Index	-.185	-.093	-.116	-.180	-.199*	.080	-.206*	-.156	-.040	-.068	-.115	.068	-.014
154	Both Complements Presented Loss Lives Risky Choices	-.062	-.055	-.122	-.035	-.063	.038	-.105	-.072	.016	-.025	-.142	.025	.126
155	Both Complements Presented Loss Lives Signed Confidence	-.104	-.073	-.135	-.015	-.055	.015	-.095	-.166	-.061	-.051	-.087	.051	.008

		40	41	42	43	44	45	46	47	48	49	50	51	52
156	Both Complements Presented Loss Risky Choices	-.018	.013	-.044	-.021	-.020	.027	-.094	-.019	.033	.000	-.094	.000	.055
157	Both Complements Presented Loss Money Risky Choices	.050	.107	.068	-.010	.035	.031	-.057	.059	.069	.066	.000	-.066	-.052
158	Both Complements Presented Loss Money Signed Confidence	.037	.109	.034	.004	.037	.044	-.055	.017	.045	.063	-.002	-.063	-.037
159	Both Complements Presented Loss Signed Confidence	-.046	.009	-.067	-.004	-.014	.027	-.086	-.094	-.019	-.008	-.059	.008	-.009
160	Both Complements Presented Money Framing Index	-.104	.037	-.043	-.112	-.089	.022	-.104	-.103	-.072	.028	.037	-.028	-.053
161	Both Complements Presented Money Signed Confidence Framing Index	-.119	.016	-.081	-.085	-.092	.048	-.102	-.149	-.100	.021	.037	-.021	-.054
162	Both Complements Presented Signed Confidence Framing Index	-.197	-.066	-.133	-.157	-.181	.065	-.189	-.199*	-.104	-.052	-.059	.052	-.029
163	Money Framing Index	-.096	.003	-.028	-.210*	-.154	.069	-.173	-.034	.015	.066	-.011	-.066	-.032
164	Money Risky Choices	.146	.129	.160	.044	.091	.068	.023	.172	.155	.106	.051	-.106	-.070
165	Money Signed Confidence Framing Index	-.160	-.054	-.099	-.184	-.173	.031	-.180	-.138	-.080	-.005	-.034	.005	-.032
166	Money Signed Confidence	.150	.144	.148	.056	.105	.072	.025	.153	.147	.111	.041	-.111	-.065
167	Nonzero Complement Presented Framing Index	-.238*	-.057	-.202*	-.248*	-.212*	-.094	-.271**	-.151	-.092	-.108	-.218*	.108	.138
168	Nonzero Complement Presented Gain Lives Risky Choices	.121	.075	.069	.042	.097	.119	.059	.062	.102	.160	.084	-.160	-.017
169	Nonzero Complement Presented Gain Lives Signed Confidence	.093	.048	.021	.031	.076	.092	.011	.030	.072	.125	.013	-.125	.014
170	Nonzero Complement Presented Gain Risky Choices	.227*	.124	.211*	.117	.162	.160	.125	.172	.189	.193	.141	-.193	-.098
171	Nonzero Complement Presented Gain Money Risky Choices	.254*	.129	.277**	.151	.171	.144	.147	.222*	.210*	.158	.149	-.158	-.146
172	Nonzero Complement Presented Gain Money Signed Confidence	.265**	.152	.258*	.143	.176	.158	.131	.238*	.236*	.178	.112	-.178	-.106
173	Nonzero Complement Presented Gain Signed Confidence	.238*	.134	.198	.119	.165	.160	.100	.187	.206*	.190	.087	-.190	-.070
174	Nonzero Complement Presented Lives Framing Index	-.167	-.016	-.139	-.140	-.129	-.080	-.204*	-.157	-.059	-.089	-.195	.089	.102

		40	41	42	43	44	45	46	47	48	49	50	51	52
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.179	-.031	-.137	-.119	-.135	-.083	-.147	-.145	-.083	-.113	-.142	.113	.096
176	Nonzero Complement Presented Loss Lives Risky Choices	-.060	.047	-.055	-.106	-.053	.028	-.152	-.090	.035	.046	-.106	-.046	.054
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.090	.012	-.090	-.095	-.073	.010	-.138	-.103	-.007	.002	-.112	-.002	.072
178	Nonzero Complement Presented Loss Risky Choices	-.024	.051	.012	-.123	-.063	.057	-.144	.016	.083	.064	-.068	-.064	.010
179	Nonzero Complement Presented Loss Money Risky Choices	.025	.041	.072	-.102	-.050	.071	-.090	.128	.112	.068	-.014	-.068	-.021
180	Nonzero Complement Presented Loss Money Signed Confidence	.025	.072	.048	-.074	-.016	.061	-.091	.073	.077	.074	-.030	-.074	-.032
181	Nonzero Complement Presented Loss Signed Confidence	-.039	.047	-.017	-.101	-.057	.041	-.135	-.015	.042	.043	-.076	-.043	.010
182	Nonzero Complement Presented Money Framing Index	-.223*	-.086	-.196	-.266**	-.220*	-.067	-.238*	-.085	-.089	-.084	-.160	.084	.125
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.266**	-.107	-.240*	-.219*	-.202*	-.121	-.215*	-.197	-.192	-.131	-.144	.131	.091
184	Nonzero Complement Presented Signed Confidence Framing Index	-.277**	-.088	-.242*	-.211*	-.206*	-.131	-.222*	-.215*	-.178	-.151	-.178	.151	.126

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		53	54	55	56	57	58	59	60	61	62	63	64	65
1	Criterion													
2	Criterion Calm Distractor	-.434**	-.616**	-.724**	-.779**	-.509**	-.753**	-.548**	-.672**	-.442**	-.624**	-.534**	-.603**	-.608**
3	Criterion CalmFear	-.278**	-.413**	-.529**	-.783**	-.677**	-.595**	-.312**	-.668**	-.536**	-.415**	-.506**	-.646**	-.830**
4	Criterion CalmHappy	-.249*	-.568**	-.503**	-.368**	-.297**	-.636**	-.348**	-.358**	-.210*	-.348**	-.237*	-.266**	-.270**
5	Criterion Calm Target	-.693**	-.621**	-.582**	-.458**	-.268**	-.483**	-.323**	-.362**	-.270**	-.597**	-.328**	-.376**	-.336**
6	Criterion Emotional Distractor	-.548**	-.736**	-.674**	-.524**	-.342**	-.664**	-.428**	-.466**	-.286**	-.597**	-.373**	-.409**	-.389**
7	Criterion Emotional Target	-.475**	-.652**	-.767**	-.697**	-.316**	-.767**	-.579**	-.581**	-.352**	-.670**	-.562**	-.561**	-.435**
8	Criterion FearCalm	-.309**	-.469**	-.705**	-.869**	-.494**	-.681**	-.568**	-.728**	-.481**	-.596**	-.641**	-.662**	-.669**
9	Criterion Fear Distractor	-.249*	-.372**	-.387**	-.544**	-.832**	-.385**	-.262**	-.681**	-.094	-.330**	-.282**	-.241*	-.603**
10	Criterion FearHappy	-.264**	-.533**	-.629**	-.610**	-.323**	-.849**	-.346**	-.403**	-.360**	-.389**	-.588**	-.619**	-.444**
11	Criterion Fear Target	-.278**	-.426**	-.636**	-.604**	-.176	-.396**	-.821**	-.697**	-.204*	-.689**	-.318**	-.257*	-.252*
12	Criterion HappyCalm	-.272**	-.440**	-.608**	-.693**	-.560**	-.461**	-.653**	-.845**	-.187	-.613**	-.371**	-.316**	-.507**
13	Criterion Happy Distractor	-.220*	-.282**	-.406**	-.675**	-.207*	-.496**	-.218*	-.318**	-.895**	-.309**	-.440**	-.785**	-.736**
14	Criterion HappyFear	-.546**	-.590**	-.709**	-.622**	-.244*	-.569**	-.617**	-.586**	-.301**	-.746**	-.408**	-.439**	-.359**
15	Criterion Happy Target	-.256*	-.341**	-.622**	-.686**	-.217*	-.736**	-.258*	-.326**	-.404**	-.390**	-.872**	-.740**	-.430**
16	Criterion NonEmotional Distractor	-.203*	-.283**	-.518**	-.752**	-.271**	-.728**	-.221*	-.348**	-.694**	-.322**	-.733**	-.889**	-.665**
17	Criterion NonEmotional Target	-.278**	-.413**	-.529**	-.783**	-.677**	-.595**	-.312**	-.668**	-.536**	-.415**	-.506**	-.646**	-.830**
18	DPrime	-.548**	-.736**	-.674**	-.524**	-.342**	-.664**	-.428**	-.466**	-.286**	-.597**	-.373**	-.409**	-.389**
19	DPrime Calm Distractor	-.497**	-.523**	-.554**	-.421**	-.242*	-.300**	-.385**	-.381**	-.337**	-.550**	-.334**	-.304**	-.351**
20	DPrime CalmFear	-.121	-.124	-.057	-.432**	-.445**	-.147	-.030	-.299**	-.646**	-.052	-.050	-.456**	-.729**
21	DPrime CalmHappy	-.123	-.334**	-.276**	-.228*	-.199	-.326**	-.224*	-.278**	-.146	-.185	-.035	-.111	-.208*
22	DPrime Calm Target	-.745**	-.592**	-.425**	-.034	-.026	-.010	-.102	-.049	-.081	-.513**	-.098	.012	-.053
23	DPrime Emotional Distractor	-.614**	-.646**	-.498**	-.121	-.080	-.147	-.176	-.144	-.082	-.504**	-.117	.019	-.094
24	DPrime Emotional Target	-.529**	-.573**	-.670**	-.368**	-.051	-.354**	-.441**	-.326**	-.157	-.645**	-.424**	-.209*	-.125
25	DPrime FearCalm	-.210*	-.273**	-.466**	-.712**	-.350**	-.524**	-.469**	-.547**	-.558**	-.401**	-.481**	-.650**	-.600**
26	DPrime Fear Distractor	-.021	-.089	.016	-.305**	-.705**	-.071	.004	-.417**	-.196	.027	.048	-.122	-.567**
27	DPrime FearHappy	-.268**	-.404**	-.596**	-.555**	-.145	-.653**	-.376**	-.361**	-.291**	-.417**	-.606**	-.554**	-.304**
28	DPrime Fear Target	-.163	-.297**	-.554**	-.497**	-.102	-.354**	-.817**	-.620**	-.126	-.602**	-.274**	-.205**	-.128
		-.122	-.229*	-.342**	-.541**	-.494**	-.290**	-.498**	-.676**	-.269**	-.363**	-.170	-.263**	-.478**

		53	54	55	56	57	58	59	60	61	62	63	64	65
29	DPrime HappyCalm	-.231*	-.188	-.214*	-.469**	-.127	-.231*	-.170	-.179	-.886**	-.221*	-.209*	-.654**	-.632**
30	DPrime Happy Distractor	-.559**	-.570**	-.615**	-.302**	-.057	-.173	-.487**	-.362**	-.132	-.708**	-.261**	-.100	-.102
31	DPrime HappyFear	-.296**	-.317**	-.599**	-.565**	-.108	-.653**	-.394**	-.292**	-.244*	-.418**	-.859**	-.644**	-.235*
32	DPrime Happy Target	-.245*	-.237*	-.439**	-.672**	-.156	-.602**	-.321**	-.313**	-.692**	-.337**	-.615**	-.857**	-.578**
33	DPrime NonEmotional Distractor	-.121	-.124	-.057	-.432**	-.445**	-.147	-.030	-.299**	-.646**	-.052	-.050	-.456**	-.729**
34	DPrime NonEmotional Target	-.614**	-.646**	-.498**	-.121	-.080	-.147	-.176	-.144	-.082	-.504**	-.117	.019	-.094
35	zCorrectRejectionRate Calm Distractor	-.265**	-.361**	-.404**	-.797**	-.728**	-.503**	-.233*	-.640**	-.746**	-.322**	-.384**	-.714**	-1.000*
36	zCorrectRejectionRate CalmFear	-.277**	-.662**	-.574**	-.436**	-.361**	-.713**	-.418**	-.458**	-.259*	-.394**	-.213*	-.283**	-.345**
37	zCorrectRejectionRate CalmHappy	-.995**	-.837**	-.693**	-.332**	-.197	-.340**	-.288**	-.278**	-.239*	-.766**	-.290**	-.244*	-.264**
38	zCorrectRejectionRate Calm Target	-.834**	-1.000*	-.852**	-.482**	-.315**	-.625**	-.446**	-.454**	-.274**	-.798**	-.364**	-.299**	-.361**
39	zCorrectRejectionRate Emotional Distractor	-.692**	-.852**	-1.000*	-.754**	-.268**	-.801**	-.718**	-.641**	-.362**	-.912**	-.689**	-.551**	-.404**
40	zCorrectRejectionRate Emotional Target	-.334**	-.482**	-.754**	-1.000*	-.545**	-.765**	-.662**	-.812**	-.638**	-.641**	-.715**	-.817**	-.797**
41	zCorrectRejectionRate FearCalm	-.185	-.309**	-.260**	-.550**	-.976**	-.307**	-.180	-.708**	-.176	-.214*	-.170	-.237*	-.738**
42	zCorrectRejectionRate Fear Distractor	-.346**	-.625**	-.801**	-.765**	-.328**	-1.000*	-.473**	-.502**	-.432**	-.521**	-.775**	-.770**	-.503**
43	zCorrectRejectionRate FearHappy	-.263**	-.430**	-.705**	-.654**	-.166	-.445**	-.969**	-.781**	-.197	-.766**	-.351**	-.274**	-.226*
44	zCorrectRejectionRate Fear Target	-.270**	-.454**	-.641**	-.812**	-.691**	-.502**	-.763**	-1.000*	-.286**	-.656**	-.370**	-.380**	-.640**
45	zCorrectRejectionRate HappyCalm	-.248*	-.260**	-.343**	-.632**	-.181	-.404**	-.210*	-.275**	-.979**	-.293**	-.360**	-.793**	-.753**
46	zCorrectRejectionRate Happy Distractor	-.760**	-.798**	-.912**	-.641**	-.210*	-.521**	-.762**	-.656**	-.301**	-1.000*	-.463**	-.377**	-.322**
47	zCorrectRejectionRate HappyFear	-.313**	-.374**	-.693**	-.712**	-.180	-.790**	-.363**	-.351**	-.371**	-.458**	-.983**	-.787**	-.381**
48	zCorrectRejectionRate Happy Target	-.255*	-.299**	-.551**	-.817**	-.245*	-.770**	-.307**	-.380**	-.793**	-.377**	-.776**	-1.000*	-.714**
49	zCorrectRejectionRate NonEmotional Distractor	-.265**	-.361**	-.404**	-.797**	-.728**	-.503**	-.233*	-.640**	-.746**	-.322**	-.384**	-.714**	-1.000*
50	zCorrectRejectionRate NonEmotional Target	-.834**	-1.000*	-.852**	-.482**	-.315**	-.625**	-.446**	-.454**	-.274**	-.798**	-.364**	-.299**	-.361**
51	zFalseAlarmRate Calm Distractor	.265**	.361**	.404**	.797**	.728**	.503**	.233*	.640**	.746**	.322**	.384**	.714**	1.000**
52	zFalseAlarmRate CalmFear	.289**	.657**	.561**	.420**	.352**	.692**	.417**	.443**	.253*	.390**	.194	.269**	.334**
53	zFalseAlarmRate CalmHappy	1	.834**	.692**	.334**	.191	.346**	.288**	.270**	.247*	.760**	.304**	.255*	.265**
54	zFalseAlarmRate Calm Target	.834**	1	.852**	.482**	.315**	.625**	.446**	.454**	.274**	.798**	.364**	.299**	.361**
55	zFalseAlarmRate Emotional Distractor	.692**	.852**	1	.754**	.268**	.801**	.718**	.641**	.362**	.912**	.689**	.551**	.404**
56	zFalseAlarmRate Emotional Target	.334**	.482**	.754**	1	.545**	.765**	.662**	.812**	.638**	.641**	.715**	.817**	.797**

		53	54	55	56	57	58	59	60	61	62	63	64	65
57	zFalseAlarmRate FearCalm	.191	.315**	.268**	.545**	1	.328**	.161	.691**	.184	.210*	.186	.245*	.728**
58	zFalseAlarmRate Fear Distractor	.346**	.625**	.801**	.765**	.328**	1	.473**	.502**	.432**	.521**	.775**	.770**	.503**
59	zFalseAlarmRate FearHappy	.288**	.446**	.718**	.662**	.161	.473**	1	.763**	.218*	.762**	.393**	.307**	.233*
60	zFalseAlarmRate Fear Target	.270**	.454**	.641**	.812**	.691**	.502**	.763**	1	.286**	.656**	.370**	.380**	.640**
61	zFalseAlarmRate HappyCalm	.247*	.274**	.362**	.638**	.184	.432**	.218*	.286**	1	.301**	.375**	.793**	.746**
62	zFalseAlarmRate Happy Distractor	.760**	.798**	.912**	.641**	.210*	.521**	.762**	.656**	.301**	1	.463**	.377**	.322**
63	zFalseAlarmRate HappyFear	.304**	.364**	.689**	.715**	.186	.775**	.393**	.370**	.375**	.463**	1	.776**	.384**
64	zFalseAlarmRate Happy Target	.255*	.299**	.551**	.817**	.245*	.770**	.307**	.380**	.793**	.377**	.776**	1	.714**
65	zFalseAlarmRate NonEmotional Distractor	.265**	.361**	.404**	.797**	.728**	.503**	.233*	.640**	.746**	.322**	.384**	.714**	1
66	zFalseAlarmRate NonEmotional Target	.834**	1.000**	.852**	.482**	.315**	.625**	.446**	.454**	.274**	.798**	.364**	.299**	.361**
67	zHitRate Calm Distractor	.157	.273**	.423**	.378**	.260*	.417**	.248*	.371**	.008	.327**	.408**	.240*	.206*
68	zHitRate CalmFear	.129	.273**	.247*	.159	.117	.316**	.145	.121	.081	.171	.168	.151	.092
69	zHitRate CalmHappy	-.066	-.002	.097	.304**	.171	.353**	.154	.222*	.133	.041	.160	.280**	.200
70	zHitRate Calm Target	.003	.120	.170	.306**	.198	.433**	.199	.248*	.156	.110	.197	.313**	.224*
71	zHitRate Emotional Distractor	.014	.121	.146	.292**	.206*	.396**	.145	.231*	.167	.087	.151	.293**	.252*
72	zHitRate Emotional Target	.152	.262**	.357**	.347**	.211*	.298**	.197	.325**	.083	.297**	.286**	.193	.233*
73	zHitRate FearCalm	.209*	.266**	.356**	.263**	.244*	.294**	.236*	.305**	-.062	.311**	.286**	.125	.124
74	zHitRate Fear Distractor	.068	.223*	.189	.198	.190	.349**	.067	.134	.139	.087	.147	.206*	.206*
75	zHitRate FearHappy	.118	.138	.106	.127	.076	.055	.044	.104	.081	.113	.055	.060	.125
76	zHitRate Fear Target	.162	.242*	.318**	.266**	.176	.222*	.255*	.313**	-.008	.310**	.219*	.111	.142
77	zHitRate HappyCalm	-.001	.125	.249*	.279**	.105	.338**	.065	.181	.059	.122	.296**	.196	.162
78	zHitRate Happy Distractor	.014	.039	.097	.252*	.142	.322**	.114	.183	.132	.059	.122	.258*	.197
79	zHitRate HappyFear	-.030	.045	.059	.164	.123	.135	-.164	.053	.191	-.008	.062	.150	.230*
80	zHitRate Happy Target	-.016	.079	.139	.168	.136	.219*	-.085	.076	.086	.024	.202*	.139	.165
81	zHitRate NonEmotional Distractor	.157	.273**	.423**	.378**	.260*	.417**	.248*	.371**	.008	.327**	.408**	.240*	.206*
82	zHitRate NonEmotional Target	.003	.120	.170	.306**	.198	.433**	.199	.248*	.156	.110	.197	.313**	.224*
83	zMissRate Calm Distractor	-.157	-.273**	-.423**	-.378**	-.260*	-.417**	-.248*	-.371**	-.008	-.327**	-.408**	-.240*	-.206*
84	zMissRate CalmFear	-.129	-.273**	-.247*	-.159	-.117	-.316**	-.145	-.121	-.081	-.171	-.168	-.151	-.092
85	zMissRate CalmHappy	.066	.002	-.097	-.304**	-.171	-.353**	-.154	-.222*	-.133	-.041	-.160	-.280**	-.200

		53	54	55	56	57	58	59	60	61	62	63	64	65
86	zMissRate Calm Target	-.003	-.120	-.170	-.306**	-.198	-.433**	-.199	-.248*	-.156	-.110	-.197	-.313**	-.224*
87	zMissRate Emotional Distractor	-.014	-.121	-.146	-.292**	-.206*	-.396**	-.145	-.231*	-.167	-.087	-.151	-.293**	-.252*
88	zMissRate Emotional Target	-.152	-.262**	-.357**	-.347**	-.211*	-.298**	-.197	-.325**	-.083	-.297**	-.286**	-.193	-.233*
89	zMissRate FearCalm	-.209*	-.266**	-.356**	-.263**	-.244*	-.294**	-.236*	-.305**	.062	-.311**	-.286**	-.125	-.124
90	zMissRate Fear Distractor	-.068	-.223*	-.189	-.198	-.190	-.349**	-.067	-.134	-.139	-.087	-.147	-.206*	-.206*
91	zMissRate FearHappy	-.118	-.138	-.106	-.127	-.076	-.055	-.044	-.104	-.081	-.113	-.055	-.060	-.125
92	zMissRate Fear Target	-.162	-.242*	-.318**	-.266**	-.176	-.222*	-.255*	-.313**	.008	-.310**	-.219*	-.111	-.142
93	zMissRate HappyCalm	.001	-.125	-.249*	-.279**	-.105	-.338**	-.065	-.181	-.059	-.122	-.296**	-.196	-.162
94	zMissRate Happy Distractor	-.014	-.039	-.097	-.252*	-.142	-.322**	-.114	-.183	-.132	-.059	-.122	-.258*	-.197
95	zMissRate HappyFear	.030	-.045	-.059	-.164	-.123	-.135	.164	-.053	-.191	.008	-.062	-.150	-.230*
96	zMissRate Happy Target	.016	-.079	-.139	-.168	-.136	-.219*	.085	-.076	-.086	-.024	-.202*	-.139	-.165
97	zMissRate NonEmotional Distractor	-.157	-.273**	-.423**	-.378**	-.260*	-.417**	-.248*	-.371**	-.008	-.327**	-.408**	-.240*	-.206*
98	zMissRate NonEmotional Target	-.003	-.120	-.170	-.306**	-.198	-.433**	-.199	-.248*	-.156	-.110	-.197	-.313**	-.224*
99	zRT AllRuns Hits	-.288**	-.431**	-.524**	-.481**	-.265**	-.463**	-.362**	-.400**	-.279**	-.438**	-.389**	-.396**	-.357**
100	zRT Calm Distractor Hits	-.267**	-.383**	-.481**	-.442**	-.260**	-.410**	-.300**	-.357**	-.261**	-.394**	-.380**	-.369**	-.335**
101	zRT Calm Target Hits	-.298**	-.473**	-.539**	-.492**	-.282**	-.493**	-.405**	-.414**	-.317**	-.460**	-.359**	-.410**	-.374**
102	zRT Emotional Distractor Hits	-.290**	-.445**	-.535**	-.495**	-.276**	-.487**	-.388**	-.416**	-.287**	-.450**	-.388**	-.408**	-.364**
103	zRT Emotional Target Hits	-.271**	-.398**	-.502**	-.459**	-.250*	-.430**	-.328**	-.378**	-.250*	-.414**	-.395**	-.374**	-.332**
104	zRT Fear Distractor Hits	-.253*	-.432**	-.519**	-.483**	-.264**	-.457**	-.404**	-.427**	-.266**	-.440**	-.359**	-.398**	-.349**
105	zRT Fear Target Hits	-.302**	-.423**	-.540**	-.524**	-.270**	-.471**	-.340**	-.408**	-.267**	-.443**	-.434**	-.412**	-.371**
106	zRT Happy Distractor Hits	-.313**	-.445**	-.530**	-.487**	-.274**	-.491**	-.353**	-.387**	-.302**	-.440**	-.397**	-.419**	-.368**
107	zRT Happy Target Hits	-.237*	-.373**	-.472**	-.421**	-.224*	-.397**	-.307**	-.347**	-.228*	-.384**	-.358**	-.332**	-.295**
108	zRT Hits Calm	-.296**	-.439**	-.523**	-.479**	-.273**	-.462**	-.363**	-.397**	-.296**	-.439**	-.376**	-.397**	-.366**
109	ZRT Hits CalmFear	-.257*	-.453**	-.517**	-.495**	-.258*	-.433**	-.429**	-.436**	-.289**	-.448**	-.306**	-.377**	-.351**
110	ZRT Hits CalmHappy	-.327**	-.450**	-.503**	-.467**	-.289**	-.509**	-.320**	-.353**	-.316**	-.405**	-.363**	-.424**	-.372**
111	zRT Hits Fear	-.288**	-.433**	-.533**	-.491**	-.266**	-.458**	-.382**	-.421**	-.262**	-.452**	-.398**	-.390**	-.355**
112	ZRT Hits FearCalm	-.315**	-.412**	-.531**	-.522**	-.298**	-.468**	-.323**	-.400**	-.267**	-.435**	-.438**	-.421**	-.378**
113	ZRT Hits FearHappy	-.279**	-.412**	-.521**	-.496**	-.243*	-.454**	-.341**	-.389**	-.249*	-.424**	-.410**	-.381**	-.333**
114	zRT Hits Happy	-.287**	-.416**	-.515**	-.477**	-.263**	-.462**	-.337**	-.385**	-.277**	-.425**	-.399**	-.400**	-.355**

	53	54	55	56	57	58	59	60	61	62	63	64	65
115 ZRT Hits HappyCalm	-.202*	-.330**	-.408**	-.374**	-.228*	-.359**	-.229*	-.288**	-.250*	-.312**	-.314**	-.314**	-.296**
116 ZRT Hits HappyFear	-.232*	-.379**	-.494**	-.471**	-.250*	-.481**	-.340**	-.388**	-.237*	-.404**	-.389**	-.414**	-.335**
117 zRT Hits	-.288**	-.431**	-.524**	-.481**	-.265**	-.463**	-.362**	-.400**	-.279**	-.438**	-.389**	-.396**	-.357**
118 zRT Nonemotional Distractor Hits	-.267**	-.383**	-.481**	-.442**	-.260**	-.410**	-.300**	-.357**	-.261**	-.394**	-.380**	-.369**	-.335**
119 zRT Nonemotional Target Hits	-.298**	-.473**	-.539**	-.492**	-.282**	-.493**	-.405**	-.414**	-.317**	-.460**	-.359**	-.410**	-.374**
120 Zero Complement Presented Framing Index	-.053	-.113	-.074	-.124	-.082	-.190	.120	.028	-.195	.040	-.120	-.207*	-.223*
121 Zero Complement Presented Gain Lives Risky Choices	-.021	-.022	-.072	-.028	.064	-.019	-.154	-.093	.103	-.084	.016	.048	.070
122 Zero Complement Presented Gain Lives Signed Confidence	-.010	.000	-.025	-.003	.018	.043	-.118	-.102	.116	-.060	.074	.082	.053
123 Zero Complement Presented Gain Risky Choices	-.001	-.008	-.069	-.030	.004	-.007	-.170	-.109	.118	-.086	-.006	.051	.086
124 Zero Complement Presented Gain Money Risky Choices	.019	.008	-.047	-.024	-.056	.007	-.134	-.092	.097	-.063	-.026	.039	.076
125 Zero Complement Presented Gain Money Signed Confidence	.018	.001	-.047	-.034	-.083	.002	-.123	-.105	.094	-.063	-.034	.031	.058
126 Zero Complement Presented Gain Signed Confidence	.006	.001	-.042	-.023	-.041	.025	-.140	-.120	.121	-.071	.019	.064	.065
127 Zero Complement Presented Lives Framing Index	-.053	-.113	-.074	-.124	-.082	-.190	.120	.028	-.195	.040	-.120	-.207*	-.223*
128 Zero Complement Presented Lives Signed Confidence Framing Index	-.025	-.081	-.043	-.074	-.014	-.155	.115	.068	-.170	.062	-.067	-.158	-.160
129 Zero Complement Presented Loss Lives Risky Choices	.091	.033	.039	-.084	-.082	-.108	.131	.014	-.110	.147	-.063	-.147	-.165
130 Zero Complement Presented Loss Lives Signed Confidence	.107	.071	.088	-.016	-.007	-.012	.145	.066	-.110	.157	.025	-.083	-.103
131 Zero Complement Presented Loss Risky Choices	.034	-.044	-.047	-.138	-.129	-.175	.077	-.026	-.130	.078	-.125	-.191	-.192
132 Zero Complement Presented Loss Money Risky Choices	-.039	-.119	-.131	-.164	-.148	-.206*	-.004	-.064	-.119	-.020	-.162	-.192	-.172
133 Zero Complement Presented Loss Money Signed Confidence	-.010	-.092	-.099	-.122	-.103	-.177	.001	-.032	-.097	.005	-.114	-.149	-.123
134 Zero Complement Presented Loss Signed Confidence	.055	-.012	-.007	-.078	-.062	-.107	.082	.019	-.117	.090	-.050	-.131	-.127

		53	54	55	56	57	58	59	60	61	62	63	64	65
135	Zero Complement Presented Money Framing Index	-.053	-.113	-.074	-.124	-.082	-.190	.120	.028	-.195	.040	-.120	-.207*	-.223*
136	Zero Complement Presented Money Signed Confidence Framing Index	-.025	-.081	-.043	-.074	-.014	-.155	.115	.068	-.170	.062	-.067	-.158	-.160
137	Zero Complement Presented Signed Confidence Framing Index	-.025	-.081	-.043	-.074	-.014	-.155	.115	.068	-.170	.062	-.067	-.158	-.160
138	Framing Index	.188	.133	.219*	.141	-.006	.061	.294**	.223*	-.060	.291**	.094	-.044	-.042
139	Gain Lives Risky Choices	-.065	-.048	-.086	-.086	.009	-.017	-.137	-.127	.015	-.095	-.039	-.013	-.045
140	Gain Lives Signed Confidence	-.030	-.008	-.039	-.058	.009	.025	-.110	-.114	.032	-.058	.007	.013	-.032
141	Gain Risky Choices	-.049	-.060	-.133	-.158	-.053	-.107	-.174	-.166	-.017	-.114	-.129	-.090	-.068
142	Gain Money Risky Choices	-.018	-.053	-.139	-.180	-.098	-.164	-.156	-.154	-.043	-.098	-.179	-.139	-.070
143	Gain Money Signed Confidence	-.026	-.050	-.135	-.197	-.114	-.170	-.152	-.163	-.066	-.097	-.197	-.161	-.098
144	Gain Signed Confidence	-.033	-.037	-.108	-.158	-.069	-.096	-.156	-.166	-.026	-.093	-.123	-.097	-.080
145	Both Complements Presented Framing Index	.174	.104	.175	.165	.037	.101	.196	.190	-.022	.202*	.129	.037	.041
146	Both Complements Presented Gain Lives Risky Choices	-.054	-.016	-.055	-.066	.027	.040	-.150	-.130	.054	-.098	-.017	.025	-.014
147	Both Complements Presented Gain Lives Signed Confidence	-.047	-.007	-.037	-.051	.039	.045	-.134	-.117	.062	-.080	.009	.031	-.004
148	Both Complements Presented Gain Risky Choices	-.033	-.004	-.083	-.146	-.037	-.059	-.164	-.161	.002	-.086	-.132	-.088	-.061
149	Both Complements Presented Gain Money Risky Choices	.001	.011	-.085	-.183	-.093	-.149	-.122	-.138	-.056	-.043	-.213*	-.181	-.091
150	Both Complements Presented Gain Money Signed Confidence	-.015	.009	-.079	-.176	-.107	-.144	-.106	-.135	-.047	-.042	-.203*	-.176	-.096
151	Both Complements Presented Gain Signed Confidence	-.036	.001	-.068	-.134	-.041	-.057	-.142	-.149	.009	-.072	-.114	-.085	-.059
152	Both Complements Presented Lives Framing Index	.164	.184	.217*	.146	.040	.098	.215*	.220*	-.070	.232*	.069	-.047	.044
153	Both Complements Presented Lives Signed Confidence Framing Index	.152	.115	.203*	.185	.046	.116	.165	.199*	-.063	.206*	.178	.040	.068
154	Both Complements Presented Loss Lives Risky Choices	.088	.142	.133	.062	.060	.122	.032	.063	-.008	.105	.043	-.016	.025
155	Both Complements Presented Loss Lives Signed Confidence	.081	.087	.131	.104	.073	.135	.007	.055	.005	.095	.152	.061	.051

		53	54	55	56	57	58	59	60	61	62	63	64	65
156	Both Complements Presented Loss Risky Choices	.126	.094	.079	.018	.011	.044	.007	.020	-.007	.094	.000	-.033	.000
157	Both Complements Presented Loss Money Risky Choices	.112	.000	-.009	-.050	-.070	-.068	-.010	-.035	-.025	.057	-.063	-.069	-.066
158	Both Complements Presented Loss Money Signed Confidence	.104	.002	.003	-.037	-.077	-.034	-.022	-.037	-.033	.055	-.021	-.045	-.063
159	Both Complements Presented Loss Signed Confidence	.111	.059	.082	.046	.009	.067	-.011	.014	-.009	.086	.083	.019	.008
160	Both Complements Presented Money Framing Index	.101	-.037	.059	.104	-.018	.043	.123	.089	.003	.104	.118	.072	-.028
161	Both Complements Presented Money Signed Confidence Framing Index	.104	-.037	.068	.119	-.010	.081	.101	.092	-.016	.102	.163	.100	-.021
162	Both Complements Presented Signed Confidence Framing Index	.168	.059	.172	.197	.041	.133	.158	.181	-.034	.189	.221*	.104	.052
163	Money Framing Index	.096	.011	.094	.096	-.004	.028	.212*	.154	-.042	.173	.051	-.015	-.066
164	Money Risky Choices	.025	-.051	-.104	-.146	-.105	-.160	-.068	-.091	-.066	-.023	-.166	-.155	-.106
165	Money Signed Confidence Framing Index	.114	.034	.130	.160	.035	.099	.197	.173	.005	.180	.158	.080	.005
166	Money Signed Confidence	.025	-.041	-.093	-.150	-.114	-.148	-.081	-.105	-.074	-.025	-.151	-.147	-.111
167	Nonzero Complement Presented Framing Index	.194	.218*	.281**	.238*	.064	.202*	.239*	.212*	.113	.271**	.189	.092	.108
168	Nonzero Complement Presented Gain Lives Risky Choices	-.087	-.084	-.092	-.121	-.061	-.069	-.049	-.097	-.111	-.059	-.093	-.102	-.160
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.020	-.013	-.039	-.093	-.032	-.021	-.035	-.076	-.086	-.011	-.057	-.072	-.125
170	Nonzero Complement Presented Gain Risky Choices	-.092	-.141	-.192	-.227*	-.102	-.211*	-.124	-.162	-.153	-.125	-.190	-.189	-.193
171	Nonzero Complement Presented Gain Money Risky Choices	-.064	-.149	-.225*	-.254*	-.107	-.277**	-.156	-.171	-.142	-.147	-.221*	-.210*	-.158
172	Nonzero Complement Presented Gain Money Signed Confidence	-.055	-.112	-.196	-.265**	-.108	-.258*	-.162	-.176	-.170	-.131	-.248*	-.236*	-.178
173	Nonzero Complement Presented Gain Signed Confidence	-.050	-.087	-.160	-.238*	-.094	-.198	-.134	-.165	-.165	-.100	-.207*	-.206*	-.190
174	Nonzero Complement Presented Lives Framing Index	.160	.195	.242*	.167	.032	.139	.155	.129	.093	.204*	.196	.059	.089

		53	54	55	56	57	58	59	60	61	62	63	64	65
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.107	.142	.196	.179	.049	.137	.131	.135	.094	.147	.178	.083	.113
176	Nonzero Complement Presented Loss Lives Risky Choices	.081	.106	.150	.060	-.019	.055	.100	.053	-.009	.152	.102	-.035	-.046
177	Nonzero Complement Presented Loss Lives Signed Confidence	.084	.112	.148	.090	.020	.090	.087	.073	.007	.138	.111	.007	-.002
178	Nonzero Complement Presented Loss Risky Choices	.097	.068	.086	.024	-.027	-.012	.098	.063	-.034	.144	.004	-.083	-.064
179	Nonzero Complement Presented Loss Money Risky Choices	.090	.014	-.007	-.025	-.028	-.072	.073	.050	-.052	.090	-.104	-.112	-.068
180	Nonzero Complement Presented Loss Money Signed Confidence	.111	.030	.015	-.025	-.059	-.048	.046	.016	-.047	.091	-.053	-.077	-.074
181	Nonzero Complement Presented Loss Signed Confidence	.110	.076	.093	.039	-.021	.017	.074	.057	-.024	.135	.031	-.042	-.043
182	Nonzero Complement Presented Money Framing Index	.157	.160	.214*	.223*	.078	.196	.238*	.220*	.085	.238*	.108	.089	.084
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.149	.144	.223*	.266**	.070	.240*	.217*	.202*	.145	.215*	.225*	.192	.131
184	Nonzero Complement Presented Signed Confidence Framing Index	.158	.178	.259*	.277**	.073	.242*	.221*	.206*	.152	.222*	.251*	.178	.151

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		66	67	68	69	70	71	72	73	74	75	76	77	78
1	Criterion													
2	Criterion Calm Distractor	-.616**	-.497**	-.558**	-.577**	-.680**	-.710**	-.557**	-.443**	-.577**	-.344**	-.469**	-.356**	-.567**
3	Criterion CalmFear	-.413**	-.717**	-.186	-.195	-.268**	-.295**	-.607**	-.604**	-.257*	-.119	-.502**	-.422**	-.223*
4	Criterion CalmHappy	-.568**	-.255*	-.806**	-.311**	-.650**	-.599**	-.196	-.208*	-.737**	-.122	-.182	-.189	-.275**
5	Criterion Calm Target	-.621**	-.185	-.253*	-.670**	-.561**	-.565**	-.273**	-.211*	-.258*	-.289**	-.266**	-.106	-.659**
6	Criterion Emotional Distractor	-.736**	-.307**	-.652**	-.560**	-.760**	-.722**	-.320**	-.271**	-.619**	-.234*	-.297**	-.202*	-.518**
7	Criterion Emotional Target	-.652**	-.415**	-.582**	-.580**	-.726**	-.746**	-.496**	-.345**	-.597**	-.346**	-.433**	-.300**	-.594**
8	Criterion FearCalm	-.469**	-.667**	-.190	-.324**	-.324**	-.408**	-.766**	-.567**	-.271**	-.405**	-.646**	-.449**	-.390**
9	Criterion Fear Distractor	-.372**	-.667**	-.162	-.143	-.206*	-.225*	-.531**	-.718**	-.185	-.115	-.564**	-.140	-.179
10	Criterion FearHappy	-.533**	-.382**	-.725**	-.409**	-.707**	-.690**	-.340**	-.252*	-.792**	-.131	-.218*	-.377**	-.387**
11	Criterion Fear Target	-.426**	-.237*	-.160	-.267**	-.254*	-.324**	-.480**	-.261*	-.121	-.570**	-.541**	-.073	-.371**
12	Criterion HappyCalm	-.440**	-.644**	-.153	-.259*	-.280**	-.345**	-.712**	-.659**	-.162	-.415**	-.773**	-.199	-.354**
13	Criterion Happy Distractor	-.282**	-.197	-.121	-.169	-.196	-.221*	-.255*	.040	-.218*	-.101	-.029	-.461**	-.168
14	Criterion HappyFear	-.590**	-.328**	-.248*	-.641**	-.559**	-.606**	-.485**	-.324**	-.262**	-.442**	-.493**	-.173	-.708**
15	Criterion Happy Target	-.341**	-.441**	-.135	-.187	-.183	-.237*	-.472**	-.255*	-.265**	-.131	-.246*	-.457**	-.186
16	Criterion NonEmotional Distractor	-.283**	-.407**	-.198	-.274**	-.315**	-.365**	-.441**	-.162	-.344**	-.127	-.189	-.512**	-.282**
17	Criterion NonEmotional Target	-.413**	-.717**	-.186	-.195	-.268**	-.295**	-.607**	-.604**	-.257*	-.119	-.502**	-.422**	-.223*
18	DPrime	-.736**	-.307**	-.652**	-.560**	-.760**	-.722**	-.320**	-.271**	-.619**	-.234*	-.297**	-.202*	-.518**
19	DPrime Calm Distractor	-.523**	.081	.363**	.482**	.539**	.610**	.248*	.077	.428**	.275**	.220*	.130	.521**
20	DPrime CalmFear	-.124	.519**	.062	-.112	-.064	-.079	.338**	.495**	-.044	-.074	.368**	.237*	-.071
21	DPrime CalmHappy	-.334**	.004	.610**	-.019	.314**	.266**	-.022	-.009	.522**	.014	-.032	.082	-.047
22	DPrime Calm Target	-.592**	-.057	.064	.711**	.517**	.501**	.029	-.108	.157	.095	.006	.097	.587**
23	DPrime Emotional Distractor	-.646**	-.056	.415**	.601**	.680**	.636**	-.026	-.088	.447**	.060	-.023	.043	.526**
24	DPrime Emotional Target	-.573**	-.178	.325**	.509**	.575**	.637**	.017	-.153	.446**	.231*	.006	-.039	.538**
25	DPrime FearCalm	-.273**	.212*	-.042	-.131	-.135	.011	.411**	.264**	.000	.305**	.399**	.093	.063
26	DPrime Fear Distractor	-.089	.393**	.036	-.085	-.054	-.053	.307**	.489**	-.075	.013	.406**	.012	-.008
27	DPrime FearHappy	-.404**	-.233*	.440**	-.081	.205*	.250*	-.070	-.184	.482**	.084	-.103	-.096	-.048
28	DPrime Fear Target	-.297**	-.195	-.051	.026	-.037	.118	.131	-.158	.056	.500**	.098	-.033	.203*
		-.229*	.204*	-.012	-.053	-.071	.050	.382**	.345**	-.023	.379**	.488**	-.060	.151

		66	67	68	69	70	71	72	73	74	75	76	77	78
29	DPrime HappyCalm	-.188	.251*	.033	-.049	-.054	-.056	.148	.130	.008	-.070	.086	.371**	-.063
30	DPrime Happy Distractor	-.570**	-.142	.011	.630**	.428**	.512**	.069	-.121	.159	.296**	.059	.002	.663**
31	DPrime HappyFear	-.317**	-.260**	-.152	-.123	-.174	-.044	-.033	-.241*	.027	-.005	-.149	-.060	-.072
32	DPrime Happy Target	-.237*	.013	-.062	-.211*	-.226*	-.133	.139	-.055	.010	.027	.007	.213*	-.162
33	DPrime NonEmotional Distractor	-.124	.519**	.062	-.112	-.064	-.079	.338**	.495**	-.044	-.074	.368**	.237*	-.071
34	DPrime NonEmotional Target	-.646**	-.056	.415**	.601**	.680**	.636**	-.026	-.088	.447**	.060	-.023	.043	.526**
35	zCorrectRejectionRate Calm Distractor	-.361**	-.206*	-.092	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125	-.142	-.162	-.197
36	zCorrectRejectionRate CalmFear	-.662**	-.204*	-.285**	-.257*	-.337**	-.324**	-.172	-.174	-.282**	-.090	-.167	-.104	-.252*
37	zCorrectRejectionRate CalmHappy	-.837**	-.165	-.131	.054	-.011	-.024	-.163	-.217*	-.070	-.125	-.175	-.003	-.027
38	zCorrectRejectionRate Calm Target	-1.000*	-.273**	-.273**	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138	-.242*	-.125	-.039
39	zCorrectRejectionRate Emotional Distractor	-.852**	-.423**	-.247*	-.097	-.170	-.146	-.357**	-.356**	-.189	-.106	-.318**	-.249*	-.097
40	zCorrectRejectionRate Emotional Target	-.482**	-.378**	-.159	-.304**	-.306**	-.292**	-.347**	-.263**	-.198	-.127	-.266**	-.279**	-.252*
41	zCorrectRejectionRate FearCalm	-.309**	-.243*	-.092	-.148	-.174	-.186	-.197	-.229*	-.171	-.073	-.164	-.091	-.129
42	zCorrectRejectionRate Fear Distractor	-.625**	-.417**	-.316**	-.353**	-.433**	-.396**	-.298**	-.294**	-.349**	-.055	-.222*	-.338**	-.322**
43	zCorrectRejectionRate FearHappy	-.430**	-.256*	-.127	-.147	-.176	-.128	-.216*	-.249*	-.041	-.058	-.272**	-.064	-.109
44	zCorrectRejectionRate Fear Target	-.454**	-.371**	-.121	-.222*	-.248*	-.231*	-.325**	-.305**	-.134	-.104	-.313**	-.181	-.183
45	zCorrectRejectionRate HappyCalm	-.260**	.024	-.047	-.121	-.139	-.154	-.064	.092	-.119	-.093	.030	-.059	-.128
46	zCorrectRejectionRate Happy Distractor	-.798**	-.327**	-.171	-.041	-.110	-.087	-.297**	-.311**	-.087	-.113	-.310**	-.122	-.059
47	zCorrectRejectionRate HappyFear	-.374**	-.401**	-.160	-.177	-.203*	-.163	-.293**	-.276**	-.140	-.075	-.226*	-.300**	-.148
48	zCorrectRejectionRate Happy Target	-.299**	-.240*	-.151	-.280**	-.313**	-.293**	-.193	-.125	-.206*	-.060	-.111	-.196	-.258*
49	zCorrectRejectionRate NonEmotional Distractor	-.361**	-.206*	-.092	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125	-.142	-.162	-.197
50	zCorrectRejectionRate NonEmotional Target	-1.000*	-.273**	-.273**	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138	-.242*	-.125	-.039
51	zFalseAlarmRate Calm Distractor	.361**	.206*	.092	.200	.224*	.252*	.233*	.124	.206*	.125	.142	.162	.197
52	zFalseAlarmRate CalmFear	.657**	.193	.286**	.241*	.331**	.313**	.150	.168	.278**	.073	.151	.094	.232*
53	zFalseAlarmRate CalmHappy	.834**	.157	.129	-.066	.003	.014	.152	.209*	.068	.118	.162	-.001	.014
54	zFalseAlarmRate Calm Target	1.000**	.273**	.273**	-.002	.120	.121	.262**	.266**	.223*	.138	.242*	.125	.039
55	zFalseAlarmRate Emotional Distractor	.852**	.423**	.247*	.097	.170	.146	.357**	.356**	.189	.106	.318**	.249*	.097
56	zFalseAlarmRate Emotional Target	.482**	.378**	.159	.304**	.306**	.292**	.347**	.263**	.198	.127	.266**	.279**	.252*

		66	67	68	69	70	71	72	73	74	75	76	77	78
57	zFalseAlarmRate FearCalm	.315**	.260*	.117	.171	.198	.206*	.211*	.244*	.190	.076	.176	.105	.142
58	zFalseAlarmRate Fear Distractor	.625**	.417**	.316**	.353**	.433**	.396**	.298**	.294**	.349**	.055	.222*	.338**	.322**
59	zFalseAlarmRate FearHappy	.446**	.248*	.145	.154	.199	.145	.197	.236*	.067	.044	.255*	.065	.114
60	zFalseAlarmRate Fear Target	.454**	.371**	.121	.222*	.248*	.231*	.325**	.305**	.134	.104	.313**	.181	.183
61	zFalseAlarmRate HappyCalm	.274**	.008	.081	.133	.156	.167	.083	-.062	.139	.081	-.008	.059	.132
62	zFalseAlarmRate Happy Distractor	.798**	.327**	.171	.041	.110	.087	.297**	.311**	.087	.113	.310**	.122	.059
63	zFalseAlarmRate HappyFear	.364**	.408**	.168	.160	.197	.151	.286**	.286**	.147	.055	.219*	.296**	.122
64	zFalseAlarmRate Happy Target	.299**	.240*	.151	.280**	.313**	.293**	.193	.125	.206*	.060	.111	.196	.258*
65	zFalseAlarmRate NonEmotional Distractor	.361**	.206*	.092	.200	.224*	.252*	.233*	.124	.206*	.125	.142	.162	.197
66	zFalseAlarmRate NonEmotional Target	1	.273**	.273**	-.002	.120	.121	.262**	.266**	.223*	.138	.242*	.125	.039
67	zHitRate Calm Distractor	.273**	1	.208*	.090	.189	.202*	.774**	.885**	.194	.049	.703**	.544**	.145
68	zHitRate CalmFear	.273**	.208*	1	.242*	.751**	.664**	.144	.163	.895**	.105	.126	.206*	.198
69	zHitRate CalmHappy	-.002	.090	.242*	1	.801**	.778**	.218*	.068	.312**	.276**	.196	.151	.911**
70	zHitRate Calm Target	.120	.189	.751**	.801**	1	.943**	.217*	.140	.754**	.210*	.203*	.177	.722**
71	zHitRate Emotional Distractor	.121	.202*	.664**	.778**	.943**	1	.394**	.159	.767**	.417**	.338**	.207*	.817**
72	zHitRate Emotional Target	.262**	.774**	.144	.218*	.217*	.394**	1	.698**	.258*	.578**	.878**	.487**	.412**
73	zHitRate FearCalm	.266**	.885**	.163	.068	.140	.159	.698**	1	.104	.106	.800**	.123	.155
74	zHitRate Fear Distractor	.223*	.194	.895**	.312**	.754**	.767**	.258*	.104	1	.166	.129	.281**	.314**
75	zHitRate FearHappy	.138	.049	.105	.276**	.210*	.417**	.578**	.106	.166	1	.608**	.040	.540**
76	zHitRate Fear Target	.242*	.703**	.126	.196	.203*	.338**	.878**	.800**	.129	.608**	1	.137	.411**
77	zHitRate HappyCalm	.125	.544**	.206*	.151	.177	.207*	.487**	.123	.281**	.040	.137	1	.131
78	zHitRate Happy Distractor	.039	.145	.198	.911**	.722**	.817**	.412**	.155	.314**	.540**	.411**	.131	1
79	zHitRate HappyFear	.045	.211*	-.027	.086	.026	.238*	.489**	.009	.332**	.144	.115	.433**	.142
80	zHitRate Happy Target	.079	.453**	.150	.095	.123	.267**	.610**	.120	.378**	.164	.212*	.758**	.149
81	zHitRate NonEmotional Distractor	.273**	1.000**	.208*	.090	.189	.202*	.774**	.885**	.194	.049	.703**	.544**	.145
82	zHitRate NonEmotional Target	.120	.189	.751**	.801**	1.000**	.943**	.217*	.140	.754**	.210*	.203*	.177	.722**
83	zMissRate Calm Distractor	-.273**	-1.000*	-.208*	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049	-.703**	-.544**	-.145
84	zMissRate CalmFear	-.273**	-.208*	-1.000*	-.242*	-.751**	-.664**	-.144	-.163	-.895**	-.105	-.126	-.206*	-.198
85	zMissRate CalmHappy	.002	-.090	-.242*	-1.000*	-.801**	-.778**	-.218*	-.068	-.312**	-.276**	-.196	-.151	-.911**

		66	67	68	69	70	71	72	73	74	75	76	77	78
86	zMissRate Calm Target	-.120	-.189	-.751**	-.801**	-1.000*	-.943**	-.217*	-.140	-.754**	-.210*	-.203*	-.177	-.722**
87	zMissRate Emotional Distractor	-.121	-.202*	-.664**	-.778**	-.943**	-1.000*	-.394**	-.159	-.767**	-.417**	-.338**	-.207*	-.817**
88	zMissRate Emotional Target	-.262**	-.774**	-.144	-.218*	-.217*	-.394**	-1.000*	-.698**	-.258*	-.578**	-.878**	-.487**	-.412**
89	zMissRate FearCalm	-.266**	-.885**	-.163	-.068	-.140	-.159	-.698**	-1.000*	-.104	-.106	-.800**	-.123	-.155
90	zMissRate Fear Distractor	-.223*	-.194	-.895**	-.312**	-.754**	-.767**	-.258*	-.104	-1.000*	-.166	-.129	-.281**	-.314**
91	zMissRate FearHappy	-.138	-.049	-.105	-.276**	-.210*	-.417**	-.578**	-.106	-.166	-1.000*	-.608**	-.040	-.540**
92	zMissRate Fear Target	-.242*	-.703**	-.126	-.196	-.203*	-.338**	-.878**	-.800**	-.129	-.608**	-1.000*	-.137	-.411**
93	zMissRate HappyCalm	-.125	-.544**	-.206*	-.151	-.177	-.207*	-.487**	-.123	-.281**	-.040	-.137	-1.000*	-.131
94	zMissRate Happy Distractor	-.039	-.145	-.198	-.911**	-.722**	-.817**	-.412**	-.155	-.314**	-.540**	-.411**	-.131	-1.000*
95	zMissRate HappyFear	-.045	-.211*	.027	-.086	-.026	-.238*	-.489**	-.009	-.332**	-.144	-.115	-.433**	-.142
96	zMissRate Happy Target	-.079	-.453**	-.150	-.095	-.123	-.267**	-.610**	-.120	-.378**	-.164	-.212*	-.758**	-.149
97	zMissRate NonEmotional Distractor	-.273**	-1.000*	-.208*	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049	-.703**	-.544**	-.145
98	zMissRate NonEmotional Target	-.120	-.189	-.751**	-.801**	-1.000*	-.943**	-.217*	-.140	-.754**	-.210*	-.203*	-.177	-.722**
99	zRT AllRuns Hits	-.431**	-.458**	-.296**	-.065	-.207*	-.201*	-.364**	-.465**	-.257*	-.067	-.379**	-.069	-.106
100	zRT Calm Distractor Hits	-.383**	-.479**	-.214*	.013	-.108	-.108	-.368**	-.476**	-.180	-.038	-.375**	-.077	-.036
101	zRT Calm Target Hits	-.473**	-.399**	-.395**	-.146	-.319**	-.301**	-.322**	-.451**	-.331**	-.090	-.363**	-.027	-.165
102	zRT Emotional Distractor Hits	-.445**	-.438**	-.335**	-.109	-.260**	-.250*	-.351**	-.463**	-.295**	-.077	-.371**	-.062	-.143
103	zRT Emotional Target Hits	-.398**	-.473**	-.238*	-.014	-.141	-.137	-.374**	-.460**	-.207*	-.051	-.373**	-.094	-.060
104	zRT Fear Distractor Hits	-.432**	-.468**	-.328**	-.107	-.289**	-.269**	-.365**	-.483**	-.294**	-.067	-.386**	-.076	-.142
105	zRT Fear Target Hits	-.423**	-.467**	-.229*	-.037	-.154	-.162	-.402**	-.454**	-.209*	-.101	-.393**	-.081	-.091
106	zRT Happy Distractor Hits	-.445**	-.397**	-.326**	-.128	-.259*	-.252*	-.329**	-.429**	-.282**	-.086	-.349**	-.040	-.163
107	zRT Happy Target Hits	-.373**	-.490**	-.240*	.009	-.119	-.108	-.369**	-.463**	-.207*	-.005	-.350**	-.137	-.027
108	zRT Hits Calm	-.439**	-.452**	-.310**	-.069	-.217*	-.210*	-.357**	-.474**	-.263**	-.070	-.383**	-.050	-.110
109	ZRT Hits CalmFear	-.453**	-.422**	-.367**	-.111	-.322**	-.308**	-.362**	-.474**	-.311**	-.135	-.407**	.025	-.153
110	ZRT Hits CalmHappy	-.450**	-.352**	-.345**	-.192	-.305**	-.293**	-.266**	-.404**	-.305**	-.034	-.290**	-.018	-.216*
111	zRT Hits Fear	-.433**	-.470**	-.281**	-.054	-.198	-.195	-.384**	-.473**	-.248*	-.088	-.399**	-.073	-.099
112	ZRT Hits FearCalm	-.412**	-.489**	-.175	-.026	-.117	-.130	-.398**	-.490**	-.165	-.064	-.395**	-.056	-.076
113	ZRT Hits FearHappy	-.412**	-.416**	-.257*	-.046	-.174	-.180	-.380**	-.409**	-.230*	-.123	-.368**	-.069	-.103
114	zRT Hits Happy	-.416**	-.459**	-.272**	-.061	-.187	-.182	-.359**	-.457**	-.240*	-.050	-.365**	-.082	-.100

		66	67	68	69	70	71	72	73	74	75	76	77	78
115	ZRT Hits HappyCalm	-.330**	-.443**	-.260*	.032	-.110	-.105	-.336**	-.430**	-.232*	-.012	-.324**	-.108	-.010
116	ZRT Hits HappyFear	-.379**	-.485**	-.259*	-.092	-.235*	-.210*	-.354**	-.452**	-.261*	.009	-.334**	-.148	-.112
117	zRT Hits	-.431**	-.458**	-.296**	-.065	-.207*	-.201*	-.364**	-.465**	-.257*	-.067	-.379**	-.069	-.106
118	zRT Nonemotional Distractor Hits	-.383**	-.479**	-.214*	.013	-.108	-.108	-.368**	-.476**	-.180	-.038	-.375**	-.077	-.036
119	zRT Nonemotional Target Hits	-.473**	-.399**	-.395**	-.146	-.319**	-.301**	-.322**	-.451**	-.331**	-.090	-.363**	-.027	-.165
120	Zero Complement Presented Framing Index	-.113	-.007	-.114	-.115	-.100	-.130	-.046	.000	-.163	-.061	-.023	-.094	-.108
121	Zero Complement Presented Gain Lives Risky Choices	-.022	-.013	-.170	-.002	-.073	-.040	-.002	-.055	-.089	-.006	-.079	.112	-.002
122	Zero Complement Presented Gain Lives Signed Confidence	.000	-.034	-.158	-.016	-.071	-.039	-.022	-.060	-.069	-.032	-.091	.095	-.016
123	Zero Complement Presented Gain Risky Choices	-.008	-.030	-.154	-.005	-.074	-.016	.016	-.065	-.065	.054	-.029	.090	.022
124	Zero Complement Presented Gain Money Risky Choices	.008	-.038	-.091	-.006	-.054	.013	.029	-.055	-.022	.097	.028	.042	.038
125	Zero Complement Presented Gain Money Signed Confidence	.001	-.030	-.113	-.048	-.089	-.015	.036	-.039	-.035	.087	.038	.052	.012
126	Zero Complement Presented Gain Signed Confidence	.001	-.037	-.156	-.038	-.093	-.030	.010	-.057	-.059	.036	-.026	.083	-.001
127	Zero Complement Presented Lives Framing Index	-.113	-.007	-.114	-.115	-.100	-.130	-.046	.000	-.163	-.061	-.023	-.094	-.108
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.081	.025	-.089	-.089	-.070	-.108	-.029	.019	-.147	-.059	-.019	-.091	-.100
129	Zero Complement Presented Loss Lives Risky Choices	.033	-.056	-.167	-.054	-.081	-.104	-.107	-.030	-.204*	-.121	-.075	-.107	-.062
130	Zero Complement Presented Loss Lives Signed Confidence	.071	-.015	-.162	-.034	-.062	-.078	-.085	-.013	-.173	-.123	-.067	-.060	-.047
131	Zero Complement Presented Loss Risky Choices	-.044	-.059	-.218*	-.104	-.139	-.133	-.076	-.048	-.233*	-.055	-.044	-.097	-.081
132	Zero Complement Presented Loss Money Risky Choices	-.119	-.048	-.220*	-.134	-.168	-.132	-.022	-.056	-.206*	.032	.003	-.062	-.081
133	Zero Complement Presented Loss Money Signed Confidence	-.092	-.003	-.219*	-.151	-.174	-.139	.004	-.019	-.207*	.025	.019	-.049	-.102
134	Zero Complement Presented Loss Signed Confidence	-.012	-.010	-.215*	-.104	-.134	-.123	-.045	-.018	-.214*	-.055	-.027	-.062	-.084

		66	67	68	69	70	71	72	73	74	75	76	77	78
135	Zero Complement Presented Money Framing Index	-.113	-.007	-.114	-.115	-.100	-.130	-.046	.000	-.163	-.061	-.023	-.094	-.108
136	Zero Complement Presented Money Signed Confidence Framing Index	-.081	.025	-.089	-.089	-.070	-.108	-.029	.019	-.147	-.059	-.019	-.091	-.100
137	Zero Complement Presented Signed Confidence Framing Index	-.081	.025	-.089	-.089	-.070	-.108	-.029	.019	-.147	-.059	-.019	-.091	-.100
138	Framing Index	.133	.064	.003	-.031	-.020	-.006	.084	.037	.001	-.034	.046	.034	-.038
139	Gain Lives Risky Choices	-.048	-.097	-.226*	.057	-.056	-.049	-.110	-.080	-.169	-.074	-.119	-.059	.032
140	Gain Lives Signed Confidence	-.008	-.093	-.198	.034	-.052	-.046	-.104	-.079	-.139	-.084	-.123	-.043	.012
141	Gain Risky Choices	-.060	-.078	-.210*	-.053	-.131	-.092	-.056	-.072	-.165	-.020	-.049	-.048	-.027
142	Gain Money Risky Choices	-.053	-.035	-.130	-.149	-.165	-.106	.014	-.041	-.111	.040	.036	-.022	-.078
143	Gain Money Signed Confidence	-.050	-.023	-.168	-.171	-.203*	-.141	.030	-.026	-.147	.036	.044	-.006	-.092
144	Gain Signed Confidence	-.037	-.064	-.214*	-.091	-.159	-.115	-.036	-.059	-.169	-.021	-.037	-.026	-.053
145	Both Complements Presented Framing Index	.104	.105	.045	.011	.008	.051	.133	.026	.087	.000	.047	.174	-.005
146	Both Complements Presented Gain Lives Risky Choices	-.016	-.099	-.170	.105	.006	-.015	-.127	-.056	-.133	-.105	-.114	-.131	.059
147	Both Complements Presented Gain Lives Signed Confidence	-.007	-.093	-.146	.066	-.008	-.028	-.118	-.075	-.109	-.115	-.135	-.089	.020
148	Both Complements Presented Gain Risky Choices	-.004	-.085	-.194	-.057	-.133	-.111	-.073	-.056	-.163	-.061	-.060	-.098	-.038
149	Both Complements Presented Gain Money Risky Choices	.011	-.041	-.154	-.215*	-.238*	-.178	.011	-.037	-.141	.008	.020	-.027	-.131
150	Both Complements Presented Gain Money Signed Confidence	.009	-.050	-.180	-.226*	-.259*	-.194	.016	-.051	-.169	.023	.022	-.019	-.139
151	Both Complements Presented Gain Signed Confidence	.001	-.085	-.192	-.093	-.157	-.131	-.060	-.075	-.163	-.054	-.067	-.064	-.070
152	Both Complements Presented Lives Framing Index	.184	.156	.019	-.134	-.117	-.036	.222*	.084	.073	.079	.159	.172	-.053
153	Both Complements Presented Lives Signed Confidence Framing Index	.115	.184	-.026	-.126	-.128	-.076	.176	.133	.012	.002	.144	.120	-.074
154	Both Complements Presented Loss Lives Risky Choices	.142	.039	-.149	-.008	-.094	-.045	.068	.016	-.066	-.036	.026	.022	.011
155	Both Complements Presented Loss Lives Signed Confidence	.087	.064	-.153	-.036	-.111	-.087	.036	.038	-.089	-.102	-.006	.017	-.042

		66	67	68	69	70	71	72	73	74	75	76	77	78
156	Both Complements Presented Loss Risky Choices	.094	.022	-.137	-.040	-.113	-.059	.051	-.015	-.075	-.061	-.006	.057	-.039
157	Both Complements Presented Loss Money Risky Choices	.000	-.021	-.086	-.064	-.098	-.051	.011	-.073	-.056	-.057	-.052	.083	-.077
158	Both Complements Presented Loss Money Signed Confidence	.002	.001	-.110	-.073	-.102	-.053	.030	-.059	-.079	-.044	-.030	.079	-.070
159	Both Complements Presented Loss Signed Confidence	.059	.044	-.151	-.061	-.123	-.083	.040	-.001	-.099	-.088	-.016	.052	-.064
160	Both Complements Presented Money Framing Index	-.037	-.006	.060	.134	.129	.127	-.009	-.082	.083	-.057	-.095	.127	.047
161	Both Complements Presented Money Signed Confidence Framing Index	-.037	.026	.072	.151	.162	.154	.004	-.054	.098	-.057	-.077	.115	.071
162	Both Complements Presented Signed Confidence Framing Index	.059	.139	.028	.028	.024	.048	.113	.069	.064	-.044	.046	.140	.000
163	Money Framing Index	.011	-.042	-.022	.071	.053	.054	-.039	-.075	.000	-.047	-.087	.018	.026
164	Money Risky Choices	-.051	-.057	-.148	-.123	-.150	-.087	-.004	-.076	-.118	.020	-.003	-.015	-.071
165	Money Signed Confidence Framing Index	.034	-.008	.033	.084	.101	.089	-.029	-.047	.050	-.043	-.073	.008	.032
166	Money Signed Confidence	-.041	-.031	-.177	-.156	-.186	-.119	.021	-.051	-.145	.021	.015	-.003	-.091
167	Nonzero Complement Presented Framing Index	.218*	.037	.066	.042	.044	.077	.106	.003	.108	.016	.031	.076	.042
168	Nonzero Complement Presented Gain Lives Risky Choices	-.084	-.126	-.239*	.034	-.081	-.071	-.139	-.093	-.204*	-.070	-.108	-.109	.020
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.013	-.108	-.214*	.031	-.060	-.053	-.122	-.069	-.180	-.066	-.090	-.101	.025
170	Nonzero Complement Presented Gain Risky Choices	-.141	-.085	-.208*	-.072	-.133	-.108	-.085	-.068	-.200*	-.040	-.038	-.107	-.052
171	Nonzero Complement Presented Gain Money Risky Choices	-.149	-.015	-.102	-.156	-.137	-.107	-.002	-.017	-.125	.004	.045	-.067	-.105
172	Nonzero Complement Presented Gain Money Signed Confidence	-.112	.006	-.152	-.163	-.184	-.149	.028	.009	-.167	.000	.050	-.034	-.104
173	Nonzero Complement Presented Gain Signed Confidence	-.087	-.048	-.215*	-.101	-.162	-.134	-.040	-.028	-.209*	-.033	-.008	-.074	-.063
174	Nonzero Complement Presented Lives Framing Index	.195	.131	.096	-.054	-.011	.011	.196	.086	.100	.010	.121	.106	-.039

		66	67	68	69	70	71	72	73	74	75	76	77	78
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.142	.105	.096	-.035	.007	.016	.143	.044	.117	-.059	.058	.097	-.055
176	Nonzero Complement Presented Loss Lives Risky Choices	.106	.041	-.130	-.042	-.100	-.067	.097	.025	-.094	-.032	.052	.020	-.040
177	Nonzero Complement Presented Loss Lives Signed Confidence	.112	.028	-.123	-.028	-.071	-.052	.059	.005	-.068	-.094	.006	.015	-.052
178	Nonzero Complement Presented Loss Risky Choices	.068	-.018	-.133	-.043	-.093	-.039	.051	-.032	-.086	-.003	.023	-.012	-.025
179	Nonzero Complement Presented Loss Money Risky Choices	.014	-.095	-.087	-.018	-.043	.018	-.035	-.106	-.040	.018	-.036	-.052	.013
180	Nonzero Complement Presented Loss Money Signed Confidence	.030	-.070	-.098	-.072	-.083	-.017	-.011	-.088	-.043	.015	-.026	-.038	-.027
181	Nonzero Complement Presented Loss Signed Confidence	.076	-.013	-.136	-.066	-.099	-.049	.041	-.036	-.073	-.038	.002	-.008	-.054
182	Nonzero Complement Presented Money Framing Index	.160	-.085	.008	.134	.090	.124	-.035	-.101	.081	.016	-.082	.012	.116
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.144	-.064	.087	.116	.131	.147	-.039	-.084	.145	.013	-.075	.007	.090
184	Nonzero Complement Presented Signed Confidence Framing Index	.178	.005	.119	.068	.101	.115	.039	-.041	.167	-.031	-.030	.054	.039

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		79	80	81	82	83	84	85	86	87	88	89	90	91
1	Criterion	-.264**	-.316**	-.497**	-.680**	.497**	.558**	.577**	.680**	.710**	.557**	.443**	.577**	.344**
2	Criterion Calm Distractor	-.280**	-.376**	-.717**	-.268**	.717**	.186	.195	.268**	.295**	.607**	.604**	.257*	.119
3	Criterion CalmFear	.009	-.125	-.255*	-.650**	.255*	.806**	.311**	.650**	.599**	.196	.208*	.737**	.122
4	Criterion CalmHappy	-.038	-.056	-.185	-.561**	.185	.253*	.670**	.561**	.565**	.273**	.211*	.258*	.289**
5	Criterion Calm Target	-.044	-.136	-.307**	-.760**	.307**	.652**	.560**	.760**	.722**	.320**	.271**	.619**	.234*
6	Criterion Emotional Distractor	-.179	-.267**	-.415**	-.726**	.415**	.582**	.580**	.726**	.746**	.496**	.345**	.597**	.346**
7	Criterion Emotional Target	-.363**	-.437**	-.667**	-.324**	.667**	.190	.324**	.324**	.408**	.766**	.567**	.271**	.405**
8	Criterion FearCalm	-.090	-.154	-.667**	-.206*	.667**	.162	.143	.206*	.225*	.531**	.718**	.185	.115
9	Criterion Fear Distractor	-.283**	-.356**	-.382**	-.707**	.382**	.725**	.409**	.707**	.690**	.340**	.252*	.792**	.131
10	Criterion FearHappy	.041	-.024	-.237*	-.254*	.237*	.160	.267**	.254*	.324**	.480**	.261*	.121	.570**
11	Criterion Fear Target	-.099	-.170	-.644**	-.280**	.644**	.153	.259*	.280**	.345**	.712**	.659**	.162	.415**
12	Criterion HappyCalm	-.345**	-.386**	-.197	-.196	.197	.121	.169	.196	.221*	.255*	-.040	.218*	.101
13	Criterion Happy Distractor	-.082	-.117	-.328**	-.559**	.328**	.248*	.641**	.559**	.606**	.485**	.324**	.262**	.442**
14	Criterion HappyFear	-.517**	-.544**	-.441**	-.183	.441**	.135	.187	.183	.237*	.472**	.255*	.265**	.131
15	Criterion Happy Target	-.497**	-.577**	-.407**	-.315**	.407**	.198	.274**	.315**	.365**	.441**	.162	.344**	.127
16	Criterion NonEmotional Distractor	-.280**	-.376**	-.717**	-.268**	.717**	.186	.195	.268**	.295**	.607**	.604**	.257*	.119
17	Criterion NonEmotional Target	-.044	-.136	-.307**	-.760**	.307**	.652**	.560**	.760**	.722**	.320**	.271**	.619**	.234*
18	DPrime	.173	.220*	.081	.539**	-.081	-.363**	-.482**	-.539**	-.610**	-.248*	-.077	-.428**	-.275**
19	DPrime Calm Distractor	-.052	.172	.519**	-.064	-.519**	-.062	.112	.064	.079	-.338**	-.495**	.044	.074
20	DPrime CalmFear	-.032	.080	.004	.314**	-.004	-.610**	.019	-.314**	-.266**	.022	.009	-.522**	-.014
21	DPrime CalmHappy	.078	.072	-.057	.517**	.057	-.064	-.711**	-.517**	-.501**	-.029	.108	-.157	-.095
22	DPrime Calm Target	-.017	.036	-.056	.680**	.056	-.415**	-.601**	-.680**	-.636**	.026	.088	-.447**	-.060
23	DPrime Emotional Distractor	.135	.092	-.178	.575**	.178	-.325**	-.509**	-.575**	-.637**	-.017	.153	-.446**	-.231*
24	DPrime Emotional Target	.207*	.293**	.212*	-.135	-.212*	.042	.131	.135	-.011	-.411**	-.264**	.000	-.305**
25	DPrime FearCalm	-.096	-.013	.393**	-.054	-.393**	-.036	.085	.054	.053	-.307**	-.489**	.075	-.013
26	DPrime Fear Distractor	.135	.101	-.233*	.205*	.233*	-.440**	.081	-.205*	-.250*	.070	.184	-.482**	-.084
27	DPrime FearHappy	.200	.155	-.195	-.037	.195	.051	-.026	.037	-.118	-.131	.158	-.056	-.500**
28	DPrime Fear Target	.039	.094	.204*	-.071	-.204*	.012	.053	.071	-.050	-.382**	-.345**	.023	-.379**

		79	80	81	82	83	84	85	86	87	88	89	90	91
29	DPrime HappyCalm	.011	.243*	.251*	-.054	-.251*	-.033	.049	.054	.056	-.148	-.130	-.008	.070
30	DPrime Happy Distractor	.110	.087	-.142	.428**	.142	-.011	-.630**	-.428**	-.512**	-.069	.121	-.159	-.296**
31	DPrime HappyFear	.430**	.203*	-.260**	-.174	.260**	.152	.123	.174	.044	.033	.241*	-.027	.005
32	DPrime Happy Target	.302**	.392**	.013	-.226*	-.013	.062	.211*	.226*	.133	-.139	.055	-.010	-.027
33	DPrime NonEmotional Distractor	-.052	.172	.519**	-.064	-.519**	-.062	.112	.064	.079	-.338**	-.495**	.044	.074
34	DPrime NonEmotional Target	-.017	.036	-.056	.680**	.056	-.415**	-.601**	-.680**	-.636**	.026	.088	-.447**	-.060
35	zCorrectRejectionRate Calm Distractor	-.230*	-.165	-.206*	-.224*	.206*	.092	.200	.224*	.252*	.233*	.124	.206*	.125
36	zCorrectRejectionRate CalmFear	-.013	-.053	-.204*	-.337**	.204*	.285**	.257*	.337**	.324**	.172	.174	.282**	.090
37	zCorrectRejectionRate CalmHappy	.024	.014	-.165	-.011	.165	.131	-.054	.011	.024	.163	.217*	.070	.125
38	zCorrectRejectionRate Calm Target	-.045	-.079	-.273**	-.120	.273**	.273**	-.002	.120	.121	.262**	.266**	.223*	.138
39	zCorrectRejectionRate Emotional Distractor	-.059	-.139	-.423**	-.170	.423**	.247*	.097	.170	.146	.357**	.356**	.189	.106
40	zCorrectRejectionRate Emotional Target	-.164	-.168	-.378**	-.306**	.378**	.159	.304**	.306**	.292**	.347**	.263**	.198	.127
41	zCorrectRejectionRate FearCalm	-.117	-.114	-.243*	-.174	.243*	.092	.148	.174	.186	.197	.229*	.171	.073
42	zCorrectRejectionRate Fear Distractor	-.135	-.219*	-.417**	-.433**	.417**	.316**	.353**	.433**	.396**	.298**	.294**	.349**	.055
43	zCorrectRejectionRate FearHappy	.140	.075	-.256*	-.176	.256*	.127	.147	.176	.128	.216*	.249*	.041	.058
44	zCorrectRejectionRate Fear Target	-.053	-.076	-.371**	-.248*	.371**	.121	.222*	.248*	.231*	.325**	.305**	.134	.104
45	zCorrectRejectionRate HappyCalm	-.189	-.087	.024	-.139	-.024	.047	.121	.139	.154	.064	-.092	.119	.093
46	zCorrectRejectionRate Happy Distractor	.008	-.024	-.327**	-.110	.327**	.171	.041	.110	.087	.297**	.311**	.087	.113
47	zCorrectRejectionRate HappyFear	-.064	-.205*	-.401**	-.203*	.401**	.160	.177	.203*	.163	.293**	.276**	.140	.075
48	zCorrectRejectionRate Happy Target	-.150	-.139	-.240*	-.313**	.240*	.151	.280**	.313**	.293**	.193	.125	.206*	.060
49	zCorrectRejectionRate NonEmotional Distractor	-.230*	-.165	-.206*	-.224*	.206*	.092	.200	.224*	.252*	.233*	.124	.206*	.125
50	zCorrectRejectionRate NonEmotional Target	-.045	-.079	-.273**	-.120	.273**	.273**	-.002	.120	.121	.262**	.266**	.223*	.138
51	zFalseAlarmRate Calm Distractor	.230*	.165	.206*	.224*	-.206*	-.092	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125
52	zFalseAlarmRate CalmFear	-.007	.030	.193	.331**	-.193	-.286**	-.241*	-.331**	-.313**	-.150	-.168	-.278**	-.073
53	zFalseAlarmRate CalmHappy	-.030	-.016	.157	.003	-.157	-.129	.066	-.003	-.014	-.152	-.209*	-.068	-.118
54	zFalseAlarmRate Calm Target	.045	.079	.273**	.120	-.273**	-.273**	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138
55	zFalseAlarmRate Emotional Distractor	.059	.139	.423**	.170	-.423**	-.247*	-.097	-.170	-.146	-.357**	-.356**	-.189	-.106
56	zFalseAlarmRate Emotional Target	.164	.168	.378**	.306**	-.378**	-.159	-.304**	-.306**	-.292**	-.347**	-.263**	-.198	-.127

		79	80	81	82	83	84	85	86	87	88	89	90	91
57	zFalseAlarmRate FearCalm	.123	.136	.260*	.198	-.260*	-.117	-.171	-.198	-.206*	-.211*	-.244*	-.190	-.076
58	zFalseAlarmRate Fear Distractor	.135	.219*	.417**	.433**	-.417**	-.316**	-.353**	-.433**	-.396**	-.298**	-.294**	-.349**	-.055
59	zFalseAlarmRate FearHappy	-.164	-.085	.248*	.199	-.248*	-.145	-.154	-.199	-.145	-.197	-.236*	-.067	-.044
60	zFalseAlarmRate Fear Target	.053	.076	.371**	.248*	-.371**	-.121	-.222*	-.248*	-.231*	-.325**	-.305**	-.134	-.104
61	zFalseAlarmRate HappyCalm	.191	.086	.008	.156	-.008	-.081	-.133	-.156	-.167	-.083	.062	-.139	-.081
62	zFalseAlarmRate Happy Distractor	-.008	.024	.327**	.110	-.327**	-.171	-.041	-.110	-.087	-.297**	-.311**	-.087	-.113
63	zFalseAlarmRate HappyFear	.062	.202*	.408**	.197	-.408**	-.168	-.160	-.197	-.151	-.286**	-.286**	-.147	-.055
64	zFalseAlarmRate Happy Target	.150	.139	.240*	.313**	-.240*	-.151	-.280**	-.313**	-.293**	-.193	-.125	-.206*	-.060
65	zFalseAlarmRate NonEmotional Distractor	.230*	.165	.206*	.224*	-.206*	-.092	-.200	-.224*	-.252*	-.233*	-.124	-.206*	-.125
66	zFalseAlarmRate NonEmotional Target	.045	.079	.273**	.120	-.273**	-.273**	.002	-.120	-.121	-.262**	-.266**	-.223*	-.138
67	zHitRate Calm Distractor	.211*	.453**	1.000**	.189	-1.000*	-.208*	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049
68	zHitRate CalmFear	-.027	.150	.208*	.751**	-.208*	-1.000*	-.242*	-.751**	-.664**	-.144	-.163	-.895**	-.105
69	zHitRate CalmHappy	.086	.095	.090	.801**	-.090	-.242*	-1.000*	-.801**	-.778**	-.218*	-.068	-.312**	-.276**
70	zHitRate Calm Target	.026	.123	.189	1.000**	-.189	-.751**	-.801**	-1.000*	-.943**	-.217*	-.140	-.754**	-.210*
71	zHitRate Emotional Distractor	.238*	.267**	.202*	.943**	-.202*	-.664**	-.778**	-.943**	-1.000*	-.394**	-.159	-.767**	-.417**
72	zHitRate Emotional Target	.489**	.610**	.774**	.217*	-.774**	-.144	-.218*	-.217*	-.394**	-1.000*	-.698**	-.258*	-.578**
73	zHitRate FearCalm	.009	.120	.885**	.140	-.885**	-.163	-.068	-.140	-.159	-.698**	-1.000*	-.104	-.106
74	zHitRate Fear Distractor	.332**	.378**	.194	.754**	-.194	-.895**	-.312**	-.754**	-.767**	-.258*	-.104	-1.000*	-.166
75	zHitRate FearHappy	.144	.164	.049	.210*	-.049	-.105	-.276**	-.210*	-.417**	-.578**	-.106	-.166	-1.000*
76	zHitRate Fear Target	.115	.212*	.703**	.203*	-.703**	-.126	-.196	-.203*	-.338**	-.878**	-.800**	-.129	-.608**
77	zHitRate HappyCalm	.433**	.758**	.544**	.177	-.544**	-.206*	-.151	-.177	-.207*	-.487**	-.123	-.281**	-.040
78	zHitRate Happy Distractor	.142	.149	.145	.722**	-.145	-.198	-.911**	-.722**	-.817**	-.412**	-.155	-.314**	-.540**
79	zHitRate HappyFear	1	.800**	.211*	.026	-.211*	.027	-.086	-.026	-.238*	-.489**	-.009	-.332**	-.144
80	zHitRate Happy Target	.800**	1	.453**	.123	-.453**	-.150	-.095	-.123	-.267**	-.610**	-.120	-.378**	-.164
81	zHitRate NonEmotional Distractor	.211*	.453**	1	.189	-1.000*	-.208*	-.090	-.189	-.202*	-.774**	-.885**	-.194	-.049
82	zHitRate NonEmotional Target	.026	.123	.189	1	-.189	-.751**	-.801**	-1.000*	-.943**	-.217*	-.140	-.754**	-.210*
83	zMissRate Calm Distractor	-.211*	-.453**	-1.000*	-.189	1	.208*	.090	.189	.202*	.774**	.885**	.194	.049
84	zMissRate CalmFear	.027	-.150	-.208*	-.751**	.208*	1	.242*	.751**	.664**	.144	.163	.895**	.105
85	zMissRate CalmHappy	-.086	-.095	-.090	-.801**	.090	.242*	1	.801**	.778**	.218*	.068	.312**	.276**

		79	80	81	82	83	84	85	86	87	88	89	90	91
86	zMissRate Calm Target	-.026	-.123	-.189	-1.000*	.189	.751**	.801**	1	.943**	.217*	.140	.754**	.210*
87	zMissRate Emotional Distractor	-.238*	-.267**	-.202*	-.943**	.202*	.664**	.778**	.943**	1	.394**	.159	.767**	.417**
88	zMissRate Emotional Target	-.489**	-.610**	-.774**	-.217*	.774**	.144	.218*	.217*	.394**	1	.698**	.258*	.578**
89	zMissRate FearCalm	-.009	-.120	-.885**	-.140	.885**	.163	.068	.140	.159	.698**	1	.104	.106
90	zMissRate Fear Distractor	-.332**	-.378**	-.194	-.754**	.194	.895**	.312**	.754**	.767**	.258*	.104	1	.166
91	zMissRate FearHappy	-.144	-.164	-.049	-.210*	.049	.105	.276**	.210*	.417**	.578**	.106	.166	1
92	zMissRate Fear Target	-.115	-.212*	-.703**	-.203*	.703**	.126	.196	.203*	.338**	.878**	.800**	.129	.608**
93	zMissRate HappyCalm	-.433**	-.758**	-.544**	-.177	.544**	.206*	.151	.177	.207*	.487**	.123	.281**	.040
94	zMissRate Happy Distractor	-.142	-.149	-.145	-.722**	.145	.198	.911**	.722**	.817**	.412**	.155	.314**	.540**
95	zMissRate HappyFear	-1.000*	-.800**	-.211*	-.026	.211*	-.027	.086	.026	.238*	.489**	.009	.332**	.144
96	zMissRate Happy Target	-.800**	-1.000*	-.453**	-.123	.453**	.150	.095	.123	.267**	.610**	.120	.378**	.164
97	zMissRate NonEmotional Distractor	-.211*	-.453**	-1.000*	-.189	1.000**	.208*	.090	.189	.202*	.774**	.885**	.194	.049
98	zMissRate NonEmotional Target	-.026	-.123	-.189	-1.000*	.189	.751**	.801**	1.000**	.943**	.217*	.140	.754**	.210*
99	zRT AllRuns Hits	-.083	-.142	-.458**	-.207*	.458**	.296**	.065	.207*	.201*	.364**	.465**	.257*	.067
100	zRT Calm Distractor Hits	-.085	-.155	-.479**	-.108	.479**	.214*	-.013	.108	.108	.368**	.476**	.180	.038
101	zRT Calm Target Hits	-.068	-.091	-.399**	-.319**	.399**	.395**	.146	.319**	.301**	.322**	.451**	.331**	.090
102	zRT Emotional Distractor Hits	-.081	-.130	-.438**	-.260**	.438**	.335**	.109	.260**	.250*	.351**	.463**	.295**	.077
103	zRT Emotional Target Hits	-.093	-.168	-.473**	-.141	.473**	.238*	.014	.141	.137	.374**	.460**	.207*	.051
104	zRT Fear Distractor Hits	-.090	-.139	-.468**	-.289**	.468**	.328**	.107	.289**	.269**	.365**	.483**	.294**	.067
105	zRT Fear Target Hits	-.110	-.157	-.467**	-.154	.467**	.229*	.037	.154	.162	.402**	.454**	.209*	.101
106	zRT Happy Distractor Hits	-.067	-.114	-.397**	-.259*	.397**	.326**	.128	.259*	.252*	.329**	.429**	.282**	.086
107	zRT Happy Target Hits	-.110	-.201*	-.490**	-.119	.490**	.240*	-.009	.119	.108	.369**	.463**	.207*	.005
108	zRT Hits Calm	-.075	-.124	-.452**	-.217*	.452**	.310**	.069	.217*	.210*	.357**	.474**	.263**	.070
109	ZRT Hits CalmFear	-.056	-.050	-.422**	-.322**	.422**	.367**	.111	.322**	.308**	.362**	.474**	.311**	.135
110	ZRT Hits CalmHappy	-.055	-.082	-.352**	-.305**	.352**	.345**	.192	.305**	.293**	.266**	.404**	.305**	.034
111	zRT Hits Fear	-.090	-.147	-.470**	-.198	.470**	.281**	.054	.198	.195	.384**	.473**	.248*	.088
112	ZRT Hits FearCalm	-.110	-.143	-.489**	-.117	.489**	.175	.026	.117	.130	.398**	.490**	.165	.064
113	ZRT Hits FearHappy	-.097	-.145	-.416**	-.174	.416**	.257*	.046	.174	.180	.380**	.409**	.230*	.123
114	zRT Hits Happy	-.088	-.154	-.459**	-.187	.459**	.272**	.061	.187	.182	.359**	.457**	.240*	.050

		79	80	81	82	83	84	85	86	87	88	89	90	91
115	ZRT Hits HappyCalm	-.104	-.174	-.443**	-.110	.443**	.260*	-.032	.110	.105	.336**	.430**	.232*	.012
116	ZRT Hits HappyFear	-.117	-.202*	-.485**	-.235*	.485**	.259*	.092	.235*	.210*	.354**	.452**	.261*	-.009
117	zRT Hits	-.083	-.142	-.458**	-.207*	.458**	.296**	.065	.207*	.201*	.364**	.465**	.257*	.067
118	zRT Nonemotional Distractor Hits	-.085	-.155	-.479**	-.108	.479**	.214*	-.013	.108	.108	.368**	.476**	.180	.038
119	zRT Nonemotional Target Hits	-.068	-.091	-.399**	-.319**	.399**	.395**	.146	.319**	.301**	.322**	.451**	.331**	.090
120	Zero Complement Presented Framing Index	-.203*	-.080	-.007	-.100	.007	.114	.115	.100	.130	.046	.000	.163	.061
121	Zero Complement Presented Gain Lives Risky Choices	.179	.149	-.013	-.073	.013	.170	.002	.073	.040	.002	.055	.089	.006
122	Zero Complement Presented Gain Lives Signed Confidence	.175	.149	-.034	-.071	.034	.158	.016	.071	.039	.022	.060	.069	.032
123	Zero Complement Presented Gain Risky Choices	.193	.122	-.030	-.074	.030	.154	.005	.074	.016	-.016	.065	.065	-.054
124	Zero Complement Presented Gain Money Risky Choices	.149	.060	-.038	-.054	.038	.091	.006	.054	-.013	-.029	.055	.022	-.097
125	Zero Complement Presented Gain Money Signed Confidence	.139	.069	-.030	-.089	.030	.113	.048	.089	.015	-.036	.039	.035	-.087
126	Zero Complement Presented Gain Signed Confidence	.181	.124	-.037	-.093	.037	.156	.038	.093	.030	-.010	.057	.059	-.036
127	Zero Complement Presented Lives Framing Index	-.203*	-.080	-.007	-.100	.007	.114	.115	.100	.130	.046	.000	.163	.061
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.182	-.072	.025	-.070	-.025	.089	.089	.070	.108	.029	-.019	.147	.059
129	Zero Complement Presented Loss Lives Risky Choices	-.084	-.082	-.056	-.081	.056	.167	.054	.081	.104	.107	.030	.204*	.121
130	Zero Complement Presented Loss Lives Signed Confidence	-.065	-.043	-.015	-.062	.015	.162	.034	.062	.078	.085	.013	.173	.123
131	Zero Complement Presented Loss Risky Choices	-.090	-.064	-.059	-.139	.059	.218*	.104	.139	.133	.076	.048	.233*	.055
132	Zero Complement Presented Loss Money Risky Choices	-.073	-.027	-.048	-.168	.048	.220*	.134	.168	.132	.022	.056	.206*	-.032
133	Zero Complement Presented Loss Money Signed Confidence	-.062	-.009	-.003	-.174	.003	.219*	.151	.174	.139	-.004	.019	.207*	-.025
134	Zero Complement Presented Loss Signed Confidence	-.071	-.029	-.010	-.134	.010	.215*	.104	.134	.123	.045	.018	.214*	.055

	79	80	81	82	83	84	85	86	87	88	89	90	91
135 Zero Complement Presented Money Framing Index	-.203*	-.080	-.007	-.100	.007	.114	.115	.100	.130	.046	.000	.163	.061
136 Zero Complement Presented Money Signed Confidence Framing Index	-.182	-.072	.025	-.070	-.025	.089	.089	.070	.108	.029	-.019	.147	.059
137 Zero Complement Presented Signed Confidence Framing Index	-.182	-.072	.025	-.070	-.025	.089	.089	.070	.108	.029	-.019	.147	.059
138 Framing Index	.021	.039	.064	-.020	-.064	-.003	.031	.020	.006	-.084	-.037	-.001	.034
139 Gain Lives Risky Choices	.094	.027	-.097	-.056	.097	.226*	-.057	.056	.049	.110	.080	.169	.074
140 Gain Lives Signed Confidence	.097	.062	-.093	-.052	.093	.198	-.034	.052	.046	.104	.079	.139	.084
141 Gain Risky Choices	.080	.035	-.078	-.131	.078	.210*	.053	.131	.092	.056	.072	.165	.020
142 Gain Money Risky Choices	.042	.033	-.035	-.165	.035	.130	.149	.165	.106	-.014	.041	.111	-.040
143 Gain Money Signed Confidence	.057	.064	-.023	-.203*	.023	.168	.171	.203*	.141	-.030	.026	.147	-.036
144 Gain Signed Confidence	.088	.074	-.064	-.159	.064	.214*	.091	.159	.115	.036	.059	.169	.021
145 Both Complements Presented Framing Index	.129	.149	.105	.008	-.105	-.045	-.011	-.008	-.051	-.133	-.026	-.087	.000
146 Both Complements Presented Gain Lives Risky Choices	.058	.003	-.099	.006	.099	.170	-.105	-.006	.015	.127	.056	.133	.105
147 Both Complements Presented Gain Lives Signed Confidence	.083	.063	-.093	-.008	.093	.146	-.066	.008	.028	.118	.075	.109	.115
148 Both Complements Presented Gain Risky Choices	.055	.027	-.085	-.133	.085	.194	.057	.133	.111	.073	.056	.163	.061
149 Both Complements Presented Gain Money Risky Choices	.033	.044	-.041	-.238*	.041	.154	.215*	.238*	.178	-.011	.037	.141	-.008
150 Both Complements Presented Gain Money Signed Confidence	.042	.056	-.050	-.259*	.050	.180	.226*	.259*	.194	-.016	.051	.169	-.023
151 Both Complements Presented Gain Signed Confidence	.074	.070	-.085	-.157	.085	.192	.093	.157	.131	.060	.075	.163	.054
152 Both Complements Presented Lives Framing Index	.130	.110	.156	-.117	-.156	-.019	.134	.117	.036	-.222*	-.084	-.073	-.079
153 Both Complements Presented Lives Signed Confidence Framing Index	.066	.032	.184	-.128	-.184	.026	.126	.128	.076	-.176	-.133	-.012	-.002
154 Both Complements Presented Loss Lives Risky Choices	.166	.097	.039	-.094	-.039	.149	.008	.094	.045	-.068	-.016	.066	.036
155 Both Complements Presented Loss Lives Signed Confidence	.129	.084	.064	-.111	-.064	.153	.036	.111	.087	-.036	-.038	.089	.102

		79	80	81	82	83	84	85	86	87	88	89	90	91
156	Both Complements Presented Loss Risky Choices	.153	.143	.022	-.113	-.022	.137	.040	.113	.059	-.051	.015	.075	.061
157	Both Complements Presented Loss Money Risky Choices	.109	.164	-.021	-.098	.021	.086	.064	.098	.051	-.011	.073	.056	.057
158	Both Complements Presented Loss Money Signed Confidence	.118	.166	.001	-.102	-.001	.110	.073	.102	.053	-.030	.059	.079	.044
159	Both Complements Presented Loss Signed Confidence	.138	.138	.044	-.123	-.044	.151	.061	.123	.083	-.040	.001	.099	.088
160	Both Complements Presented Money Framing Index	.100	.154	-.006	.129	.006	-.060	-.134	-.129	-.127	.009	.082	-.083	.057
161	Both Complements Presented Money Signed Confidence Framing Index	.101	.143	.026	.162	-.026	-.072	-.151	-.162	-.154	-.004	.054	-.098	.057
162	Both Complements Presented Signed Confidence Framing Index	.096	.102	.139	.024	-.139	-.028	-.028	-.024	-.048	-.113	-.069	-.064	.044
163	Money Framing Index	.009	.037	-.042	.053	.042	.022	-.071	-.053	-.054	.039	.075	.000	.047
164	Money Risky Choices	.048	.052	-.057	-.150	.057	.148	.123	.150	.087	.004	.076	.118	-.020
165	Money Signed Confidence Framing Index	.002	.012	-.008	.101	.008	-.033	-.084	-.101	-.089	.029	.047	-.050	.043
166	Money Signed Confidence	.066	.079	-.031	-.186	.031	.177	.156	.186	.119	-.021	.051	.145	-.021
167	Nonzero Complement Presented Framing Index	.169	.103	.037	.044	-.037	-.066	-.042	-.044	-.077	-.106	-.003	-.108	-.016
168	Nonzero Complement Presented Gain Lives Risky Choices	.013	-.068	-.126	-.081	.126	.239*	-.034	.081	.071	.139	.093	.204*	.070
169	Nonzero Complement Presented Gain Lives Signed Confidence	.004	-.042	-.108	-.060	.108	.214*	-.031	.060	.053	.122	.069	.180	.066
170	Nonzero Complement Presented Gain Risky Choices	-.029	-.049	-.085	-.133	.085	.208*	.072	.133	.108	.085	.068	.200*	.040
171	Nonzero Complement Presented Gain Money Risky Choices	-.060	-.014	-.015	-.137	.015	.102	.156	.137	.107	.002	.017	.125	-.004
172	Nonzero Complement Presented Gain Money Signed Confidence	-.004	.048	.006	-.184	-.006	.152	.163	.184	.149	-.028	-.009	.167	.000
173	Nonzero Complement Presented Gain Signed Confidence	-.001	.014	-.048	-.162	.048	.215*	.101	.162	.134	.040	.028	.209*	.033
174	Nonzero Complement Presented Lives Framing Index	.155	.145	.131	-.011	-.131	-.096	.054	.011	-.011	-.196	-.086	-.100	-.010

		79	80	81	82	83	84	85	86	87	88	89	90	91
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.161	.125	.105	.007	-.105	-.096	.035	-.007	-.016	-.143	-.044	-.117	.059
176	Nonzero Complement Presented Loss Lives Risky Choices	.164	.094	.041	-.100	-.041	.130	.042	.100	.067	-.097	-.025	.094	.032
177	Nonzero Complement Presented Loss Lives Signed Confidence	.165	.097	.028	-.071	-.028	.123	.028	.071	.052	-.059	-.005	.068	.094
178	Nonzero Complement Presented Loss Risky Choices	.135	.064	-.018	-.093	.018	.133	.043	.093	.039	-.051	.032	.086	.003
179	Nonzero Complement Presented Loss Money Risky Choices	.061	.002	-.095	-.043	.095	.087	.018	.043	-.018	.035	.106	.040	-.018
180	Nonzero Complement Presented Loss Money Signed Confidence	.096	.043	-.070	-.083	.070	.098	.072	.083	.017	.011	.088	.043	-.015
181	Nonzero Complement Presented Loss Signed Confidence	.153	.086	-.013	-.099	.013	.136	.066	.099	.049	-.041	.036	.073	.038
182	Nonzero Complement Presented Money Framing Index	.125	.016	-.085	.090	.085	-.008	-.134	-.090	-.124	.035	.101	-.081	-.016
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.083	-.017	-.064	.131	.064	-.087	-.116	-.131	-.147	.039	.084	-.145	-.013
184	Nonzero Complement Presented Signed Confidence Framing Index	.136	.050	.005	.101	-.005	-.119	-.068	-.101	-.115	-.039	.041	-.167	.031

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		92	93	94	95	96	97	98	99	100	101	102	103	104
1	Criterion	.469**	.356**	.567**	.264**	.316**	.497**	.680**	.485**	.409**	.579**	.542**	.431**	.532**
2	Criterion Calm Distractor	.502**	.422**	.223*	.280**	.376**	.717**	.268**	.516**	.512**	.494**	.509**	.506**	.515**
3	Criterion CalmFear	.182	.189	.275**	-.009	.125	.255*	.650**	.394**	.306**	.493**	.435**	.329**	.430**
4	Criterion CalmHappy	.266**	.106	.659**	.038	.056	.185	.561**	.268**	.199*	.329**	.300**	.220*	.263**
5	Criterion Calm Target	.297**	.202*	.518**	.044	.136	.307**	.760**	.423**	.325**	.527**	.468**	.357**	.453**
6	Criterion Emotional Distractor	.433**	.300**	.594**	.179	.267**	.415**	.726**	.483**	.393**	.557**	.522**	.427**	.505**
7	Criterion Emotional Target	.646**	.449**	.390**	.363**	.437**	.667**	.324**	.522**	.497**	.507**	.525**	.512**	.523**
8	Criterion FearCalm	.564**	.140	.179	.090	.154	.667**	.206*	.459**	.458**	.460**	.467**	.447**	.471**
9	Criterion Fear Distractor	.218*	.377**	.387**	.283**	.356**	.382**	.707**	.447**	.369**	.509**	.484**	.397**	.464**
10	Criterion FearHappy	.541**	.073	.371**	-.041	.024	.237*	.254*	.332**	.266**	.379**	.357**	.295**	.363**
11	Criterion Fear Target	.773**	.199	.354**	.099	.170	.644**	.280**	.481**	.450**	.481**	.487**	.463**	.503**
12	Criterion HappyCalm	.029	.461**	.168	.345**	.386**	.197	.196	.263**	.252*	.277**	.266**	.249*	.258*
13	Criterion Happy Distractor	.493**	.173	.708**	.082	.117	.328**	.559**	.380**	.303**	.436**	.414**	.333**	.396**
14	Criterion HappyFear	.246*	.457**	.186	.517**	.544**	.441**	.183	.379**	.373**	.347**	.377**	.388**	.355**
15	Criterion Happy Target	.189	.512**	.282**	.497**	.577**	.407**	.315**	.392**	.376**	.380**	.397**	.386**	.388**
16	Criterion NonEmotional Distractor	.502**	.422**	.223*	.280**	.376**	.717**	.268**	.516**	.512**	.494**	.509**	.506**	.515**
17	Criterion NonEmotional Target	.297**	.202*	.518**	.044	.136	.307**	.760**	.423**	.325**	.527**	.468**	.357**	.453**
18	DPrime	-.220*	-.130	-.521**	-.173	-.220*	-.081	-.539**	.198*	.227*	.158	.182	.220*	.162
19	DPrime Calm Distractor	-.368**	-.237*	.071	.052	-.172	-.519**	.064	-.009	-.042	.047	.012	-.041	-.023
20	DPrime CalmFear	.032	-.082	.047	.032	-.080	-.004	-.314**	.037	.053	.016	.029	.044	.028
21	DPrime CalmHappy	-.006	-.097	-.587**	-.078	-.072	.057	-.517**	.170	.206*	.125	.142	.190	.124
22	DPrime Calm Target	.023	-.043	-.526**	.017	-.036	.056	-.680**	.159	.200*	.104	.129	.186	.110
23	DPrime Emotional Distractor	-.006	.039	-.538**	-.135	-.092	.178	-.575**	.258*	.294**	.194	.229*	.288**	.220*
24	DPrime Emotional Target	-.399**	-.093	-.063	-.207*	-.293**	-.212*	.135	.196	.154	.237*	.219*	.166	.198
25	DPrime FearCalm	-.406**	-.012	.008	.096	.013	-.393**	.054	-.077	-.092	-.057	-.063	-.085	-.084
26	DPrime Fear Distractor	.103	.096	.048	-.135	-.101	.233*	-.205*	.225*	.238*	.193	.217*	.234*	.189
27	DPrime FearHappy	-.098	.033	-.203*	-.200	-.155	.195	.037	.276**	.239*	.300**	.291**	.255*	.307**
28	DPrime Fear Target	-.488**	.060	-.151	-.039	-.094	-.204*	.071	.074	.038	.100	.094	.058	.095

		92	93	94	95	96	97	98	99	100	101	102	103	104
29	DPrime HappyCalm	-.086	-.371**	.063	-.011	-.243*	-.251*	.054	.218*	.200*	.267**	.226*	.182	.207*
30	DPrime Happy Distractor	-.059	-.002	-.663**	-.110	-.087	.142	-.428**	.254*	.270**	.228*	.237*	.268**	.240*
31	DPrime HappyFear	.149	.060	.072	-.430**	-.203*	.260**	.174	.319**	.310**	.299**	.318**	.319**	.286**
32	DPrime Happy Target	-.007	-.213*	.162	-.302**	-.392**	-.013	.226*	.294**	.262**	.334**	.311**	.260**	.298**
33	DPrime NonEmotional Distractor	-.368**	-.237*	.071	.052	-.172	-.519**	.064	-.009	-.042	.047	.012	-.041	-.023
34	DPrime NonEmotional Target	.023	-.043	-.526**	.017	-.036	.056	-.680**	.159	.200*	.104	.129	.186	.110
35	zCorrectRejectionRate Calm Distractor	.142	.162	.197	.230*	.165	.206*	.224*	.357**	.335**	.374**	.364**	.332**	.349**
36	zCorrectRejectionRate CalmFear	.167	.104	.252*	.013	.053	.204*	.337**	.341**	.280**	.409**	.370**	.293**	.366**
37	zCorrectRejectionRate CalmHappy	.175	.003	.027	-.024	-.014	.165	.011	.301**	.280**	.310**	.303**	.283**	.266**
38	zCorrectRejectionRate Calm Target	.242*	.125	.039	.045	.079	.273**	.120	.431**	.383**	.473**	.445**	.398**	.432**
39	zCorrectRejectionRate Emotional Distractor	.318**	.249*	.097	.059	.139	.423**	.170	.524**	.481**	.539**	.535**	.502**	.519**
40	zCorrectRejectionRate Emotional Target	.266**	.279**	.252*	.164	.168	.378**	.306**	.481**	.442**	.492**	.495**	.459**	.483**
41	zCorrectRejectionRate FearCalm	.164	.091	.129	.117	.114	.243*	.174	.278**	.269**	.288**	.290**	.265**	.281**
42	zCorrectRejectionRate Fear Distractor	.222*	.338**	.322**	.135	.219*	.417**	.433**	.463**	.410**	.493**	.487**	.430**	.457**
43	zCorrectRejectionRate FearHappy	.272**	.064	.109	-.140	-.075	.256*	.176	.360**	.300**	.403**	.385**	.327**	.397**
44	zCorrectRejectionRate Fear Target	.313**	.181	.183	.053	.076	.371**	.248*	.400**	.357**	.414**	.416**	.378**	.427**
45	zCorrectRejectionRate HappyCalm	-.030	.059	.128	.189	.087	-.024	.139	.265**	.249*	.300**	.271**	.238*	.256*
46	zCorrectRejectionRate Happy Distractor	.310**	.122	.059	-.008	.024	.327**	.110	.438**	.394**	.460**	.450**	.414**	.440**
47	zCorrectRejectionRate HappyFear	.226*	.300**	.148	.064	.205*	.401**	.203*	.397**	.389**	.368**	.396**	.403**	.365**
48	zCorrectRejectionRate Happy Target	.111	.196	.258*	.150	.139	.240*	.313**	.396**	.369**	.410**	.408**	.374**	.398**
49	zCorrectRejectionRate NonEmotional Distractor	.142	.162	.197	.230*	.165	.206*	.224*	.357**	.335**	.374**	.364**	.332**	.349**
50	zCorrectRejectionRate NonEmotional Target	.242*	.125	.039	.045	.079	.273**	.120	.431**	.383**	.473**	.445**	.398**	.432**
51	zFalseAlarmRate Calm Distractor	-.142	-.162	-.197	-.230*	-.165	-.206*	-.224*	-.357**	-.335**	-.374**	-.364**	-.332**	-.349**
52	zFalseAlarmRate CalmFear	-.151	-.094	-.232*	.007	-.030	-.193	-.331**	-.332**	-.270**	-.406**	-.362**	-.281**	-.356**
53	zFalseAlarmRate CalmHappy	-.162	.001	-.014	.030	.016	-.157	-.003	-.288**	-.267**	-.298**	-.290**	-.271**	-.253*
54	zFalseAlarmRate Calm Target	-.242*	-.125	-.039	-.045	-.079	-.273**	-.120	-.431**	-.383**	-.473**	-.445**	-.398**	-.432**
55	zFalseAlarmRate Emotional Distractor	-.318**	-.249*	-.097	-.059	-.139	-.423**	-.170	-.524**	-.481**	-.539**	-.535**	-.502**	-.519**
56	zFalseAlarmRate Emotional Target	-.266**	-.279**	-.252*	-.164	-.168	-.378**	-.306**	-.481**	-.442**	-.492**	-.495**	-.459**	-.483**

		92	93	94	95	96	97	98	99	100	101	102	103	104
57	zFalseAlarmRate FearCalm	-.176	-.105	-.142	-.123	-.136	-.260*	-.198	-.265**	-.260**	-.282**	-.276**	-.250*	-.264**
58	zFalseAlarmRate Fear Distractor	-.222*	-.338**	-.322**	-.135	-.219*	-.417**	-.433**	-.463**	-.410**	-.493**	-.487**	-.430**	-.457**
59	zFalseAlarmRate FearHappy	-.255*	-.065	-.114	.164	.085	-.248*	-.199	-.362**	-.300**	-.405**	-.388**	-.328**	-.404**
60	zFalseAlarmRate Fear Target	-.313**	-.181	-.183	-.053	-.076	-.371**	-.248*	-.400**	-.357**	-.414**	-.416**	-.378**	-.427**
61	zFalseAlarmRate HappyCalm	.008	-.059	-.132	-.191	-.086	-.008	-.156	-.279**	-.261**	-.317**	-.287**	-.250*	-.266**
62	zFalseAlarmRate Happy Distractor	-.310**	-.122	-.059	.008	-.024	-.327**	-.110	-.438**	-.394**	-.460**	-.450**	-.414**	-.440**
63	zFalseAlarmRate HappyFear	-.219*	-.296**	-.122	-.062	-.202*	-.408**	-.197	-.389**	-.380**	-.359**	-.388**	-.395**	-.359**
64	zFalseAlarmRate Happy Target	-.111	-.196	-.258*	-.150	-.139	-.240*	-.313**	-.396**	-.369**	-.410**	-.408**	-.374**	-.398**
65	zFalseAlarmRate NonEmotional Distractor	-.142	-.162	-.197	-.230*	-.165	-.206*	-.224*	-.357**	-.335**	-.374**	-.364**	-.332**	-.349**
66	zFalseAlarmRate NonEmotional Target	-.242*	-.125	-.039	-.045	-.079	-.273**	-.120	-.431**	-.383**	-.473**	-.445**	-.398**	-.432**
67	zHitRate Calm Distractor	-.703**	-.544**	-.145	-.211*	-.453**	-1.000*	-.189	-.458**	-.479**	-.399**	-.438**	-.473**	-.468**
68	zHitRate CalmFear	-.126	-.206*	-.198	.027	-.150	-.208*	-.751**	-.296**	-.214*	-.395**	-.335**	-.238*	-.328**
69	zHitRate CalmHappy	-.196	-.151	-.911**	-.086	-.095	-.090	-.801**	-.065	.013	-.146	-.109	-.014	-.107
70	zHitRate Calm Target	-.203*	-.177	-.722**	-.026	-.123	-.189	-1.000*	-.207*	-.108	-.319**	-.260**	-.141	-.289**
71	zHitRate Emotional Distractor	-.338**	-.207*	-.817**	-.238*	-.267**	-.202*	-.943**	-.201*	-.108	-.301**	-.250*	-.137	-.269**
72	zHitRate Emotional Target	-.878**	-.487**	-.412**	-.489**	-.610**	-.774**	-.217*	-.364**	-.368**	-.322**	-.351**	-.374**	-.365**
73	zHitRate FearCalm	-.800**	-.123	-.155	-.009	-.120	-.885**	-.140	-.465**	-.476**	-.451**	-.463**	-.460**	-.483**
74	zHitRate Fear Distractor	-.129	-.281**	-.314**	-.332**	-.378**	-.194	-.754**	-.257*	-.180	-.331**	-.295**	-.207*	-.294**
75	zHitRate FearHappy	-.608**	-.040	-.540**	-.144	-.164	-.049	-.210*	-.067	-.038	-.090	-.077	-.051	-.067
76	zHitRate Fear Target	-1.000*	-.137	-.411**	-.115	-.212*	-.703**	-.203*	-.379**	-.375**	-.363**	-.371**	-.373**	-.386**
77	zHitRate HappyCalm	-.137	-1.000*	-.131	-.433**	-.758**	-.544**	-.177	-.069	-.077	-.027	-.062	-.094	-.076
78	zHitRate Happy Distractor	-.411**	-.131	-1.000*	-.142	-.149	-.145	-.722**	-.106	-.036	-.165	-.143	-.060	-.142
79	zHitRate HappyFear	-.115	-.433**	-.142	-1.000*	-.800**	-.211*	-.026	-.083	-.085	-.068	-.081	-.093	-.090
80	zHitRate Happy Target	-.212*	-.758**	-.149	-.800**	-1.000*	-.453**	-.123	-.142	-.155	-.091	-.130	-.168	-.139
81	zHitRate NonEmotional Distractor	-.703**	-.544**	-.145	-.211*	-.453**	-1.000*	-.189	-.458**	-.479**	-.399**	-.438**	-.473**	-.468**
82	zHitRate NonEmotional Target	-.203*	-.177	-.722**	-.026	-.123	-.189	-1.000*	-.207*	-.108	-.319**	-.260**	-.141	-.289**
83	zMissRate Calm Distractor	.703**	.544**	.145	.211*	.453**	1.000**	.189	.458**	.479**	.399**	.438**	.473**	.468**
84	zMissRate CalmFear	.126	.206*	.198	-.027	.150	.208*	.751**	.296**	.214*	.395**	.335**	.238*	.328**
85	zMissRate CalmHappy	.196	.151	.911**	.086	.095	.090	.801**	.065	-.013	.146	.109	.014	.107

		92	93	94	95	96	97	98	99	100	101	102	103	104
86	zMissRate Calm Target	.203*	.177	.722**	.026	.123	.189	1.000**	.207*	.108	.319**	.260**	.141	.289**
87	zMissRate Emotional Distractor	.338**	.207*	.817**	.238*	.267**	.202*	.943**	.201*	.108	.301**	.250*	.137	.269**
88	zMissRate Emotional Target	.878**	.487**	.412**	.489**	.610**	.774**	.217*	.364**	.368**	.322**	.351**	.374**	.365**
89	zMissRate FearCalm	.800**	.123	.155	.009	.120	.885**	.140	.465**	.476**	.451**	.463**	.460**	.483**
90	zMissRate Fear Distractor	.129	.281**	.314**	.332**	.378**	.194	.754**	.257*	.180	.331**	.295**	.207*	.294**
91	zMissRate FearHappy	.608**	.040	.540**	.144	.164	.049	.210*	.067	.038	.090	.077	.051	.067
92	zMissRate Fear Target	1	.137	.411**	.115	.212*	.703**	.203*	.379**	.375**	.363**	.371**	.373**	.386**
93	zMissRate HappyCalm	.137	1	.131	.433**	.758**	.544**	.177	.069	.077	.027	.062	.094	.076
94	zMissRate Happy Distractor	.411**	.131	1	.142	.149	.145	.722**	.106	.036	.165	.143	.060	.142
95	zMissRate HappyFear	.115	.433**	.142	1	.800**	.211*	.026	.083	.085	.068	.081	.093	.090
96	zMissRate Happy Target	.212*	.758**	.149	.800**	1	.453**	.123	.142	.155	.091	.130	.168	.139
97	zMissRate NonEmotional Distractor	.703**	.544**	.145	.211*	.453**	1	.189	.458**	.479**	.399**	.438**	.473**	.468**
98	zMissRate NonEmotional Target	.203*	.177	.722**	.026	.123	.189	1	.207*	.108	.319**	.260**	.141	.289**
99	zRT AllRuns Hits	.379**	.069	.106	.083	.142	.458**	.207*	1	.976**	.953**	.993**	.988**	.974**
100	zRT Calm Distractor Hits	.375**	.077	.036	.085	.155	.479**	.108	.976**	1	.884**	.944**	.988**	.923**
101	zRT Calm Target Hits	.363**	.027	.165	.068	.091	.399**	.319**	.953**	.884**	1	.972**	.897**	.948**
102	zRT Emotional Distractor Hits	.371**	.062	.143	.081	.130	.438**	.260**	.993**	.944**	.972**	1	.968**	.981**
103	zRT Emotional Target Hits	.373**	.094	.060	.093	.168	.473**	.141	.988**	.988**	.897**	.968**	1	.952**
104	zRT Fear Distractor Hits	.386**	.076	.142	.090	.139	.468**	.289**	.974**	.923**	.948**	.981**	.952**	1
105	zRT Fear Target Hits	.393**	.081	.091	.110	.157	.467**	.154	.972**	.973**	.883**	.952**	.985**	.921**
106	zRT Happy Distractor Hits	.349**	.040	.163	.067	.114	.397**	.259*	.978**	.934**	.956**	.982**	.952**	.928**
107	zRT Happy Target Hits	.350**	.137	.027	.110	.201*	.490**	.119	.972**	.971**	.881**	.952**	.984**	.952**
108	zRT Hits Calm	.383**	.050	.110	.075	.124	.452**	.217*	.995**	.971**	.968**	.988**	.972**	.965**
109	ZRT Hits CalmFear	.407**	-.025	.153	.056	.050	.422**	.322**	.922**	.854**	.963**	.940**	.871**	.962**
110	ZRT Hits CalmHappy	.290**	.018	.216*	.055	.082	.352**	.305**	.924**	.861**	.969**	.940**	.866**	.875**
111	zRT Hits Fear	.399**	.073	.099	.090	.147	.470**	.198	.992**	.968**	.934**	.986**	.988**	.979**
112	ZRT Hits FearCalm	.395**	.056	.076	.110	.143	.489**	.117	.946**	.970**	.853**	.916**	.961**	.891**
113	ZRT Hits FearHappy	.368**	.069	.103	.097	.145	.416**	.174	.957**	.935**	.873**	.949**	.967**	.912**
114	zRT Hits Happy	.365**	.082	.100	.088	.154	.459**	.187	.996**	.982**	.932**	.984**	.993**	.956**

		92	93	94	95	96	97	98	99	100	101	102	103	104
115	ZRT Hits HappyCalm	.324**	.108	.010	.104	.174	.443**	.110	.945**	.967**	.859**	.915**	.954**	.897**
116	ZRT Hits HappyFear	.334**	.148	.112	.117	.202*	.485**	.235*	.954**	.930**	.871**	.950**	.967**	.961**
117	zRT Hits	.379**	.069	.106	.083	.142	.458**	.207*	1.000**	.976**	.953**	.993**	.988**	.974**
118	zRT Nonemotional Distractor Hits	.375**	.077	.036	.085	.155	.479**	.108	.976**	1.000**	.884**	.944**	.988**	.923**
119	zRT Nonemotional Target Hits	.363**	.027	.165	.068	.091	.399**	.319**	.953**	.884**	1.000**	.972**	.897**	.948**
120	Zero Complement Presented Framing Index	.023	.094	.108	.203*	.080	.007	.100	.138	.135	.171	.140	.114	.137
121	Zero Complement Presented Gain Lives Risky Choices	.079	-.112	.002	-.179	-.149	.013	.073	.069	.081	-.001	.056	.099	.043
122	Zero Complement Presented Gain Lives Signed Confidence	.091	-.095	.016	-.175	-.149	.034	.071	.047	.060	-.019	.032	.076	.019
123	Zero Complement Presented Gain Risky Choices	.029	-.090	-.022	-.193	-.122	.030	.074	.088	.093	.033	.083	.117	.084
124	Zero Complement Presented Gain Money Risky Choices	-.028	-.042	-.038	-.149	-.060	.038	.054	.080	.077	.056	.085	.099	.099
125	Zero Complement Presented Gain Money Signed Confidence	-.038	-.052	-.012	-.139	-.069	.030	.089	.077	.070	.058	.084	.094	.090
126	Zero Complement Presented Gain Signed Confidence	.026	-.083	.001	-.181	-.124	.037	.093	.073	.075	.025	.069	.099	.065
127	Zero Complement Presented Lives Framing Index	.023	.094	.108	.203*	.080	.007	.100	.138	.135	.171	.140	.114	.137
128	Zero Complement Presented Lives Signed Confidence Framing Index	.019	.091	.100	.182	.072	-.025	.070	.119	.121	.148	.122	.099	.129
129	Zero Complement Presented Loss Lives Risky Choices	.075	.107	.062	.084	.082	.056	.081	.083	.105	.052	.080	.102	.083
130	Zero Complement Presented Loss Lives Signed Confidence	.067	.060	.047	.065	.043	.015	.062	.041	.067	.019	.040	.061	.054
131	Zero Complement Presented Loss Risky Choices	.044	.097	.081	.090	.064	.059	.139	.176	.186	.165	.180	.184	.187
132	Zero Complement Presented Loss Money Risky Choices	-.003	.062	.081	.073	.027	.048	.168	.237*	.230*	.250*	.245*	.230*	.256*
133	Zero Complement Presented Loss Money Signed Confidence	-.019	.049	.102	.062	.009	.003	.174	.217*	.212*	.231*	.229*	.212*	.244*
134	Zero Complement Presented Loss Signed Confidence	.027	.062	.084	.071	.029	.010	.134	.146	.158	.142	.152	.154	.169

		92	93	94	95	96	97	98	99	100	101	102	103	104
135	Zero Complement Presented Money Framing Index	.023	.094	.108	.203*	.080	.007	.100	.138	.135	.171	.140	.114	.137
136	Zero Complement Presented Money Signed Confidence Framing Index	.019	.091	.100	.182	.072	-.025	.070	.119	.121	.148	.122	.099	.129
137	Zero Complement Presented Signed Confidence Framing Index	.019	.091	.100	.182	.072	-.025	.070	.119	.121	.148	.122	.099	.129
138	Framing Index	-.046	-.034	.038	-.021	-.039	-.064	.020	.020	.018	.050	.036	.015	.067
139	Gain Lives Risky Choices	.119	.059	-.032	-.094	-.027	.097	.056	.046	.063	-.030	.028	.081	.024
140	Gain Lives Signed Confidence	.123	.043	-.012	-.097	-.062	.093	.052	.041	.058	-.035	.020	.073	.020
141	Gain Risky Choices	.049	.048	.027	-.080	-.035	.078	.131	.103	.107	.059	.099	.126	.103
142	Gain Money Risky Choices	-.036	.022	.078	-.042	-.033	.035	.165	.127	.117	.129	.140	.132	.150
143	Gain Money Signed Confidence	-.044	.006	.092	-.057	-.064	.023	.203*	.110	.099	.120	.123	.110	.129
144	Gain Signed Confidence	.037	.026	.053	-.088	-.074	.064	.159	.093	.095	.059	.090	.110	.094
145	Both Complements Presented Framing Index	-.047	-.174	.005	-.129	-.149	-.105	-.008	.027	.014	.049	.044	.028	.074
146	Both Complements Presented Gain Lives Risky Choices	.114	.131	-.059	-.058	-.003	.099	-.006	-.001	.018	-.072	-.018	.031	-.018
147	Both Complements Presented Gain Lives Signed Confidence	.135	.089	-.020	-.083	-.063	.093	.008	.021	.038	-.052	.001	.050	.006
148	Both Complements Presented Gain Risky Choices	.060	.098	.038	-.055	-.027	.085	.133	.060	.069	.017	.056	.082	.065
149	Both Complements Presented Gain Money Risky Choices	-.020	.027	.131	-.033	-.044	.041	.238*	.105	.099	.109	.119	.109	.135
150	Both Complements Presented Gain Money Signed Confidence	-.022	.019	.139	-.042	-.056	.050	.259*	.090	.085	.096	.106	.095	.118
151	Both Complements Presented Gain Signed Confidence	.067	.064	.070	-.074	-.070	.085	.157	.066	.073	.026	.063	.086	.072
152	Both Complements Presented Lives Framing Index	-.159	-.172	.053	-.130	-.110	-.156	.117	-.033	-.050	.029	-.004	-.042	.026
153	Both Complements Presented Lives Signed Confidence Framing Index	-.144	-.120	.074	-.066	-.032	-.184	.128	-.083	-.098	-.011	-.053	-.093	-.006
154	Both Complements Presented Loss Lives Risky Choices	-.026	-.022	-.011	-.166	-.097	-.039	.094	-.029	-.026	-.044	-.021	-.007	.005
155	Both Complements Presented Loss Lives Signed Confidence	.006	-.017	.042	-.129	-.084	-.064	.111	-.051	-.048	-.056	-.042	-.034	.001

		92	93	94	95	96	97	98	99	100	101	102	103	104
156	Both Complements Presented Loss Risky Choices	.006	-.057	.039	-.153	-.143	-.022	.113	.076	.069	.058	.088	.094	.123
157	Both Complements Presented Loss Money Risky Choices	.052	-.083	.077	-.109	-.164	.021	.098	.162	.153	.141	.173	.175	.203*
158	Both Complements Presented Loss Money Signed Confidence	.030	-.079	.070	-.118	-.166	-.001	.102	.146	.139	.130	.160	.160	.193
159	Both Complements Presented Loss Signed Confidence	.016	-.052	.064	-.138	-.138	-.044	.123	.052	.048	.041	.066	.069	.111
160	Both Complements Presented Money Framing Index	.095	-.127	-.047	-.100	-.154	.006	-.129	.077	.080	.045	.072	.090	.089
161	Both Complements Presented Money Signed Confidence Framing Index	.077	-.115	-.071	-.101	-.143	-.026	-.162	.069	.074	.038	.063	.082	.085
162	Both Complements Presented Signed Confidence Framing Index	-.046	-.140	.000	-.096	-.102	-.139	-.024	-.008	-.017	.020	.010	-.007	.054
163	Money Framing Index	.087	-.018	-.026	-.009	-.037	.042	-.053	.089	.101	.068	.082	.099	.095
164	Money Risky Choices	.003	.015	.071	-.048	-.052	.057	.150	.176	.170	.168	.187	.186	.204*
165	Money Signed Confidence Framing Index	.073	-.008	-.032	-.002	-.012	.008	-.101	.055	.067	.032	.050	.067	.068
166	Money Signed Confidence	-.015	.003	.091	-.066	-.079	.031	.186	.152	.145	.153	.166	.158	.181
167	Nonzero Complement Presented Framing Index	-.031	-.076	-.042	-.169	-.103	-.037	-.044	-.073	-.061	-.077	-.064	-.058	-.033
168	Nonzero Complement Presented Gain Lives Risky Choices	.108	.109	-.020	-.013	.068	.126	.081	.055	.067	.000	.039	.081	.041
169	Nonzero Complement Presented Gain Lives Signed Confidence	.090	.101	-.025	-.004	.042	.108	.060	.040	.055	-.017	.020	.065	.028
170	Nonzero Complement Presented Gain Risky Choices	.038	.107	.052	.029	.049	.085	.133	.122	.118	.102	.121	.132	.122
171	Nonzero Complement Presented Gain Money Risky Choices	-.045	.067	.105	.060	.014	.015	.137	.146	.128	.167	.160	.137	.160
172	Nonzero Complement Presented Gain Money Signed Confidence	-.050	.034	.104	.004	-.048	-.006	.184	.115	.101	.144	.127	.100	.127
173	Nonzero Complement Presented Gain Signed Confidence	.008	.074	.063	.001	-.014	.048	.162	.103	.101	.096	.102	.105	.106
174	Nonzero Complement Presented Lives Framing Index	-.121	-.106	.039	-.155	-.145	-.131	.011	-.100	-.108	-.063	-.076	-.108	-.042

		92	93	94	95	96	97	98	99	100	101	102	103	104
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.058	-.097	.055	-.161	-.125	-.105	-.007	-.108	-.115	-.082	-.084	-.110	-.049
176	Nonzero Complement Presented Loss Lives Risky Choices	-.052	-.020	.040	-.164	-.094	-.041	.100	-.048	-.049	-.050	-.036	-.039	-.004
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.006	-.015	.052	-.165	-.097	-.028	.071	-.069	-.066	-.082	-.057	-.053	-.020
178	Nonzero Complement Presented Loss Risky Choices	-.023	.012	.025	-.135	-.064	.018	.093	.037	.041	.025	.046	.054	.072
179	Nonzero Complement Presented Loss Money Risky Choices	.036	.052	-.013	-.061	-.002	.095	.043	.124	.134	.099	.126	.148	.139
180	Nonzero Complement Presented Loss Money Signed Confidence	.026	.038	.027	-.096	-.043	.070	.083	.100	.107	.084	.107	.120	.122
181	Nonzero Complement Presented Loss Signed Confidence	-.002	.008	.054	-.153	-.086	.013	.099	.017	.021	.004	.028	.035	.057
182	Nonzero Complement Presented Money Framing Index	.082	-.012	-.116	-.125	-.016	.085	-.090	-.013	.016	-.061	-.025	.021	-.011
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.075	-.007	-.090	-.083	.017	.064	-.131	-.041	-.021	-.088	-.050	-.010	-.039
184	Nonzero Complement Presented Signed Confidence Framing Index	.030	-.054	-.039	-.136	-.050	-.005	-.101	-.089	-.077	-.108	-.081	-.067	-.053

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		105	106	107	108	109	110	111	112	113	114	115	116	117
1	Criterion	.480**	.535**	.417**	.494**	.579**	.555**	.484**	.466**	.493**	.468**	.378**	.477**	.485**
2	Criterion Calm Distractor	.538**	.488**	.489**	.519**	.498**	.467**	.520**	.559**	.481**	.515**	.461**	.509**	.516**
3	Criterion CalmFear	.323**	.421**	.322**	.409**	.478**	.460**	.379**	.281**	.344**	.367**	.323**	.357**	.394**
4	Criterion CalmHappy	.261**	.330**	.179	.276**	.269**	.388**	.260**	.263**	.251*	.265**	.136	.236*	.268**
5	Criterion Calm Target	.382**	.468**	.326**	.435**	.486**	.515**	.418**	.351**	.389**	.400**	.290**	.380**	.423**
6	Criterion Emotional Distractor	.471**	.520**	.388**	.488**	.531**	.531**	.485**	.444**	.470**	.464**	.340**	.449**	.483**
7	Criterion Emotional Target	.584**	.507**	.484**	.517**	.544**	.462**	.539**	.582**	.553**	.517**	.434**	.502**	.522**
8	Criterion FearCalm	.455**	.447**	.433**	.466**	.461**	.431**	.464**	.486**	.421**	.452**	.414**	.443**	.459**
9	Criterion Fear Distractor	.427**	.479**	.376**	.449**	.461**	.508**	.438**	.400**	.428**	.437**	.363**	.474**	.447**
10	Criterion FearHappy	.334**	.336**	.251*	.334**	.416**	.284**	.358**	.305**	.342**	.304**	.187	.274**	.332**
11	Criterion Fear Target	.494**	.455**	.429**	.481**	.523**	.401**	.506**	.491**	.468**	.463**	.376**	.445**	.481**
12	Criterion HappyCalm	.264**	.265**	.249*	.270**	.246*	.268**	.252*	.262**	.238*	.266**	.252*	.264**	.263**
13	Criterion Happy Distractor	.375**	.420**	.290**	.384**	.410**	.425**	.386**	.359**	.371**	.367**	.225*	.348**	.380**
14	Criterion HappyFear	.447**	.380**	.367**	.365**	.311**	.347**	.388**	.449**	.421**	.391**	.329**	.394**	.379**
15	Criterion Happy Target	.422**	.398**	.367**	.385**	.342**	.385**	.390**	.426**	.391**	.402**	.339**	.426**	.392**
16	Criterion NonEmotional Distractor	.538**	.488**	.489**	.519**	.498**	.467**	.520**	.559**	.481**	.515**	.461**	.509**	.516**
17	Criterion NonEmotional Target	.382**	.468**	.326**	.435**	.486**	.515**	.418**	.351**	.389**	.400**	.290**	.380**	.423**
18	DPrime	.223*	.180	.211*	.193	.126	.146	.205*	.246*	.204*	.205*	.184	.189	.198*
19	DPrime Calm Distractor	-.002	.044	-.085	.003	.016	.081	-.019	-.011	.002	-.011	-.049	-.052	-.009
20	DPrime CalmFear	.052	.028	.031	.035	.021	.046	.041	.090	.036	.041	.002	.039	.037
21	DPrime CalmHappy	.198	.145	.182	.173	.123	.110	.178	.214*	.175	.172	.172	.126	.170
22	DPrime Calm Target	.192	.129	.184	.158	.091	.093	.168	.214*	.169	.163	.161	.130	.159
23	DPrime Emotional Distractor	.292**	.224*	.286**	.250*	.174	.163	.270**	.308**	.264**	.265**	.242*	.268**	.258*
24	DPrime Emotional Target	.191	.227*	.133	.198	.193	.254*	.190	.191	.181	.195	.112	.206*	.196
25	DPrime FearCalm	-.065	-.044	-.108	-.080	-.088	-.018	-.080	-.072	-.048	-.074	-.084	-.078	-.077
26	DPrime Fear Distractor	.260*	.231*	.204*	.220*	.139	.231*	.227*	.294**	.227*	.239*	.156	.227*	.225*
27	DPrime FearHappy	.240*	.260*	.259*	.275**	.287**	.261*	.281**	.250*	.225*	.264**	.187	.296**	.276**
28	DPrime Fear Target	.066	.085	.047	.068	.080	.101	.078	.057	.069	.071	.013	.104	.074

		105	106	107	108	109	110	111	112	113	114	115	116	117
29	DPrime HappyCalm	.204*	.244*	.145	.240*	.264*	.266**	.202*	.218*	.186	.209*	.171	.152	.218*
30	DPrime Happy Distractor	.266**	.214*	.269**	.252*	.234*	.145	.268**	.269**	.243*	.248*	.226*	.247*	.254*
31	DPrime HappyFear	.343**	.336**	.280**	.312**	.251*	.313**	.321**	.344**	.329**	.326**	.246*	.302**	.319**
32	DPrime Happy Target	.296**	.330**	.204*	.305**	.317**	.352**	.286**	.313**	.274**	.292**	.201*	.278**	.294**
33	DPrime NonEmotional Distractor	-.002	.044	-.085	.003	.016	.081	-.019	-.011	.002	-.011	-.049	-.052	-.009
34	DPrime NonEmotional Target	.192	.129	.184	.158	.091	.093	.168	.214*	.169	.163	.161	.130	.159
35	zCorrectRejectionRate Calm Distractor	.371**	.368**	.295**	.366**	.351**	.372**	.355**	.378**	.333**	.355**	.296**	.335**	.357**
36	zCorrectRejectionRate CalmFear	.293**	.358**	.280**	.353**	.400**	.390**	.332**	.281**	.301**	.322**	.263**	.311**	.341**
37	zCorrectRejectionRate CalmHappy	.315**	.325**	.249*	.308**	.270**	.339**	.301**	.328**	.292**	.300**	.214*	.245*	.301**
38	zCorrectRejectionRate Calm Target	.423**	.445**	.373**	.439**	.453**	.450**	.433**	.412**	.412**	.416**	.330**	.379**	.431**
39	zCorrectRejectionRate Emotional Distractor	.540**	.530**	.472**	.523**	.517**	.503**	.533**	.531**	.521**	.515**	.408**	.494**	.524**
40	zCorrectRejectionRate Emotional Target	.524**	.487**	.421**	.479**	.495**	.467**	.491**	.522**	.496**	.477**	.374**	.471**	.481**
41	zCorrectRejectionRate FearCalm	.282**	.286**	.241*	.281**	.269**	.291**	.280**	.300**	.266**	.275**	.242*	.268**	.278**
42	zCorrectRejectionRate Fear Distractor	.471**	.491**	.397**	.462**	.433**	.509**	.458**	.468**	.454**	.462**	.359**	.481**	.463**
43	zCorrectRejectionRate FearHappy	.341**	.354**	.302**	.361**	.419**	.324**	.379**	.329**	.337**	.337**	.223*	.337**	.360**
44	zCorrectRejectionRate Fear Target	.408**	.387**	.347**	.397**	.436**	.353**	.421**	.400**	.389**	.385**	.288**	.388**	.400**
45	zCorrectRejectionRate HappyCalm	.253*	.280**	.218*	.281**	.275**	.293**	.251*	.259*	.229*	.262**	.233*	.231*	.265**
46	zCorrectRejectionRate Happy Distractor	.443**	.440**	.384**	.439**	.448**	.405**	.452**	.435**	.424**	.425**	.312**	.404**	.438**
47	zCorrectRejectionRate HappyFear	.439**	.407**	.369**	.386**	.311**	.376**	.404**	.440**	.417**	.408**	.328**	.397**	.397**
48	zCorrectRejectionRate Happy Target	.412**	.419**	.332**	.397**	.377**	.424**	.390**	.421**	.381**	.400**	.314**	.414**	.396**
49	zCorrectRejectionRate NonEmotional Distractor	.371**	.368**	.295**	.366**	.351**	.372**	.355**	.378**	.333**	.355**	.296**	.335**	.357**
50	zCorrectRejectionRate NonEmotional Target	.423**	.445**	.373**	.439**	.453**	.450**	.433**	.412**	.412**	.416**	.330**	.379**	.431**
51	zFalseAlarmRate Calm Distractor	-.371**	-.368**	-.295**	-.366**	-.351**	-.372**	-.355**	-.378**	-.333**	-.355**	-.296**	-.335**	-.357**
52	zFalseAlarmRate CalmFear	-.284**	-.352**	-.266**	-.346**	-.398**	-.388**	-.322**	-.271**	-.292**	-.312**	-.253*	-.295**	-.332**
53	zFalseAlarmRate CalmHappy	-.302**	-.313**	-.237*	-.296**	-.257*	-.327**	-.288**	-.315**	-.279**	-.287**	-.202*	-.232*	-.288**
54	zFalseAlarmRate Calm Target	-.423**	-.445**	-.373**	-.439**	-.453**	-.450**	-.433**	-.412**	-.412**	-.416**	-.330**	-.379**	-.431**
55	zFalseAlarmRate Emotional Distractor	-.540**	-.530**	-.472**	-.523**	-.517**	-.503**	-.533**	-.531**	-.521**	-.515**	-.408**	-.494**	-.524**
56	zFalseAlarmRate Emotional Target	-.524**	-.487**	-.421**	-.479**	-.495**	-.467**	-.491**	-.522**	-.496**	-.477**	-.374**	-.471**	-.481**

		105	106	107	108	109	110	111	112	113	114	115	116	117
57	zFalseAlarmRate FearCalm	-.270**	-.274**	-.224*	-.273**	-.258*	-.289**	-.266**	-.298**	-.243*	-.263**	-.228*	-.250*	-.265**
58	zFalseAlarmRate Fear Distractor	-.471**	-.491**	-.397**	-.462**	-.433**	-.509**	-.458**	-.468**	-.454**	-.462**	-.359**	-.481**	-.463**
59	zFalseAlarmRate FearHappy	-.340**	-.353**	-.307**	-.363**	-.429**	-.320**	-.382**	-.323**	-.341**	-.337**	-.229*	-.340**	-.362**
60	zFalseAlarmRate Fear Target	-.408**	-.387**	-.347**	-.397**	-.436**	-.353**	-.421**	-.400**	-.389**	-.385**	-.288**	-.388**	-.400**
61	zFalseAlarmRate HappyCalm	-.267**	-.302**	-.228*	-.296**	-.289**	-.316**	-.262**	-.267**	-.249*	-.277**	-.250*	-.237*	-.279**
62	zFalseAlarmRate Happy Distractor	-.443**	-.440**	-.384**	-.439**	-.448**	-.405**	-.452**	-.435**	-.424**	-.425**	-.312**	-.404**	-.438**
63	zFalseAlarmRate HappyFear	-.434**	-.397**	-.358**	-.376**	-.306**	-.363**	-.398**	-.438**	-.410**	-.399**	-.314**	-.389**	-.389**
64	zFalseAlarmRate Happy Target	-.412**	-.419**	-.332**	-.397**	-.377**	-.424**	-.390**	-.421**	-.381**	-.400**	-.314**	-.414**	-.396**
65	zFalseAlarmRate NonEmotional Distractor	-.371**	-.368**	-.295**	-.366**	-.351**	-.372**	-.355**	-.378**	-.333**	-.355**	-.296**	-.335**	-.357**
66	zFalseAlarmRate NonEmotional Target	-.423**	-.445**	-.373**	-.439**	-.453**	-.450**	-.433**	-.412**	-.412**	-.416**	-.330**	-.379**	-.431**
67	zHitRate Calm Distractor	-.467**	-.397**	-.490**	-.452**	-.422**	-.352**	-.470**	-.489**	-.416**	-.459**	-.443**	-.485**	-.458**
68	zHitRate CalmFear	-.229*	-.326**	-.240*	-.310**	-.367**	-.345**	-.281**	-.175	-.257*	-.272**	-.260*	-.259*	-.296**
69	zHitRate CalmHappy	-.037	-.128	.009	-.069	-.111	-.192	-.054	-.026	-.046	-.061	.032	-.092	-.065
70	zHitRate Calm Target	-.154	-.259*	-.119	-.217*	-.322**	-.305**	-.198	-.117	-.174	-.187	-.110	-.235*	-.207*
71	zHitRate Emotional Distractor	-.162	-.252*	-.108	-.210*	-.308**	-.293**	-.195	-.130	-.180	-.182	-.105	-.210*	-.201*
72	zHitRate Emotional Target	-.402**	-.329**	-.369**	-.357**	-.362**	-.266**	-.384**	-.398**	-.380**	-.359**	-.336**	-.354**	-.364**
73	zHitRate FearCalm	-.454**	-.429**	-.463**	-.474**	-.474**	-.404**	-.473**	-.490**	-.409**	-.457**	-.430**	-.452**	-.465**
74	zHitRate Fear Distractor	-.209*	-.282**	-.207*	-.263**	-.311**	-.305**	-.248*	-.165	-.230*	-.240*	-.232*	-.261*	-.257*
75	zHitRate FearHappy	-.101	-.086	-.005	-.070	-.135	-.034	-.088	-.064	-.123	-.050	-.012	.009	-.067
76	zHitRate Fear Target	-.393**	-.349**	-.350**	-.383**	-.407**	-.290**	-.399**	-.395**	-.368**	-.365**	-.324**	-.334**	-.379**
77	zHitRate HappyCalm	-.081	-.040	-.137	-.050	.025	-.018	-.073	-.056	-.069	-.082	-.108	-.148	-.069
78	zHitRate Happy Distractor	-.091	-.163	-.027	-.110	-.153	-.216*	-.099	-.076	-.103	-.100	-.010	-.112	-.106
79	zHitRate HappyFear	-.110	-.067	-.110	-.075	-.056	-.055	-.090	-.110	-.097	-.088	-.104	-.117	-.083
80	zHitRate Happy Target	-.157	-.114	-.201*	-.124	-.050	-.082	-.147	-.143	-.145	-.154	-.174	-.202*	-.142
81	zHitRate NonEmotional Distractor	-.467**	-.397**	-.490**	-.452**	-.422**	-.352**	-.470**	-.489**	-.416**	-.459**	-.443**	-.485**	-.458**
82	zHitRate NonEmotional Target	-.154	-.259*	-.119	-.217*	-.322**	-.305**	-.198	-.117	-.174	-.187	-.110	-.235*	-.207*
83	zMissRate Calm Distractor	.467**	.397**	.490**	.452**	.422**	.352**	.470**	.489**	.416**	.459**	.443**	.485**	.458**
84	zMissRate CalmFear	.229*	.326**	.240*	.310**	.367**	.345**	.281**	.175	.257*	.272**	.260*	.259*	.296**
85	zMissRate CalmHappy	.037	.128	-.009	.069	.111	.192	.054	.026	.046	.061	-.032	.092	.065

		105	106	107	108	109	110	111	112	113	114	115	116	117
86	zMissRate Calm Target	.154	.259*	.119	.217*	.322**	.305**	.198	.117	.174	.187	.110	.235*	.207*
87	zMissRate Emotional Distractor	.162	.252*	.108	.210*	.308**	.293**	.195	.130	.180	.182	.105	.210*	.201*
88	zMissRate Emotional Target	.402**	.329**	.369**	.357**	.362**	.266**	.384**	.398**	.380**	.359**	.336**	.354**	.364**
89	zMissRate FearCalm	.454**	.429**	.463**	.474**	.474**	.404**	.473**	.490**	.409**	.457**	.430**	.452**	.465**
90	zMissRate Fear Distractor	.209*	.282**	.207*	.263**	.311**	.305**	.248*	.165	.230*	.240*	.232*	.261*	.257*
91	zMissRate FearHappy	.101	.086	.005	.070	.135	.034	.088	.064	.123	.050	.012	-.009	.067
92	zMissRate Fear Target	.393**	.349**	.350**	.383**	.407**	.290**	.399**	.395**	.368**	.365**	.324**	.334**	.379**
93	zMissRate HappyCalm	.081	.040	.137	.050	-.025	.018	.073	.056	.069	.082	.108	.148	.069
94	zMissRate Happy Distractor	.091	.163	.027	.110	.153	.216*	.099	.076	.103	.100	.010	.112	.106
95	zMissRate HappyFear	.110	.067	.110	.075	.056	.055	.090	.110	.097	.088	.104	.117	.083
96	zMissRate Happy Target	.157	.114	.201*	.124	.050	.082	.147	.143	.145	.154	.174	.202*	.142
97	zMissRate NonEmotional Distractor	.467**	.397**	.490**	.452**	.422**	.352**	.470**	.489**	.416**	.459**	.443**	.485**	.458**
98	zMissRate NonEmotional Target	.154	.259*	.119	.217*	.322**	.305**	.198	.117	.174	.187	.110	.235*	.207*
99	zRT AllRuns Hits	.972**	.978**	.972**	.995**	.922**	.924**	.992**	.946**	.957**	.996**	.945**	.954**	1.000**
100	zRT Calm Distractor Hits	.973**	.934**	.971**	.971**	.854**	.861**	.968**	.970**	.935**	.982**	.967**	.930**	.976**
101	zRT Calm Target Hits	.883**	.956**	.881**	.968**	.963**	.969**	.934**	.853**	.873**	.932**	.859**	.871**	.953**
102	zRT Emotional Distractor Hits	.952**	.982**	.952**	.988**	.940**	.940**	.986**	.916**	.949**	.984**	.915**	.950**	.993**
103	zRT Emotional Target Hits	.985**	.952**	.984**	.972**	.871**	.866**	.988**	.961**	.967**	.993**	.954**	.967**	.988**
104	zRT Fear Distractor Hits	.921**	.928**	.952**	.965**	.962**	.875**	.979**	.891**	.912**	.956**	.897**	.961**	.974**
105	zRT Fear Target Hits	1	.949**	.939**	.956**	.852**	.852**	.981**	.981**	.978**	.978**	.904**	.927**	.972**
106	zRT Happy Distractor Hits	.949**	1	.922**	.975**	.883**	.967**	.957**	.906**	.954**	.978**	.904**	.906**	.978**
107	zRT Happy Target Hits	.939**	.922**	1	.956**	.863**	.847**	.965**	.911**	.926**	.975**	.973**	.977**	.972**
108	zRT Hits Calm	.956**	.975**	.956**	1	.934**	.941**	.980**	.939**	.932**	.987**	.943**	.926**	.995**
109	ZRT Hits CalmFear	.852**	.883**	.863**	.934**	1	.855**	.926**	.818**	.847**	.886**	.833**	.850**	.922**
110	ZRT Hits CalmHappy	.852**	.967**	.847**	.941**	.855**	1	.880**	.827**	.841**	.920**	.842**	.839**	.924**
111	zRT Hits Fear	.981**	.957**	.965**	.980**	.926**	.880**	1	.957**	.965**	.986**	.920**	.963**	.992**
112	ZRT Hits FearCalm	.981**	.906**	.911**	.939**	.818**	.827**	.957**	1	.917**	.953**	.875**	.901**	.946**
113	ZRT Hits FearHappy	.978**	.954**	.926**	.932**	.847**	.841**	.965**	.917**	1	.961**	.894**	.914**	.957**
114	zRT Hits Happy	.978**	.978**	.975**	.987**	.886**	.920**	.986**	.953**	.961**	1	.951**	.957**	.996**

		105	106	107	108	109	110	111	112	113	114	115	116	117
115	ZRT Hits HappyCalm	.904**	.904**	.973**	.943**	.833**	.842**	.920**	.875**	.894**	.951**	1	.901**	.945**
116	ZRT Hits HappyFear	.927**	.906**	.977**	.926**	.850**	.839**	.963**	.901**	.914**	.957**	.901**	1	.954**
117	zRT Hits	.972**	.978**	.972**	.995**	.922**	.924**	.992**	.946**	.957**	.996**	.945**	.954**	1
118	zRT Nonemotional Distractor Hits	.973**	.934**	.971**	.971**	.854**	.861**	.968**	.970**	.935**	.982**	.967**	.930**	.976**
119	zRT Nonemotional Target Hits	.883**	.956**	.881**	.968**	.963**	.969**	.934**	.853**	.873**	.932**	.859**	.871**	.953**
120	Zero Complement Presented Framing Index	.121	.135	.112	.159	.169	.166	.127	.123	.093	.130	.159	.100	.138
121	Zero Complement Presented Gain Lives Risky Choices	.119	.072	.071	.044	-.001	.017	.086	.108	.134	.081	.063	.081	.069
122	Zero Complement Presented Gain Lives Signed Confidence	.099	.048	.043	.025	-.015	-.007	.065	.089	.112	.058	.048	.048	.047
123	Zero Complement Presented Gain Risky Choices	.116	.082	.110	.062	.040	.017	.104	.102	.143	.095	.089	.119	.088
124	Zero Complement Presented Gain Money Risky Choices	.077	.068	.116	.060	.068	.013	.090	.064	.108	.080	.088	.121	.080
125	Zero Complement Presented Gain Money Signed Confidence	.078	.076	.105	.057	.059	.019	.086	.058	.116	.079	.081	.111	.077
126	Zero Complement Presented Gain Signed Confidence	.103	.072	.088	.049	.028	.008	.088	.084	.132	.080	.076	.094	.073
127	Zero Complement Presented Lives Framing Index	.121	.135	.112	.159	.169	.166	.127	.123	.093	.130	.159	.100	.138
128	Zero Complement Presented Lives Signed Confidence Framing Index	.095	.107	.109	.139	.168	.129	.109	.092	.075	.109	.159	.090	.119
129	Zero Complement Presented Loss Lives Risky Choices	.101	.068	.108	.073	.058	.054	.090	.103	.109	.088	.124	.107	.083
130	Zero Complement Presented Loss Lives Signed Confidence	.053	.019	.080	.034	.049	-.004	.049	.052	.069	.042	.103	.063	.041
131	Zero Complement Presented Loss Risky Choices	.175	.160	.197	.172	.173	.138	.180	.169	.181	.175	.219*	.192	.176
132	Zero Complement Presented Loss Money Risky Choices	.213*	.221*	.246*	.240*	.257*	.198	.235*	.200*	.215*	.228*	.269**	.237*	.237*
133	Zero Complement Presented Loss Money Signed Confidence	.190	.203*	.237*	.219*	.253*	.167	.215*	.164	.208*	.208*	.269**	.219*	.217*
134	Zero Complement Presented Loss Signed Confidence	.137	.126	.180	.143	.172	.092	.149	.121	.157	.141	.210*	.160	.146

		105	106	107	108	109	110	111	112	113	114	115	116	117
135	Zero Complement Presented Money Framing Index	.121	.135	.112	.159	.169	.166	.127	.123	.093	.130	.159	.100	.138
136	Zero Complement Presented Money Signed Confidence Framing Index	.095	.107	.109	.139	.168	.129	.109	.092	.075	.109	.159	.090	.119
137	Zero Complement Presented Signed Confidence Framing Index	.095	.107	.109	.139	.168	.129	.109	.092	.075	.109	.159	.090	.119
138	Framing Index	-.032	.003	.061	.024	.057	-.012	.011	-.070	-.024	.013	.074	.071	.020
139	Gain Lives Risky Choices	.106	.030	.052	.021	-.012	-.028	.072	.101	.114	.055	.049	.056	.046
140	Gain Lives Signed Confidence	.099	.019	.041	.018	-.005	-.039	.067	.095	.105	.047	.051	.041	.041
141	Gain Risky Choices	.141	.093	.112	.082	.070	.047	.124	.141	.156	.107	.100	.123	.103
142	Gain Money Risky Choices	.131	.128	.136	.116	.130	.108	.137	.135	.149	.125	.120	.153	.127
143	Gain Money Signed Confidence	.113	.116	.109	.102	.116	.105	.116	.117	.129	.107	.104	.123	.110
144	Gain Signed Confidence	.127	.085	.092	.076	.073	.046	.111	.127	.140	.095	.095	.101	.093
145	Both Complements Presented Framing Index	-.021	.008	.067	.022	.050	-.037	.027	-.071	.000	.019	.058	.083	.027
146	Both Complements Presented Gain Lives Risky Choices	.053	-.016	.009	-.022	-.039	-.062	.022	.051	.063	.008	.017	.008	-.001
147	Both Complements Presented Gain Lives Signed Confidence	.076	.000	.022	.001	-.008	-.048	.045	.072	.083	.027	.043	.021	.021
148	Both Complements Presented Gain Risky Choices	.108	.055	.061	.042	.049	.018	.082	.110	.118	.065	.061	.077	.060
149	Both Complements Presented Gain Money Risky Choices	.128	.114	.097	.097	.129	.099	.119	.134	.138	.104	.088	.127	.105
150	Both Complements Presented Gain Money Signed Confidence	.115	.103	.082	.082	.105	.091	.104	.123	.126	.091	.074	.115	.090
151	Both Complements Presented Gain Signed Confidence	.114	.061	.061	.049	.057	.024	.088	.116	.124	.070	.069	.080	.066
152	Both Complements Presented Lives Framing Index	-.085	-.037	-.011	-.030	.006	-.041	-.036	-.111	-.080	-.041	-.033	.036	-.033
153	Both Complements Presented Lives Signed Confidence Framing Index	-.140	-.103	-.054	-.076	-.001	-.122	-.079	-.169	-.138	-.098	-.080	-.017	-.083
154	Both Complements Presented Loss Lives Risky Choices	-.021	-.047	-.001	-.047	-.033	-.093	-.010	-.043	-.006	-.028	-.012	.038	-.029
155	Both Complements Presented Loss Lives Signed Confidence	-.046	-.083	-.023	-.064	-.008	-.138	-.026	-.068	-.032	-.059	-.026	.006	-.051

		105	106	107	108	109	110	111	112	113	114	115	116	117
156	Both Complements Presented Loss Risky Choices	.074	.055	.112	.055	.088	-.016	.094	.034	.105	.072	.105	.139	.076
157	Both Complements Presented Loss Money Risky Choices	.156	.144	.193	.145	.177	.069	.176	.117	.188	.157	.191	.201	.162
158	Both Complements Presented Loss Money Signed Confidence	.139	.126	.184	.130	.170	.048	.162	.099	.173	.140	.185	.190	.146
159	Both Complements Presented Loss Signed Confidence	.048	.022	.090	.035	.094	-.054	.075	.011	.079	.043	.089	.111	.052
160	Both Complements Presented Money Framing Index	.057	.049	.116	.067	.060	-.018	.079	.014	.075	.075	.121	.099	.077
161	Both Complements Presented Money Signed Confidence Framing Index	.044	.034	.115	.060	.067	-.037	.072	.000	.061	.064	.122	.091	.069
162	Both Complements Presented Signed Confidence Framing Index	-.063	-.041	.043	-.010	.050	-.097	-.004	-.115	-.042	-.022	.032	.048	-.008
163	Money Framing Index	.074	.065	.121	.087	.081	.012	.088	.036	.075	.088	.141	.101	.089
164	Money Risky Choices	.173	.166	.201*	.163	.175	.119	.186	.158	.192	.173	.194	.209*	.176
165	Money Signed Confidence Framing Index	.036	.027	.097	.051	.059	-.034	.056	-.006	.045	.052	.112	.075	.055
166	Money Signed Confidence	.147	.146	.173	.142	.162	.103	.160	.130	.170	.148	.174	.178	.152
167	Nonzero Complement Presented Framing Index	-.107	-.086	-.022	-.079	-.068	-.124	-.076	-.148	-.097	-.069	-.028	.003	-.073
168	Nonzero Complement Presented Gain Lives Risky Choices	.102	.028	.059	.036	.010	-.020	.081	.102	.101	.057	.047	.058	.055
169	Nonzero Complement Presented Gain Lives Signed Confidence	.086	.005	.043	.024	.010	-.042	.067	.089	.081	.041	.042	.039	.040
170	Nonzero Complement Presented Gain Risky Choices	.147	.108	.122	.109	.095	.085	.139	.157	.149	.121	.112	.129	.122
171	Nonzero Complement Presented Gain Money Risky Choices	.139	.149	.143	.143	.146	.162	.148	.155	.145	.142	.138	.154	.146
172	Nonzero Complement Presented Gain Money Signed Confidence	.104	.119	.100	.119	.133	.141	.113	.120	.106	.108	.112	.105	.115
173	Nonzero Complement Presented Gain Signed Confidence	.118	.088	.094	.098	.101	.080	.115	.131	.117	.098	.102	.095	.103
174	Nonzero Complement Presented Lives Framing Index	-.153	-.101	-.072	-.097	-.061	-.083	-.111	-.170	-.148	-.101	-.076	-.022	-.100

		105	106	107	108	109	110	111	112	113	114	115	116	117
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.151	-.108	-.073	-.111	-.072	-.119	-.114	-.184	-.136	-.109	-.085	-.029	-.108
176	Nonzero Complement Presented Loss Lives Risky Choices	-.066	-.065	-.020	-.059	-.040	-.080	-.042	-.082	-.057	-.049	-.029	.024	-.048
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.077	-.089	-.031	-.083	-.050	-.132	-.056	-.105	-.058	-.070	-.039	.003	-.069
178	Nonzero Complement Presented Loss Risky Choices	.023	.020	.081	.024	.027	-.022	.044	-.001	.038	.038	.072	.103	.037
179	Nonzero Complement Presented Loss Money Risky Choices	.123	.108	.176	.109	.091	.039	.132	.097	.139	.128	.164	.173	.124
180	Nonzero Complement Presented Loss Money Signed Confidence	.095	.087	.149	.086	.084	.015	.107	.065	.117	.101	.142	.146	.100
181	Nonzero Complement Presented Loss Signed Confidence	.006	.000	.066	.002	.021	-.061	.027	-.028	.031	.016	.059	.081	.017
182	Nonzero Complement Presented Money Framing Index	-.007	-.034	.042	-.026	-.049	-.117	-.007	-.054	.003	-.005	.036	.028	-.013
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.036	-.058	.012	-.057	-.077	-.139	-.034	-.080	-.021	-.033	-.006	.005	-.041
184	Nonzero Complement Presented Signed Confidence Framing Index	-.108	-.101	-.031	-.102	-.093	-.166	-.085	-.157	-.089	-.084	-.052	-.010	-.089

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		118	119	120	121	122	123	124	125	126	127	128	129	130
1	Criterion	.409**	.579**	.190	.019	.002	.014	.005	.027	.017	.190	.152	.119	.072
2	Criterion Calm Distractor	.512**	.494**	.163	-.042	-.019	-.044	-.033	-.024	-.025	.163	.100	.150	.082
3	Criterion CalmFear	.306**	.493**	.167	.146	.117	.110	.042	.060	.101	.167	.149	.156	.118
4	Criterion CalmHappy	.199*	.329**	.132	.012	.013	-.010	-.028	.002	.008	.132	.093	-.033	-.060
5	Criterion Calm Target	.325**	.527**	.142	.064	.049	.056	.032	.060	.063	.142	.101	.034	-.004
6	Criterion Emotional Distractor	.393**	.557**	.134	.075	.042	.057	.023	.041	.048	.134	.098	.041	-.008
7	Criterion Emotional Target	.497**	.507**	.109	.020	.013	.012	.001	.005	.010	.109	.066	.113	.056
8	Criterion FearCalm	.458**	.460**	.055	.000	.038	.047	.079	.087	.074	.055	.002	.067	.005
9	Criterion Fear Distractor	.369**	.509**	.215*	.063	.011	.041	.008	.019	.017	.215*	.184	.185	.105
10	Criterion FearHappy	.266**	.379**	-.051	.137	.126	.102	.038	.037	.092	-.051	-.049	-.031	-.041
11	Criterion Fear Target	.450**	.481**	-.006	.107	.119	.089	.046	.048	.095	-.006	-.035	.033	-.006
12	Criterion HappyCalm	.252*	.277**	.227*	-.129	-.138	-.142	-.112	-.117	-.147	.227*	.212*	.166	.151
13	Criterion Happy Distractor	.303**	.436**	.044	.061	.053	.047	.019	.036	.051	.044	.023	-.063	-.079
14	Criterion HappyFear	.373**	.347**	.196	-.099	-.143	-.078	-.034	-.025	-.094	.196	.142	.074	-.004
15	Criterion Happy Target	.376**	.380**	.208*	-.109	-.137	-.099	-.060	-.057	-.110	.208*	.164	.159	.088
16	Criterion NonEmotional Distractor	.512**	.494**	.163	-.042	-.019	-.044	-.033	-.024	-.025	.163	.100	.150	.082
17	Criterion NonEmotional Target	.325**	.527**	.142	.064	.049	.056	.032	.060	.063	.142	.101	.034	-.004
18	DPrime	.227*	.158	-.040	-.001	-.036	.029	.049	.032	.000	-.040	-.047	-.099	-.117
19	DPrime Calm Distractor	-.042	.047	.190	-.071	-.071	-.096	-.093	-.071	-.082	.190	.157	.105	.079
20	DPrime CalmFear	.053	.016	.033	-.091	-.109	-.111	-.097	-.108	-.126	.033	.051	-.071	-.111
21	DPrime CalmHappy	.206*	.125	-.025	.009	-.009	-.015	-.033	-.058	-.040	-.025	-.028	-.103	-.101
22	DPrime Calm Target	.200*	.104	.007	-.040	-.055	-.051	-.047	-.069	-.072	.007	.006	-.086	-.100
23	DPrime Emotional Distractor	.294**	.194	-.040	.026	-.010	.042	.046	.026	.010	-.040	-.048	-.109	-.127
24	DPrime Emotional Target	.154	.237*	.086	.026	-.013	.042	.045	.060	.030	.086	.050	.001	-.048
25	DPrime FearCalm	-.092	-.057	.053	-.069	-.028	-.021	.032	.064	.023	.053	.012	.044	-.010
26	DPrime Fear Distractor	.238*	.193	.046	-.054	-.096	-.046	-.025	-.030	-.071	.046	.026	-.064	-.128
27	DPrime FearHappy	.239*	.300**	-.120	.137	.098	.167	.147	.135	.136	-.120	-.116	-.166	-.178
28	DPrime Fear Target	.038	.100	-.044	.024	.024	.077	.106	.126	.090	-.044	-.077	-.071	-.113

		118	119	120	121	122	123	124	125	126	127	128	129	130
29	DPrime HappyCalm	.200*	.267**	.157	-.040	-.065	-.071	-.081	-.078	-.083	.157	.144	.083	.106
30	DPrime Happy Distractor	.270**	.228*	-.106	.062	.034	.080	.074	.056	.052	-.106	-.117	-.154	-.151
31	DPrime HappyFear	.310**	.299**	.010	.069	.018	.104	.108	.108	.076	.010	-.027	-.003	-.068
32	DPrime Happy Target	.262**	.334**	.151	.033	.001	.016	-.005	.008	.005	.151	.110	.094	.055
33	DPrime NonEmotional Distractor	-.042	.047	.190	-.071	-.071	-.096	-.093	-.071	-.082	.190	.157	.105	.079
34	DPrime NonEmotional Target	.200*	.104	.007	-.040	-.055	-.051	-.047	-.069	-.072	.007	.006	-.086	-.100
35	zCorrectRejectionRate Calm Distractor	.335**	.374**	.223*	-.070	-.053	-.086	-.076	-.058	-.065	.223*	.160	.165	.103
36	zCorrectRejectionRate CalmFear	.280**	.409**	.155	.063	.029	.022	-.025	-.017	.006	.155	.151	.084	.029
37	zCorrectRejectionRate CalmHappy	.280**	.310**	.071	.015	.002	-.017	-.043	-.040	-.023	.071	.043	-.095	-.112
38	zCorrectRejectionRate Calm Target	.383**	.473**	.113	.022	.000	.008	-.008	-.001	-.001	.113	.081	-.033	-.071
39	zCorrectRejectionRate Emotional Distractor	.481**	.539**	.074	.072	.025	.069	.047	.047	.042	.074	.043	-.039	-.088
40	zCorrectRejectionRate Emotional Target	.442**	.492**	.124	.028	.003	.030	.024	.034	.023	.124	.074	.084	.016
41	zCorrectRejectionRate FearCalm	.269**	.288**	.068	-.038	.011	.021	.073	.097	.065	.068	.008	.072	-.002
42	zCorrectRejectionRate Fear Distractor	.410**	.493**	.190	.019	-.043	.007	-.007	-.002	-.025	.190	.155	.108	.012
43	zCorrectRejectionRate FearHappy	.300**	.403**	-.100	.162	.133	.159	.108	.100	.134	-.100	-.096	-.115	-.127
44	zCorrectRejectionRate Fear Target	.357**	.414**	-.028	.093	.102	.109	.092	.105	.120	-.028	-.068	-.014	-.066
45	zCorrectRejectionRate HappyCalm	.249*	.300**	.212*	-.094	-.112	-.118	-.106	-.108	-.127	.212*	.196	.138	.142
46	zCorrectRejectionRate Happy Distractor	.394**	.460**	-.040	.084	.060	.086	.063	.063	.071	-.040	-.062	-.147	-.157
47	zCorrectRejectionRate HappyFear	.389**	.368**	.120	-.020	-.073	.012	.039	.045	-.013	.120	.068	.042	-.040
48	zCorrectRejectionRate Happy Target	.369**	.410**	.207*	-.048	-.082	-.051	-.039	-.031	-.064	.207*	.158	.147	.083
49	zCorrectRejectionRate NonEmotional Distractor	.335**	.374**	.223*	-.070	-.053	-.086	-.076	-.058	-.065	.223*	.160	.165	.103
50	zCorrectRejectionRate NonEmotional Target	.383**	.473**	.113	.022	.000	.008	-.008	-.001	-.001	.113	.081	-.033	-.071
51	zFalseAlarmRate Calm Distractor	-.335**	-.374**	-.223*	.070	.053	.086	.076	.058	.065	-.223*	-.160	-.165	-.103
52	zFalseAlarmRate CalmFear	-.270**	-.406**	-.154	-.052	-.020	-.001	.049	.039	.013	-.154	-.153	-.036	.016
53	zFalseAlarmRate CalmHappy	-.267**	-.298**	-.053	-.021	-.010	-.001	.019	.018	.006	-.053	-.025	.091	.107
54	zFalseAlarmRate Calm Target	-.383**	-.473**	-.113	-.022	.000	-.008	.008	.001	.001	-.113	-.081	.033	.071
55	zFalseAlarmRate Emotional Distractor	-.481**	-.539**	-.074	-.072	-.025	-.069	-.047	-.047	-.042	-.074	-.043	.039	.088
56	zFalseAlarmRate Emotional Target	-.442**	-.492**	-.124	-.028	-.003	-.030	-.024	-.034	-.023	-.124	-.074	-.084	-.016

		118	119	120	121	122	123	124	125	126	127	128	129	130
57	zFalseAlarmRate FearCalm	-.260**	-.282**	-.082	.064	.018	.004	-.056	-.083	-.041	-.082	-.014	-.082	-.007
58	zFalseAlarmRate Fear Distractor	-.410**	-.493**	-.190	-.019	.043	-.007	.007	.002	.025	-.190	-.155	-.108	-.012
59	zFalseAlarmRate FearHappy	-.300**	-.405**	.120	-.154	-.118	-.170	-.134	-.123	-.140	.120	.115	.131	.145
60	zFalseAlarmRate Fear Target	-.357**	-.414**	.028	-.093	-.102	-.109	-.092	-.105	-.120	.028	.068	.014	.066
61	zFalseAlarmRate HappyCalm	-.261**	-.317**	-.195	.103	.116	.118	.097	.094	.121	-.195	-.170	-.110	-.110
62	zFalseAlarmRate Happy Distractor	-.394**	-.460**	.040	-.084	-.060	-.086	-.063	-.063	-.071	.040	.062	.147	.157
63	zFalseAlarmRate HappyFear	-.380**	-.359**	-.120	.016	.074	-.006	-.026	-.034	.019	-.120	-.067	-.063	.025
64	zFalseAlarmRate Happy Target	-.369**	-.410**	-.207*	.048	.082	.051	.039	.031	.064	-.207*	-.158	-.147	-.083
65	zFalseAlarmRate NonEmotional Distractor	-.335**	-.374**	-.223*	.070	.053	.086	.076	.058	.065	-.223*	-.160	-.165	-.103
66	zFalseAlarmRate NonEmotional Target	-.383**	-.473**	-.113	-.022	.000	-.008	.008	.001	.001	-.113	-.081	.033	.071
67	zHitRate Calm Distractor	-.479**	-.399**	-.007	-.013	-.034	-.030	-.038	-.030	-.037	-.007	.025	-.056	-.015
68	zHitRate CalmFear	-.214*	-.395**	-.114	-.170	-.158	-.154	-.091	-.113	-.156	-.114	-.089	-.167	-.162
69	zHitRate CalmHappy	.013	-.146	-.115	-.002	-.016	-.005	-.006	-.048	-.038	-.115	-.089	-.054	-.034
70	zHitRate Calm Target	-.108	-.319**	-.100	-.073	-.071	-.074	-.054	-.089	-.093	-.100	-.070	-.081	-.062
71	zHitRate Emotional Distractor	-.108	-.301**	-.130	-.040	-.039	-.016	.013	-.015	-.030	-.130	-.108	-.104	-.078
72	zHitRate Emotional Target	-.368**	-.322**	-.046	-.002	-.022	.016	.029	.036	.010	-.046	-.029	-.107	-.085
73	zHitRate FearCalm	-.476**	-.451**	.000	-.055	-.060	-.065	-.055	-.039	-.057	.000	.019	-.030	-.013
74	zHitRate Fear Distractor	-.180	-.331**	-.163	-.089	-.069	-.065	-.022	-.035	-.059	-.163	-.147	-.204*	-.173
75	zHitRate FearHappy	-.038	-.090	-.061	-.006	-.032	.054	.097	.087	.036	-.061	-.059	-.121	-.123
76	zHitRate Fear Target	-.375**	-.363**	-.023	-.079	-.091	-.029	.028	.038	-.026	-.023	-.019	-.075	-.067
77	zHitRate HappyCalm	-.077	-.027	-.094	.112	.095	.090	.042	.052	.083	-.094	-.091	-.107	-.060
78	zHitRate Happy Distractor	-.036	-.165	-.108	-.002	-.016	.022	.038	.012	-.001	-.108	-.100	-.062	-.047
79	zHitRate HappyFear	-.085	-.068	-.203*	.179	.175	.193	.149	.139	.181	-.203*	-.182	-.084	-.065
80	zHitRate Happy Target	-.155	-.091	-.080	.149	.149	.122	.060	.069	.124	-.080	-.072	-.082	-.043
81	zHitRate NonEmotional Distractor	-.479**	-.399**	-.007	-.013	-.034	-.030	-.038	-.030	-.037	-.007	.025	-.056	-.015
82	zHitRate NonEmotional Target	-.108	-.319**	-.100	-.073	-.071	-.074	-.054	-.089	-.093	-.100	-.070	-.081	-.062
83	zMissRate Calm Distractor	.479**	.399**	.007	.013	.034	.030	.038	.030	.037	.007	-.025	.056	.015
84	zMissRate CalmFear	.214*	.395**	.114	.170	.158	.154	.091	.113	.156	.114	.089	.167	.162
85	zMissRate CalmHappy	-.013	.146	.115	.002	.016	.005	.006	.048	.038	.115	.089	.054	.034

		118	119	120	121	122	123	124	125	126	127	128	129	130
86	zMissRate Calm Target	.108	.319**	.100	.073	.071	.074	.054	.089	.093	.100	.070	.081	.062
87	zMissRate Emotional Distractor	.108	.301**	.130	.040	.039	.016	-.013	.015	.030	.130	.108	.104	.078
88	zMissRate Emotional Target	.368**	.322**	.046	.002	.022	-.016	-.029	-.036	-.010	.046	.029	.107	.085
89	zMissRate FearCalm	.476**	.451**	.000	.055	.060	.065	.055	.039	.057	.000	-.019	.030	.013
90	zMissRate Fear Distractor	.180	.331**	.163	.089	.069	.065	.022	.035	.059	.163	.147	.204*	.173
91	zMissRate FearHappy	.038	.090	.061	.006	.032	-.054	-.097	-.087	-.036	.061	.059	.121	.123
92	zMissRate Fear Target	.375**	.363**	.023	.079	.091	.029	-.028	-.038	.026	.023	.019	.075	.067
93	zMissRate HappyCalm	.077	.027	.094	-.112	-.095	-.090	-.042	-.052	-.083	.094	.091	.107	.060
94	zMissRate Happy Distractor	.036	.165	.108	.002	.016	-.022	-.038	-.012	.001	.108	.100	.062	.047
95	zMissRate HappyFear	.085	.068	.203*	-.179	-.175	-.193	-.149	-.139	-.181	.203*	.182	.084	.065
96	zMissRate Happy Target	.155	.091	.080	-.149	-.149	-.122	-.060	-.069	-.124	.080	.072	.082	.043
97	zMissRate NonEmotional Distractor	.479**	.399**	.007	.013	.034	.030	.038	.030	.037	.007	-.025	.056	.015
98	zMissRate NonEmotional Target	.108	.319**	.100	.073	.071	.074	.054	.089	.093	.100	.070	.081	.062
99	zRT AllRuns Hits	.976**	.953**	.138	.069	.047	.088	.080	.077	.073	.138	.119	.083	.041
100	zRT Calm Distractor Hits	1.000**	.884**	.135	.081	.060	.093	.077	.070	.075	.135	.121	.105	.067
101	zRT Calm Target Hits	.884**	1.000**	.171	-.001	-.019	.033	.056	.058	.025	.171	.148	.052	.019
102	zRT Emotional Distractor Hits	.944**	.972**	.140	.056	.032	.083	.085	.084	.069	.140	.122	.080	.040
103	zRT Emotional Target Hits	.988**	.897**	.114	.099	.076	.117	.099	.094	.099	.114	.099	.102	.061
104	zRT Fear Distractor Hits	.923**	.948**	.137	.043	.019	.084	.099	.090	.065	.137	.129	.083	.054
105	zRT Fear Target Hits	.973**	.883**	.121	.119	.099	.116	.077	.078	.103	.121	.095	.101	.053
106	zRT Happy Distractor Hits	.934**	.956**	.135	.072	.048	.082	.068	.076	.072	.135	.107	.068	.019
107	zRT Happy Target Hits	.971**	.881**	.112	.071	.043	.110	.116	.105	.088	.112	.109	.108	.080
108	zRT Hits Calm	.971**	.968**	.159	.044	.025	.062	.060	.057	.049	.159	.139	.073	.034
109	ZRT Hits CalmFear	.854**	.963**	.169	-.001	-.015	.040	.068	.059	.028	.169	.168	.058	.049
110	ZRT Hits CalmHappy	.861**	.969**	.166	.017	-.007	.017	.013	.019	.008	.166	.129	.054	-.004
111	zRT Hits Fear	.968**	.934**	.127	.086	.065	.104	.090	.086	.088	.127	.109	.090	.049
112	ZRT Hits FearCalm	.970**	.853**	.123	.108	.089	.102	.064	.058	.084	.123	.092	.103	.052
113	ZRT Hits FearHappy	.935**	.873**	.093	.134	.112	.143	.108	.116	.132	.093	.075	.109	.069
114	zRT Hits Happy	.982**	.932**	.130	.081	.058	.095	.080	.079	.080	.130	.109	.088	.042

	118	119	120	121	122	123	124	125	126	127	128	129	130
115 ZRT Hits HappyCalm	.967**	.859**	.159	.063	.048	.089	.088	.081	.076	.159	.159	.124	.103
116 ZRT Hits HappyFear	.930**	.871**	.100	.081	.048	.119	.121	.111	.094	.100	.090	.107	.063
117 zRT Hits	.976**	.953**	.138	.069	.047	.088	.080	.077	.073	.138	.119	.083	.041
118 zRT Nonemotional Distractor Hits	1	.884**	.135	.081	.060	.093	.077	.070	.075	.135	.121	.105	.067
119 zRT Nonemotional Target Hits	.884**	1	.171	-.001	-.019	.033	.056	.058	.025	.171	.148	.052	.019
120 Zero Complement Presented Framing Index	.135	.171	1	-.218*	-.196	-.466**	-.569**	-.555**	-.447**	1.000**	.965**	.312**	.292**
121 Zero Complement Presented Gain Lives Risky Choices	.081	-.001	-.218*	1	.952**	.845**	.440**	.447**	.796**	-.218*	-.193	.430**	.421**
122 Zero Complement Presented Gain Lives Signed Confidence	.060	-.019	-.196	.952**	1	.827**	.457**	.484**	.845**	-.196	-.201*	.433**	.454**
123 Zero Complement Presented Gain Risky Choices	.093	.033	-.466**	.845**	.827**	1	.852**	.843**	.969**	-.466**	-.448**	.366**	.373**
124 Zero Complement Presented Gain Money Risky Choices	.077	.056	-.569**	.440**	.457**	.852**	1	.977**	.848**	-.569**	-.564**	.193	.214*
125 Zero Complement Presented Gain Money Signed Confidence	.070	.058	-.555**	.447**	.484**	.843**	.977**	1	.877**	-.555**	-.587**	.177	.201*
126 Zero Complement Presented Gain Signed Confidence	.075	.025	-.447**	.796**	.845**	.969**	.848**	.877**	1	-.447**	-.469**	.347**	.372**
127 Zero Complement Presented Lives Framing Index	.135	.171	1.000**	-.218*	-.196	-.466**	-.569**	-.555**	-.447**	1	.965**	.312**	.292**
128 Zero Complement Presented Lives Signed Confidence Framing Index	.121	.148	.965**	-.193	-.201*	-.448**	-.564**	-.587**	-.469**	.965**	1	.326**	.322**
129 Zero Complement Presented Loss Lives Risky Choices	.105	.052	.312**	.430**	.433**	.366**	.193	.177	.347**	.312**	.326**	1	.950**
130 Zero Complement Presented Loss Lives Signed Confidence	.067	.019	.292**	.421**	.454**	.373**	.214*	.201*	.372**	.292**	.322**	.950**	1
131 Zero Complement Presented Loss Risky Choices	.186	.165	.473**	.370**	.395**	.410**	.326**	.312**	.408**	.473**	.463**	.894**	.863**
132 Zero Complement Presented Loss Money Risky Choices	.230*	.250*	.533**	.208*	.252*	.355**	.393**	.384**	.373**	.533**	.500**	.548**	.547**
133 Zero Complement Presented Loss Money Signed Confidence	.212*	.231*	.521**	.249*	.277**	.372**	.381**	.378**	.383**	.521**	.528**	.559**	.578**
134 Zero Complement Presented Loss Signed Confidence	.158	.142	.458**	.376**	.411**	.419**	.335**	.326**	.425**	.458**	.479**	.848**	.887**

		118	119	120	121	122	123	124	125	126	127	128	129	130
135	Zero Complement Presented Money Framing Index	.135	.171	1.000**	-.218*	-.196	-.466**	-.569**	-.555**	-.447**	1.000**	.965**	.312**	.292**
136	Zero Complement Presented Money Signed Confidence Framing Index	.121	.148	.965**	-.193	-.201*	-.448**	-.564**	-.587**	-.469**	.965**	1.000**	.326**	.322**
137	Zero Complement Presented Signed Confidence Framing Index	.121	.148	.965**	-.193	-.201*	-.448**	-.564**	-.587**	-.469**	.965**	1.000**	.326**	.322**
138	Framing Index	.018	.050	.571**	-.116	-.096	-.196	-.216*	-.219*	-.187	.571**	.564**	.410**	.393**
139	Gain Lives Risky Choices	.063	-.030	-.105	.806**	.816**	.711**	.404**	.395**	.690**	-.105	-.092	.601**	.600**
140	Gain Lives Signed Confidence	.058	-.035	-.067	.766**	.842**	.678**	.387**	.395**	.704**	-.067	-.071	.580**	.608**
141	Gain Risky Choices	.107	.059	-.240*	.682**	.704**	.845**	.751**	.743**	.841**	-.240*	-.245*	.557**	.561**
142	Gain Money Risky Choices	.117	.129	-.299**	.343**	.370**	.713**	.860**	.856**	.726**	-.299**	-.320**	.337**	.346**
143	Gain Money Signed Confidence	.099	.120	-.277**	.343**	.379**	.688**	.821**	.845**	.724**	-.277**	-.319**	.313**	.330**
144	Gain Signed Confidence	.095	.059	-.216*	.634**	.698**	.810**	.740**	.760**	.848**	-.216*	-.245*	.515**	.541**
145	Both Complements Presented Framing Index	.014	.049	.285**	-.051	-.050	-.049	-.033	-.044	-.054	.285**	.278**	.172	.168
146	Both Complements Presented Gain Lives Risky Choices	.018	-.072	-.100	.615**	.643**	.535**	.295**	.291**	.532**	-.100	-.085	.506**	.504**
147	Both Complements Presented Gain Lives Signed Confidence	.038	-.052	-.052	.595**	.669**	.510**	.274**	.276**	.537**	-.052	-.038	.494**	.520**
148	Both Complements Presented Gain Risky Choices	.069	.017	-.131	.561**	.597**	.652**	.545**	.549**	.664**	-.131	-.141	.556**	.548**
149	Both Complements Presented Gain Money Risky Choices	.099	.109	-.118	.303**	.335**	.547**	.622**	.635**	.572**	-.118	-.151	.412**	.401**
150	Both Complements Presented Gain Money Signed Confidence	.085	.096	-.116	.313**	.360**	.557**	.628**	.656**	.598**	-.116	-.164	.390**	.390**
151	Both Complements Presented Gain Signed Confidence	.073	.026	-.100	.541**	.613**	.635**	.537**	.555**	.676**	-.100	-.120	.526**	.542**
152	Both Complements Presented Lives Framing Index	-.050	.029	.199*	-.180	-.163	-.099	.010	.017	-.079	.199*	.173	.157	.180
153	Both Complements Presented Lives Signed Confidence Framing Index	-.098	-.011	.217*	-.118	-.103	-.048	.035	.036	-.034	.217*	.214*	.195	.252*
154	Both Complements Presented Loss Lives Risky Choices	-.026	-.044	.079	.428**	.471**	.423**	.290**	.292**	.437**	.079	.070	.619**	.637**
155	Both Complements Presented Loss Lives Signed Confidence	-.048	-.056	.136	.441**	.520**	.422**	.278**	.281**	.458**	.136	.146	.613**	.686**

		118	119	120	121	122	123	124	125	126	127	128	129	130
156	Both Complements Presented Loss Risky Choices	.069	.058	.116	.445**	.479**	.528**	.450**	.445**	.535**	.116	.104	.622**	.613**
157	Both Complements Presented Loss Money Risky Choices	.153	.141	.142	.355**	.368**	.501**	.494**	.483**	.497**	.142	.124	.484**	.447**
158	Both Complements Presented Loss Money Signed Confidence	.139	.130	.139	.357**	.384**	.521**	.526**	.528**	.534**	.139	.127	.492**	.493**
159	Both Complements Presented Loss Signed Confidence	.048	.041	.151	.452**	.515**	.535**	.455**	.458**	.563**	.151	.152	.623**	.668**
160	Both Complements Presented Money Framing Index	.080	.045	.296**	.104	.085	.021	-.067	-.091	-.009	.296**	.304**	.150	.118
161	Both Complements Presented Money Signed Confidence Framing Index	.074	.038	.303**	.078	.058	.000	-.076	-.103	-.031	.303**	.332**	.161	.161
162	Both Complements Presented Signed Confidence Framing Index	-.017	.020	.309**	-.028	-.030	-.031	-.025	-.041	-.041	.309**	.330**	.208*	.245*
163	Money Framing Index	.101	.068	.664**	.063	.062	-.152	-.316**	-.326**	-.165	.664**	.658**	.320**	.294**
164	Money Risky Choices	.170	.168	-.006	.392**	.420**	.682**	.761**	.752**	.690**	-.006	-.031	.505**	.503**
165	Money Signed Confidence Framing Index	.067	.032	.618**	.016	.006	-.214*	-.374**	-.402**	-.242*	.618**	.658**	.250*	.248*
166	Money Signed Confidence	.145	.153	-.021	.400**	.437**	.686**	.761**	.775**	.714**	-.021	-.050	.479**	.497**
167	Nonzero Complement Presented Framing Index	-.061	-.077	.125	.183	.188	.094	-.021	-.015	.094	.125	.139	.224*	.223*
168	Nonzero Complement Presented Gain Lives Risky Choices	.067	.000	.035	.483**	.520**	.466**	.309**	.284**	.460**	.035	.030	.590**	.596**
169	Nonzero Complement Presented Gain Lives Signed Confidence	.055	-.017	.056	.484**	.557**	.458**	.295**	.288**	.483**	.056	.039	.579**	.604**
170	Nonzero Complement Presented Gain Risky Choices	.118	.102	-.053	.399**	.434**	.582**	.586**	.569**	.586**	-.053	-.072	.525**	.539**
171	Nonzero Complement Presented Gain Money Risky Choices	.128	.167	-.123	.173	.193	.491**	.656**	.653**	.505**	-.123	-.148	.273**	.290**
172	Nonzero Complement Presented Gain Money Signed Confidence	.101	.144	-.123	.194	.213*	.481**	.617**	.632**	.503**	-.123	-.156	.261**	.281**
173	Nonzero Complement Presented Gain Signed Confidence	.101	.096	-.061	.381**	.431**	.575**	.593**	.600**	.603**	-.061	-.093	.476**	.503**
174	Nonzero Complement Presented Lives Framing Index	-.108	-.063	.013	.068	.082	.060	.034	.052	.076	.013	.027	.120	.126

		118	119	120	121	122	123	124	125	126	127	128	129	130
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.115	-.082	.017	.048	.052	.036	.013	.017	.039	.017	.052	.072	.104
176	Nonzero Complement Presented Loss Lives Risky Choices	-.049	-.050	.046	.451**	.491**	.439**	.297**	.297**	.450**	.046	.054	.581**	.592**
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.066	-.082	.071	.459**	.522**	.435**	.283**	.284**	.459**	.071	.089	.556**	.609**
178	Nonzero Complement Presented Loss Risky Choices	.041	.025	.074	.482**	.511**	.561**	.470**	.463**	.564**	.074	.070	.612**	.623**
179	Nonzero Complement Presented Loss Money Risky Choices	.134	.099	.083	.399**	.412**	.553**	.539**	.524**	.547**	.083	.068	.501**	.510**
180	Nonzero Complement Presented Loss Money Signed Confidence	.107	.084	.073	.416**	.444**	.576**	.561**	.561**	.586**	.073	.060	.476**	.499**
181	Nonzero Complement Presented Loss Signed Confidence	.021	.004	.084	.491**	.541**	.572**	.480**	.481**	.591**	.084	.087	.578**	.621**
182	Nonzero Complement Presented Money Framing Index	.016	-.061	.207*	.249*	.243*	.100	-.077	-.089	.080	.207*	.216*	.258**	.251*
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.021	-.088	.191	.131	.133	-.046	-.205*	-.221*	-.061	.191	.216*	.108	.106
184	Nonzero Complement Presented Signed Confidence Framing Index	-.077	-.108	.133	.114	.119	-.013	-.134	-.142	-.021	.133	.169	.116	.132

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		131	132	133	134	135	136	137	138	139	140	141	142	143
1	Criterion	.188	.218*	.202*	.154	.190	.152	.152	-.063	.069	.040	.141	.168	.191
2	Criterion Calm Distractor	.170	.150	.089	.097	.163	.100	.100	-.007	.087	.076	.093	.070	.083
3	Criterion CalmFear	.217*	.229*	.234*	.199	.167	.149	.149	-.001	.156	.122	.167	.126	.140
4	Criterion CalmHappy	.044	.119	.110	.029	.132	.093	.093	-.111	.001	-.008	.058	.097	.117
5	Criterion Calm Target	.123	.192	.179	.099	.142	.101	.101	-.074	.070	.041	.128	.147	.171
6	Criterion Emotional Distractor	.118	.174	.157	.084	.134	.098	.098	-.143	.090	.056	.149	.162	.182
7	Criterion Emotional Target	.135	.124	.081	.077	.109	.066	.066	-.141	.117	.095	.138	.116	.119
8	Criterion FearCalm	.116	.142	.094	.056	.055	.002	.002	-.013	.055	.057	.095	.105	.117
9	Criterion Fear Distractor	.246*	.250*	.232*	.191	.215*	.184	.184	-.041	.107	.062	.163	.169	.194
10	Criterion FearHappy	-.028	-.017	-.017	-.032	-.051	-.049	-.049	-.225*	.151	.138	.142	.089	.084
11	Criterion Fear Target	.042	.041	.011	.003	-.006	-.035	-.035	-.175	.152	.145	.139	.083	.084
12	Criterion HappyCalm	.175	.139	.120	.152	.227*	.212*	.212*	.067	.023	-.005	.036	.039	.047
13	Criterion Happy Distractor	-.001	.068	.065	-.008	.044	.023	.023	-.181	.046	.033	.099	.121	.130
14	Criterion HappyFear	.143	.184	.136	.075	.196	.142	.142	-.072	-.038	-.072	.056	.132	.137
15	Criterion Happy Target	.187	.171	.127	.122	.208*	.164	.164	.018	-.002	-.040	.058	.099	.104
16	Criterion NonEmotional Distractor	.170	.150	.089	.097	.163	.100	.100	-.007	.087	.076	.093	.070	.083
17	Criterion NonEmotional Target	.123	.192	.179	.099	.142	.101	.101	-.074	.070	.041	.128	.147	.171
18	DPrime	-.056	.007	-.020	-.077	-.040	-.047	-.047	-.125	-.002	-.040	.030	.053	.034
19	DPrime Calm Distractor	.126	.117	.105	.104	.190	.157	.157	.082	-.028	-.037	.005	.037	.069
20	DPrime CalmFear	-.076	-.063	-.056	-.094	.033	.051	.051	.003	-.172	-.170	-.131	-.050	-.094
21	DPrime CalmHappy	-.095	-.062	-.094	-.110	-.025	-.028	-.028	-.144	.076	.037	-.013	-.098	-.107
22	DPrime Calm Target	-.074	-.041	-.066	-.094	.007	.006	.006	-.114	-.008	-.034	-.057	-.088	-.119
23	DPrime Emotional Distractor	-.064	.003	-.027	-.087	-.040	-.048	-.048	-.175	.030	-.004	.035	.029	.000
24	DPrime Emotional Target	.077	.143	.122	.042	.086	.050	.050	-.074	.002	-.021	.111	.185	.214*
25	DPrime FearCalm	.075	.091	.081	.040	.053	.012	.012	.006	-.034	-.028	.031	.085	.119
26	DPrime Fear Distractor	-.024	.026	-.002	-.073	.046	.026	.026	-.057	-.121	-.136	-.033	.064	.040
27	DPrime FearHappy	-.090	.017	.010	-.094	-.120	-.116	-.116	-.274**	.078	.054	.127	.137	.128
28	DPrime Fear Target	-.010	.061	.044	-.038	-.044	-.077	-.077	-.169	.024	.010	.115	.170	.184

		131	132	133	134	135	136	137	138	139	140	141	142	143
29	DPrime HappyCalm	.100	.093	.083	.107	.157	.144	.144	.099	-.027	-.042	-.003	.022	.044
30	DPrime Happy Distractor	-.116	-.043	-.075	-.127	-.106	-.117	-.117	-.245*	.094	.052	.066	.018	.008
31	DPrime HappyFear	.064	.123	.083	.009	.010	-.027	-.027	-.055	.050	.018	.137	.180	.200*
32	DPrime Happy Target	.145	.165	.134	.107	.151	.110	.110	.061	.026	.020	.102	.146	.183
33	DPrime NonEmotional Distractor	.126	.117	.105	.104	.190	.157	.157	.082	-.028	-.037	.005	.037	.069
34	DPrime NonEmotional Target	-.074	-.041	-.066	-.094	.007	.006	.006	-.114	-.008	-.034	-.057	-.088	-.119
35	zCorrectRejectionRate Calm Distractor	.192	.172	.123	.127	.223*	.160	.160	.042	.045	.032	.068	.070	.098
36	zCorrectRejectionRate CalmFear	.130	.148	.155	.105	.155	.151	.151	.001	.023	-.004	.056	.072	.057
37	zCorrectRejectionRate CalmHappy	-.038	.036	.007	-.059	.071	.043	.043	-.177	.055	.021	.030	-.004	.003
38	zCorrectRejectionRate Calm Target	.044	.119	.092	.012	.113	.081	.081	-.133	.048	.008	.060	.053	.050
39	zCorrectRejectionRate Emotional Distractor	.047	.131	.099	.007	.074	.043	.043	-.219*	.086	.039	.133	.139	.135
40	zCorrectRejectionRate Emotional Target	.138	.164	.122	.078	.124	.074	.074	-.141	.086	.058	.158	.180	.197
41	zCorrectRejectionRate FearCalm	.124	.150	.111	.062	.068	.008	.008	-.006	.020	.024	.084	.121	.148
42	zCorrectRejectionRate Fear Distractor	.175	.206*	.177	.107	.190	.155	.155	-.061	.017	-.025	.107	.164	.170
43	zCorrectRejectionRate FearHappy	-.069	-.001	-.004	-.074	-.100	-.096	-.096	-.295**	.137	.115	.159	.133	.125
44	zCorrectRejectionRate Fear Target	.026	.064	.032	-.019	-.028	-.068	-.068	-.223*	.127	.114	.166	.154	.163
45	zCorrectRejectionRate HappyCalm	.152	.128	.112	.143	.212*	.196	.196	.090	-.002	-.026	.019	.034	.050
46	zCorrectRejectionRate Happy Distractor	-.078	.020	-.005	-.090	-.040	-.062	-.062	-.291**	.095	.058	.114	.098	.097
47	zCorrectRejectionRate HappyFear	.119	.175	.125	.049	.120	.068	.068	-.072	.005	-.032	.108	.177	.190
48	zCorrectRejectionRate Happy Target	.191	.192	.149	.131	.207*	.158	.158	.044	.013	-.013	.090	.139	.161
49	zCorrectRejectionRate NonEmotional Distractor	.192	.172	.123	.127	.223*	.160	.160	.042	.045	.032	.068	.070	.098
50	zCorrectRejectionRate NonEmotional Target	.044	.119	.092	.012	.113	.081	.081	-.133	.048	.008	.060	.053	.050
51	zFalseAlarmRate Calm Distractor	-.192	-.172	-.123	-.127	-.223*	-.160	-.160	-.042	-.045	-.032	-.068	-.070	-.098
52	zFalseAlarmRate CalmFear	-.087	-.121	-.133	-.067	-.154	-.153	-.153	.040	-.013	.007	-.039	-.052	-.043
53	zFalseAlarmRate CalmHappy	.034	-.039	-.010	.055	-.053	-.025	-.025	.188	-.065	-.030	-.049	-.018	-.026
54	zFalseAlarmRate Calm Target	-.044	-.119	-.092	-.012	-.113	-.081	-.081	.133	-.048	-.008	-.060	-.053	-.050
55	zFalseAlarmRate Emotional Distractor	-.047	-.131	-.099	-.007	-.074	-.043	-.043	.219*	-.086	-.039	-.133	-.139	-.135
56	zFalseAlarmRate Emotional Target	-.138	-.164	-.122	-.078	-.124	-.074	-.074	.141	-.086	-.058	-.158	-.180	-.197

		131	132	133	134	135	136	137	138	139	140	141	142	143
57	zFalseAlarmRate FearCalm	-.129	-.148	-.103	-.062	-.082	-.014	-.014	-.006	.009	.009	-.053	-.098	-.114
58	zFalseAlarmRate Fear Distractor	-.175	-.206*	-.177	-.107	-.190	-.155	-.155	.061	-.017	.025	-.107	-.164	-.170
59	zFalseAlarmRate FearHappy	.077	-.004	.001	.082	.120	.115	.115	.294**	-.137	-.110	-.174	-.156	-.152
60	zFalseAlarmRate Fear Target	-.026	-.064	-.032	.019	.028	.068	.068	.223*	-.127	-.114	-.166	-.154	-.163
61	zFalseAlarmRate HappyCalm	-.130	-.119	-.097	-.117	-.195	-.170	-.170	-.060	.015	.032	-.017	-.043	-.066
62	zFalseAlarmRate Happy Distractor	.078	-.020	.005	.090	.040	.062	.062	.291**	-.095	-.058	-.114	-.098	-.097
63	zFalseAlarmRate HappyFear	-.125	-.162	-.114	-.050	-.120	-.067	-.067	.094	-.039	.007	-.129	-.179	-.197
64	zFalseAlarmRate Happy Target	-.191	-.192	-.149	-.131	-.207*	-.158	-.158	-.044	-.013	.013	-.090	-.139	-.161
65	zFalseAlarmRate NonEmotional Distractor	-.192	-.172	-.123	-.127	-.223*	-.160	-.160	-.042	-.045	-.032	-.068	-.070	-.098
66	zFalseAlarmRate NonEmotional Target	-.044	-.119	-.092	-.012	-.113	-.081	-.081	.133	-.048	-.008	-.060	-.053	-.050
67	zHitRate Calm Distractor	-.059	-.048	-.003	-.010	-.007	.025	.025	.064	-.097	-.093	-.078	-.035	-.023
68	zHitRate CalmFear	-.218*	-.220*	-.219*	-.215*	-.114	-.089	-.089	.003	-.226*	-.198	-.210*	-.130	-.168
69	zHitRate CalmHappy	-.104	-.134	-.151	-.104	-.115	-.089	-.089	-.031	.057	.034	-.053	-.149	-.171
70	zHitRate Calm Target	-.139	-.168	-.174	-.134	-.100	-.070	-.070	-.020	-.056	-.052	-.131	-.165	-.203*
71	zHitRate Emotional Distractor	-.133	-.132	-.139	-.123	-.130	-.108	-.108	-.006	-.049	-.046	-.092	-.106	-.141
72	zHitRate Emotional Target	-.076	-.022	.004	-.045	-.046	-.029	-.029	.084	-.110	-.104	-.056	.014	.030
73	zHitRate FearCalm	-.048	-.056	-.019	-.018	.000	.019	.019	.037	-.080	-.079	-.072	-.041	-.026
74	zHitRate Fear Distractor	-.233*	-.206*	-.207*	-.214*	-.163	-.147	-.147	.001	-.169	-.139	-.165	-.111	-.147
75	zHitRate FearHappy	-.055	.032	.025	-.055	-.061	-.059	-.059	-.034	-.074	-.084	-.020	.040	.036
76	zHitRate Fear Target	-.044	.003	.019	-.027	-.023	-.019	-.019	.046	-.119	-.123	-.049	.036	.044
77	zHitRate HappyCalm	-.097	-.062	-.049	-.062	-.094	-.091	-.091	.034	-.059	-.043	-.048	-.022	-.006
78	zHitRate Happy Distractor	-.081	-.081	-.102	-.084	-.108	-.100	-.100	-.038	.032	.012	-.027	-.078	-.092
79	zHitRate HappyFear	-.090	-.073	-.062	-.071	-.203*	-.182	-.182	.021	.094	.097	.080	.042	.057
80	zHitRate Happy Target	-.064	-.027	-.009	-.029	-.080	-.072	-.072	.039	.027	.062	.035	.033	.064
81	zHitRate NonEmotional Distractor	-.059	-.048	-.003	-.010	-.007	.025	.025	.064	-.097	-.093	-.078	-.035	-.023
82	zHitRate NonEmotional Target	-.139	-.168	-.174	-.134	-.100	-.070	-.070	-.020	-.056	-.052	-.131	-.165	-.203*
83	zMissRate Calm Distractor	.059	.048	.003	.010	.007	-.025	-.025	-.064	.097	.093	.078	.035	.023
84	zMissRate CalmFear	.218*	.220*	.219*	.215*	.114	.089	.089	-.003	.226*	.198	.210*	.130	.168
85	zMissRate CalmHappy	.104	.134	.151	.104	.115	.089	.089	.031	-.057	-.034	.053	.149	.171

		131	132	133	134	135	136	137	138	139	140	141	142	143
86	zMissRate Calm Target	.139	.168	.174	.134	.100	.070	.070	.020	.056	.052	.131	.165	.203*
87	zMissRate Emotional Distractor	.133	.132	.139	.123	.130	.108	.108	.006	.049	.046	.092	.106	.141
88	zMissRate Emotional Target	.076	.022	-.004	.045	.046	.029	.029	-.084	.110	.104	.056	-.014	-.030
89	zMissRate FearCalm	.048	.056	.019	.018	.000	-.019	-.019	-.037	.080	.079	.072	.041	.026
90	zMissRate Fear Distractor	.233*	.206*	.207*	.214*	.163	.147	.147	-.001	.169	.139	.165	.111	.147
91	zMissRate FearHappy	.055	-.032	-.025	.055	.061	.059	.059	.034	.074	.084	.020	-.040	-.036
92	zMissRate Fear Target	.044	-.003	-.019	.027	.023	.019	.019	-.046	.119	.123	.049	-.036	-.044
93	zMissRate HappyCalm	.097	.062	.049	.062	.094	.091	.091	-.034	.059	.043	.048	.022	.006
94	zMissRate Happy Distractor	.081	.081	.102	.084	.108	.100	.100	.038	-.032	-.012	.027	.078	.092
95	zMissRate HappyFear	.090	.073	.062	.071	.203*	.182	.182	-.021	-.094	-.097	-.080	-.042	-.057
96	zMissRate Happy Target	.064	.027	.009	.029	.080	.072	.072	-.039	-.027	-.062	-.035	-.033	-.064
97	zMissRate NonEmotional Distractor	.059	.048	.003	.010	.007	-.025	-.025	-.064	.097	.093	.078	.035	.023
98	zMissRate NonEmotional Target	.139	.168	.174	.134	.100	.070	.070	.020	.056	.052	.131	.165	.203*
99	zRT AllRuns Hits	.176	.237*	.217*	.146	.138	.119	.119	.020	.046	.041	.103	.127	.110
100	zRT Calm Distractor Hits	.186	.230*	.212*	.158	.135	.121	.121	.018	.063	.058	.107	.117	.099
101	zRT Calm Target Hits	.165	.250*	.231*	.142	.171	.148	.148	.050	-.030	-.035	.059	.129	.120
102	zRT Emotional Distractor Hits	.180	.245*	.229*	.152	.140	.122	.122	.036	.028	.020	.099	.140	.123
103	zRT Emotional Target Hits	.184	.230*	.212*	.154	.114	.099	.099	.015	.081	.073	.126	.132	.110
104	zRT Fear Distractor Hits	.187	.256*	.244*	.169	.137	.129	.129	.067	.024	.020	.103	.150	.129
105	zRT Fear Target Hits	.175	.213*	.190	.137	.121	.095	.095	-.032	.106	.099	.141	.131	.113
106	zRT Happy Distractor Hits	.160	.221*	.203*	.126	.135	.107	.107	.003	.030	.019	.093	.128	.116
107	zRT Happy Target Hits	.197	.246*	.237*	.180	.112	.109	.109	.061	.052	.041	.112	.136	.109
108	zRT Hits Calm	.172	.240*	.219*	.143	.159	.139	.139	.024	.021	.018	.082	.116	.102
109	ZRT Hits CalmFear	.173	.257*	.253*	.172	.169	.168	.168	.057	-.012	-.005	.070	.130	.116
110	ZRT Hits CalmHappy	.138	.198	.167	.092	.166	.129	.129	-.012	-.028	-.039	.047	.108	.105
111	zRT Hits Fear	.180	.235*	.215*	.149	.127	.109	.109	.011	.072	.067	.124	.137	.116
112	ZRT Hits FearCalm	.169	.200*	.164	.121	.123	.092	.092	-.070	.101	.095	.141	.135	.117
113	ZRT Hits FearHappy	.181	.215*	.208*	.157	.093	.075	.075	-.024	.114	.105	.156	.149	.129
114	zRT Hits Happy	.175	.228*	.208*	.141	.130	.109	.109	.013	.055	.047	.107	.125	.107

		131	132	133	134	135	136	137	138	139	140	141	142	143
115	ZRT Hits HappyCalm	.219*	.269**	.269**	.210*	.159	.159	.159	.074	.049	.051	.100	.120	.104
116	ZRT Hits HappyFear	.192	.237*	.219*	.160	.100	.090	.090	.071	.056	.041	.123	.153	.123
117	zRT Hits	.176	.237*	.217*	.146	.138	.119	.119	.020	.046	.041	.103	.127	.110
118	zRT Nonemotional Distractor Hits	.186	.230*	.212*	.158	.135	.121	.121	.018	.063	.058	.107	.117	.099
119	zRT Nonemotional Target Hits	.165	.250*	.231*	.142	.171	.148	.148	.050	-.030	-.035	.059	.129	.120
120	Zero Complement Presented Framing Index	.473**	.533**	.521**	.458**	1.000**	.965**	.965**	.571**	-.105	-.067	-.240*	-.299**	-.277**
121	Zero Complement Presented Gain Lives Risky Choices	.370**	.208*	.249*	.376**	-.218*	-.193	-.193	-.116	.806**	.766**	.682**	.343**	.343**
122	Zero Complement Presented Gain Lives Signed Confidence	.395**	.252*	.277**	.411**	-.196	-.201*	-.201*	-.096	.816**	.842**	.704**	.370**	.379**
123	Zero Complement Presented Gain Risky Choices	.410**	.355**	.372**	.419**	-.466**	-.448**	-.448**	-.196	.711**	.678**	.845**	.713**	.688**
124	Zero Complement Presented Gain Money Risky Choices	.326**	.393**	.381**	.335**	-.569**	-.564**	-.564**	-.216*	.404**	.387**	.751**	.860**	.821**
125	Zero Complement Presented Gain Money Signed Confidence	.312**	.384**	.378**	.326**	-.555**	-.587**	-.587**	-.219*	.395**	.395**	.743**	.856**	.845**
126	Zero Complement Presented Gain Signed Confidence	.408**	.373**	.383**	.425**	-.447**	-.469**	-.469**	-.187	.690**	.704**	.841**	.726**	.724**
127	Zero Complement Presented Lives Framing Index	.473**	.533**	.521**	.458**	1.000**	.965**	.965**	.571**	-.105	-.067	-.240*	-.299**	-.277**
128	Zero Complement Presented Lives Signed Confidence Framing Index	.463**	.500**	.528**	.479**	.965**	1.000**	1.000**	.564**	-.092	-.071	-.245*	-.320**	-.319**
129	Zero Complement Presented Loss Lives Risky Choices	.894**	.548**	.559**	.848**	.312**	.326**	.326**	.410**	.601**	.580**	.557**	.337**	.313**
130	Zero Complement Presented Loss Lives Signed Confidence	.863**	.547**	.578**	.887**	.292**	.322**	.322**	.393**	.600**	.608**	.561**	.346**	.330**
131	Zero Complement Presented Loss Risky Choices	1	.865**	.857**	.968**	.473**	.463**	.463**	.469**	.521**	.522**	.604**	.497**	.474**
132	Zero Complement Presented Loss Money Risky Choices	.865**	1	.974**	.857**	.533**	.500**	.500**	.416**	.298**	.323**	.504**	.551**	.535**
133	Zero Complement Presented Loss Money Signed Confidence	.857**	.974**	1	.889**	.521**	.528**	.528**	.415**	.309**	.334**	.499**	.532**	.522**
134	Zero Complement Presented Loss Signed Confidence	.968**	.857**	.889**	1	.458**	.479**	.479**	.455**	.511**	.529**	.597**	.495**	.480**

	131	132	133	134	135	136	137	138	139	140	141	142	143
135 Zero Complement Presented Money Framing Index	.473**	.533**	.521**	.458**	1	.965**	.965**	.571**	-.105	-.067	-.240*	-.299**	-.277**
136 Zero Complement Presented Money Signed Confidence Framing Index	.463**	.500**	.528**	.479**	.965**	1	1.000**	.564**	-.092	-.071	-.245*	-.320**	-.319**
137 Zero Complement Presented Signed Confidence Framing Index	.463**	.500**	.528**	.479**	.965**	1.000**	1	.564**	-.092	-.071	-.245*	-.320**	-.319**
138 Framing Index	.469**	.416**	.415**	.455**	.571**	.564**	.564**	1	-.139	-.134	-.204*	-.205*	-.206*
139 Gain Lives Risky Choices	.521**	.298**	.309**	.511**	-.105	-.092	-.092	-.139	1	.965**	.841**	.418**	.401**
140 Gain Lives Signed Confidence	.522**	.323**	.334**	.529**	-.067	-.071	-.071	-.134	.965**	1	.822**	.420**	.418**
141 Gain Risky Choices	.604**	.504**	.499**	.597**	-.240*	-.245*	-.245*	-.204*	.841**	.822**	1	.843**	.816**
142 Gain Money Risky Choices	.497**	.551**	.532**	.495**	-.299**	-.320**	-.320**	-.205*	.418**	.420**	.843**	1	.971**
143 Gain Money Signed Confidence	.474**	.535**	.522**	.480**	-.277**	-.319**	-.319**	-.206*	.401**	.418**	.816**	.971**	1
144 Gain Signed Confidence	.588**	.520**	.517**	.595**	-.216*	-.245*	-.245*	-.205*	.779**	.809**	.970**	.855**	.872**
145 Both Complements Presented Framing Index	.255*	.285**	.273**	.248*	.285**	.278**	.278**	.818**	-.177	-.177	-.184	-.133	-.143
146 Both Complements Presented Gain Lives Risky Choices	.407**	.192	.208*	.400**	-.100	-.085	-.085	-.142	.896**	.865**	.726**	.329**	.317**
147 Both Complements Presented Gain Lives Signed Confidence	.416**	.224*	.246*	.431**	-.052	-.038	-.038	-.130	.873**	.903**	.717**	.337**	.334**
148 Both Complements Presented Gain Risky Choices	.556**	.414**	.415**	.542**	-.131	-.141	-.141	-.170	.802**	.789**	.898**	.710**	.692**
149 Both Complements Presented Gain Money Risky Choices	.520**	.508**	.493**	.503**	-.118	-.151	-.151	-.140	.415**	.426**	.765**	.873**	.854**
150 Both Complements Presented Gain Money Signed Confidence	.511**	.517**	.501**	.502**	-.116	-.164	-.164	-.138	.431**	.449**	.775**	.873**	.874**
151 Both Complements Presented Gain Signed Confidence	.552**	.441**	.445**	.555**	-.100	-.120	-.120	-.159	.776**	.805**	.888**	.720**	.719**
152 Both Complements Presented Lives Framing Index	.219*	.233*	.216*	.223*	.199*	.173	.173	.710**	-.271**	-.253*	-.162	-.002	-.002
153 Both Complements Presented Lives Signed Confidence Framing Index	.266**	.278**	.283**	.301**	.217*	.214*	.214*	.682**	-.229*	-.232*	-.131	.007	.001
154 Both Complements Presented Loss Lives Risky Choices	.579**	.386**	.386**	.576**	.079	.070	.070	.484**	.617**	.603**	.551**	.311**	.300**
155 Both Complements Presented Loss Lives Signed Confidence	.603**	.438**	.462**	.645**	.136	.146	.146	.459**	.598**	.623**	.540**	.312**	.304**

		131	132	133	134	135	136	137	138	139	140	141	142	143
156	Both Complements Presented Loss Risky Choices	.691**	.593**	.586**	.675**	.116	.104	.104	.546**	.545**	.535**	.623**	.505**	.481**
157	Both Complements Presented Loss Money Risky Choices	.650**	.669**	.650**	.619**	.142	.124	.124	.452**	.351**	.345**	.555**	.582**	.552**
158	Both Complements Presented Loss Money Signed Confidence	.671**	.700**	.701**	.673**	.139	.127	.127	.447**	.391**	.393**	.596**	.610**	.595**
159	Both Complements Presented Loss Signed Confidence	.716**	.638**	.654**	.744**	.151	.152	.152	.520**	.559**	.575**	.639**	.517**	.504**
160	Both Complements Presented Money Framing Index	.231*	.262**	.252*	.209*	.296**	.304**	.304**	.625**	-.001	-.020	-.123	-.205*	-.219*
161	Both Complements Presented Money Signed Confidence Framing Index	.236*	.260**	.272**	.244*	.303**	.332**	.332**	.624**	.005	-.015	-.132	-.226*	-.243*
162	Both Complements Presented Signed Confidence Framing Index	.297**	.321**	.334**	.326**	.309**	.330**	.330**	.815**	-.148	-.161	-.172	-.142	-.157
163	Money Framing Index	.416**	.417**	.410**	.396**	.664**	.658**	.658**	.821**	.036	.028	-.180	-.339**	-.344**
164	Money Risky Choices	.719**	.777**	.753**	.708**	-.006	-.031	-.031	.166	.459**	.457**	.807**	.898**	.865**
165	Money Signed Confidence Framing Index	.314**	.306**	.331**	.326**	.618**	.658**	.658**	.770**	-.009	-.024	-.268**	-.440**	-.494**
166	Money Signed Confidence	.694**	.759**	.756**	.706**	-.021	-.050	-.050	.133	.455**	.467**	.807**	.902**	.909**
167	Nonzero Complement Presented Framing Index	.198*	.118	.144	.206*	.125	.139	.139	.753**	.018	.000	-.097	-.181	-.177
168	Nonzero Complement Presented Gain Lives Risky Choices	.545**	.356**	.332**	.522**	.035	.030	.030	-.095	.844**	.825**	.735**	.395**	.366**
169	Nonzero Complement Presented Gain Lives Signed Confidence	.544**	.366**	.347**	.534**	.056	.039	.039	-.121	.824**	.858**	.721**	.390**	.379**
170	Nonzero Complement Presented Gain Risky Choices	.606**	.543**	.515**	.593**	-.053	-.072	-.072	-.170	.686**	.680**	.872**	.782**	.753**
171	Nonzero Complement Presented Gain Money Risky Choices	.452**	.538**	.515**	.454**	-.123	-.148	-.148	-.185	.285**	.294**	.699**	.891**	.872**
172	Nonzero Complement Presented Gain Money Signed Confidence	.423**	.497**	.485**	.431**	-.123	-.156	-.156	-.185	.270**	.292**	.661**	.842**	.910**
173	Nonzero Complement Presented Gain Signed Confidence	.576**	.542**	.523**	.577**	-.061	-.093	-.093	-.194	.605**	.637**	.836**	.803**	.846**
174	Nonzero Complement Presented Lives Framing Index	.098	.050	.086	.119	.013	.027	.027	.602**	-.133	-.129	-.114	-.061	-.040

		131	132	133	134	135	136	137	138	139	140	141	142	143
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.060	.032	.078	.102	.017	.052	.052	.589**	-.148	-.161	-.143	-.095	-.089
176	Nonzero Complement Presented Loss Lives Risky Choices	.538**	.359**	.376**	.541**	.046	.054	.054	.516**	.541**	.528**	.484**	.282**	.286**
177	Nonzero Complement Presented Loss Lives Signed Confidence	.531**	.373**	.402**	.565**	.071	.089	.089	.491**	.548**	.563**	.479**	.266**	.270**
178	Nonzero Complement Presented Loss Risky Choices	.671**	.566**	.566**	.669**	.074	.070	.070	.547**	.554**	.531**	.620**	.490**	.475**
179	Nonzero Complement Presented Loss Money Risky Choices	.647**	.647**	.628**	.640**	.083	.068	.068	.435**	.444**	.418**	.616**	.592**	.557**
180	Nonzero Complement Presented Loss Money Signed Confidence	.638**	.658**	.657**	.651**	.073	.060	.060	.429**	.431**	.419**	.616**	.607**	.585**
181	Nonzero Complement Presented Loss Signed Confidence	.662**	.587**	.604**	.689**	.084	.087	.087	.526**	.545**	.545**	.618**	.497**	.489**
182	Nonzero Complement Presented Money Framing Index	.237*	.152	.154	.228*	.207*	.216*	.216*	.637**	.186	.150	-.039	-.250*	-.269**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.066	.003	.016	.068	.191	.216*	.216*	.549**	.061	.029	-.208*	-.410**	-.500**
184	Nonzero Complement Presented Signed Confidence Framing Index	.076	.011	.045	.099	.133	.169	.169	.681**	-.034	-.061	-.216*	-.329**	-.386**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		144	145	146	147	148	149	150	151	152	153	154	155	156
1	Criterion	.145	-.136	.046	.038	.145	.202*	.211*	.148	-.085	-.047	-.031	-.005	.004
2	Criterion Calm Distractor	.094	-.089	.066	.056	.092	.088	.097	.090	-.121	-.153	-.040	-.073	-.012
3	Criterion CalmFear	.156	-.035	.088	.076	.125	.121	.125	.119	-.062	.043	.034	.102	.077
4	Criterion CalmHappy	.072	-.127	-.039	-.015	.052	.133	.154	.082	-.033	-.032	-.065	-.040	-.069
5	Criterion Calm Target	.132	-.073	.007	.010	.093	.155	.171	.106	-.041	.012	-.028	.019	.015
6	Criterion Emotional Distractor	.147	-.150	.047	.043	.128	.172	.179	.131	-.123	-.087	-.060	-.032	-.015
7	Criterion Emotional Target	.127	-.183	.112	.097	.139	.120	.113	.124	-.217*	-.220*	-.078	-.090	-.039
8	Criterion FearCalm	.106	-.037	.033	.040	.079	.102	.123	.097	-.089	-.128	-.044	-.068	.023
9	Criterion Fear Distractor	.158	-.115	.049	.032	.130	.177	.189	.129	-.105	-.083	-.042	-.038	.013
10	Criterion FearHappy	.128	-.157	.178	.174	.151	.070	.048	.131	-.220*	-.150	-.010	.041	.014
11	Criterion Fear Target	.132	-.154	.151	.154	.141	.081	.078	.137	-.237*	-.214*	-.057	-.033	-.010
12	Criterion HappyCalm	.027	-.028	.019	-.012	.037	.044	.033	.012	.008	.022	.025	.007	.002
13	Criterion Happy Distractor	.101	-.140	.030	.043	.086	.118	.123	.098	-.129	-.097	-.081	-.039	-.041
14	Criterion HappyFear	.050	-.153	-.052	-.076	.054	.150	.140	.038	-.104	-.164	-.138	-.202*	-.087
15	Criterion Happy Target	.046	-.100	-.022	-.055	.060	.129	.119	.038	-.012	-.048	-.031	-.089	-.039
16	Criterion NonEmotional Distractor	.094	-.089	.066	.056	.092	.088	.097	.090	-.121	-.153	-.040	-.073	-.012
17	Criterion NonEmotional Target	.132	-.073	.007	.010	.093	.155	.171	.106	-.041	.012	-.028	.019	.015
18	DPrime	.001	-.041	-.010	-.038	-.029	-.039	-.053	-.054	-.112	-.129	-.107	-.143	-.068
19	DPrime Calm Distractor	.025	.037	-.057	-.062	-.006	.051	.049	-.008	.070	.069	.006	.000	.016
20	DPrime CalmFear	-.151	.029	-.168	-.144	-.158	-.092	-.130	-.162	-.053	.015	-.204*	-.119	-.126
21	DPrime CalmHappy	-.049	-.106	.102	.073	-.025	-.155	-.151	-.046	-.198	-.186	-.072	-.085	-.117
22	DPrime Calm Target	-.095	-.071	.016	-.001	-.099	-.191	-.205*	-.121	-.226*	-.184	-.177	-.149	-.156
23	DPrime Emotional Distractor	-.002	-.098	.032	.008	-.019	-.067	-.084	-.045	-.196	-.215*	-.137	-.167	-.106
24	DPrime Emotional Target	.127	-.061	-.031	-.039	.087	.186	.183	.085	.024	-.049	-.009	-.074	.021
25	DPrime FearCalm	.062	-.035	-.027	-.044	.029	.080	.087	.026	-.021	-.007	-.044	-.046	-.004
26	DPrime Fear Distractor	-.046	-.025	-.145	-.130	-.077	.025	-.002	-.079	-.032	-.098	-.167	-.198	-.102
27	DPrime FearHappy	.111	-.166	.072	.057	.092	.083	.076	.079	-.145	-.155	-.050	-.069	-.051
28	DPrime Fear Target	.124	-.138	.031	.003	.101	.143	.142	.085	-.079	-.071	-.038	-.055	-.023

		144	145	146	147	148	149	150	151	152	153	154	155	156
29	DPrime HappyCalm	.006	.119	-.092	-.089	-.044	.023	.018	-.042	.155	.126	.044	.021	.049
30	DPrime Happy Distractor	.033	-.155	.115	.074	.037	-.061	-.067	.005	-.212*	-.207*	-.071	-.101	-.098
31	DPrime HappyFear	.138	-.036	.001	.001	.110	.191	.189	.111	.016	-.109	.015	-.088	.057
32	DPrime Happy Target	.129	.043	-.022	.004	.096	.191	.193	.116	.102	-.021	.066	-.013	.105
33	DPrime NonEmotional Distractor	.025	.037	-.057	-.062	-.006	.051	.049	-.008	.070	.069	.006	.000	.016
34	DPrime NonEmotional Target	-.095	-.071	.016	-.001	-.099	-.191	-.205*	-.121	-.226*	-.184	-.177	-.149	-.156
35	zCorrectRejectionRate Calm Distractor	.080	-.041	.014	.004	.061	.091	.096	.059	-.044	-.068	-.025	-.051	.000
36	zCorrectRejectionRate CalmFear	.035	-.010	-.030	-.026	.006	.042	.023	-.002	-.082	.044	-.096	.011	-.014
37	zCorrectRejectionRate CalmHappy	.013	-.161	.046	.042	.017	-.020	-.004	.022	-.162	-.153	-.095	-.087	-.129
38	zCorrectRejectionRate Calm Target	.037	-.104	.016	.007	.004	-.011	-.009	-.001	-.184	-.115	-.142	-.087	-.094
39	zCorrectRejectionRate Emotional Distractor	.108	-.175	.055	.037	.083	.085	.079	.068	-.217*	-.203*	-.133	-.131	-.079
40	zCorrectRejectionRate Emotional Target	.158	-.165	.066	.051	.146	.183	.176	.134	-.146	-.185	-.062	-.104	-.018
41	zCorrectRejectionRate FearCalm	.109	-.045	.007	.003	.072	.116	.135	.082	-.074	-.093	-.055	-.073	.013
42	zCorrectRejectionRate Fear Distractor	.096	-.101	-.040	-.045	.059	.149	.144	.057	-.098	-.116	-.122	-.135	-.044
43	zCorrectRejectionRate FearHappy	.142	-.191	.149	.138	.145	.090	.073	.125	-.217*	-.180	-.035	-.015	-.021
44	zCorrectRejectionRate Fear Target	.166	-.190	.130	.117	.161	.138	.135	.149	-.220*	-.199*	-.063	-.055	-.020
45	zCorrectRejectionRate HappyCalm	.018	.048	-.039	-.055	-.003	.037	.028	-.016	.088	.080	.038	.015	.027
46	zCorrectRejectionRate Happy Distractor	.093	-.202*	.098	.080	.086	.043	.042	.072	-.232*	-.206*	-.105	-.095	-.094
47	zCorrectRejectionRate HappyFear	.106	-.109	-.029	-.044	.092	.193	.186	.083	-.052	-.156	-.072	-.166	-.019
48	zCorrectRejectionRate Happy Target	.097	-.037	-.025	-.031	.088	.181	.176	.085	.047	-.040	.016	-.061	.033
49	zCorrectRejectionRate NonEmotional Distractor	.080	-.041	.014	.004	.061	.091	.096	.059	-.044	-.068	-.025	-.051	.000
50	zCorrectRejectionRate NonEmotional Target	.037	-.104	.016	.007	.004	-.011	-.009	-.001	-.184	-.115	-.142	-.087	-.094
51	zFalseAlarmRate Calm Distractor	-.080	.041	-.014	-.004	-.061	-.091	-.096	-.059	.044	.068	.025	.051	.000
52	zFalseAlarmRate CalmFear	-.024	.056	.029	.021	.000	-.032	-.017	.002	.120	-.014	.126	.008	.055
53	zFalseAlarmRate CalmHappy	-.033	.174	-.054	-.047	-.033	.001	-.015	-.036	.164	.152	.088	.081	.126
54	zFalseAlarmRate Calm Target	-.037	.104	-.016	-.007	-.004	.011	.009	.001	.184	.115	.142	.087	.094
55	zFalseAlarmRate Emotional Distractor	-.108	.175	-.055	-.037	-.083	-.085	-.079	-.068	.217*	.203*	.133	.131	.079
56	zFalseAlarmRate Emotional Target	-.158	.165	-.066	-.051	-.146	-.183	-.176	-.134	.146	.185	.062	.104	.018

		144	145	146	147	148	149	150	151	152	153	154	155	156
57	zFalseAlarmRate FearCalm	-.069	.037	.027	.039	-.037	-.093	-.107	-.041	.040	.046	.060	.073	.011
58	zFalseAlarmRate Fear Distractor	-.096	.101	.040	.045	-.059	-.149	-.144	-.057	.098	.116	.122	.135	.044
59	zFalseAlarmRate FearHappy	-.156	.196	-.150	-.134	-.164	-.122	-.106	-.142	.215*	.165	.032	.007	.007
60	zFalseAlarmRate Fear Target	-.166	.190	-.130	-.117	-.161	-.138	-.135	-.149	.220*	.199*	.063	.055	.020
61	zFalseAlarmRate HappyCalm	-.026	-.022	.054	.062	.002	-.056	-.047	.009	-.070	-.063	-.008	.005	-.007
62	zFalseAlarmRate Happy Distractor	-.093	.202*	-.098	-.080	-.086	-.043	-.042	-.072	.232*	.206*	.105	.095	.094
63	zFalseAlarmRate HappyFear	-.123	.129	-.017	.009	-.132	-.213*	-.203*	-.114	.069	.178	.043	.152	.000
64	zFalseAlarmRate Happy Target	-.097	.037	.025	.031	-.088	-.181	-.176	-.085	-.047	.040	-.016	.061	-.033
65	zFalseAlarmRate NonEmotional Distractor	-.080	.041	-.014	-.004	-.061	-.091	-.096	-.059	.044	.068	.025	.051	.000
66	zFalseAlarmRate NonEmotional Target	-.037	.104	-.016	-.007	-.004	.011	.009	.001	.184	.115	.142	.087	.094
67	zHitRate Calm Distractor	-.064	.105	-.099	-.093	-.085	-.041	-.050	-.085	.156	.184	.039	.064	.022
68	zHitRate CalmFear	-.214*	.045	-.170	-.146	-.194	-.154	-.180	-.192	.019	-.026	-.149	-.153	-.137
69	zHitRate CalmHappy	-.091	.011	.105	.066	-.057	-.215*	-.226*	-.093	-.134	-.126	-.008	-.036	-.040
70	zHitRate Calm Target	-.159	.008	.006	-.008	-.133	-.238*	-.259*	-.157	-.117	-.128	-.094	-.111	-.113
71	zHitRate Emotional Distractor	-.115	.051	-.015	-.028	-.111	-.178	-.194	-.131	-.036	-.076	-.045	-.087	-.059
72	zHitRate Emotional Target	-.036	.133	-.127	-.118	-.073	.011	.016	-.060	.222*	.176	.068	.036	.051
73	zHitRate FearCalm	-.059	.026	-.056	-.075	-.056	-.037	-.051	-.075	.084	.133	.016	.038	-.015
74	zHitRate Fear Distractor	-.169	.087	-.133	-.109	-.163	-.141	-.169	-.163	.073	.012	-.066	-.089	-.075
75	zHitRate FearHappy	-.021	.000	-.105	-.115	-.061	.008	.023	-.054	.079	.002	-.036	-.102	-.061
76	zHitRate Fear Target	-.037	.047	-.114	-.135	-.060	.020	.022	-.067	.159	.144	.026	-.006	-.006
77	zHitRate HappyCalm	-.026	.174	-.131	-.089	-.098	-.027	-.019	-.064	.172	.120	.022	.017	.057
78	zHitRate Happy Distractor	-.053	-.005	.059	.020	-.038	-.131	-.139	-.070	-.053	-.074	.011	-.042	-.039
79	zHitRate HappyFear	.088	.129	.058	.083	.055	.033	.042	.074	.130	.066	.166	.129	.153
80	zHitRate Happy Target	.074	.149	.003	.063	.027	.044	.056	.070	.110	.032	.097	.084	.143
81	zHitRate NonEmotional Distractor	-.064	.105	-.099	-.093	-.085	-.041	-.050	-.085	.156	.184	.039	.064	.022
82	zHitRate NonEmotional Target	-.159	.008	.006	-.008	-.133	-.238*	-.259*	-.157	-.117	-.128	-.094	-.111	-.113
83	zMissRate Calm Distractor	.064	-.105	.099	.093	.085	.041	.050	.085	-.156	-.184	-.039	-.064	-.022
84	zMissRate CalmFear	.214*	-.045	.170	.146	.194	.154	.180	.192	-.019	.026	.149	.153	.137
85	zMissRate CalmHappy	.091	-.011	-.105	-.066	.057	.215*	.226*	.093	.134	.126	.008	.036	.040

		144	145	146	147	148	149	150	151	152	153	154	155	156
86	zMissRate Calm Target	.159	-.008	-.006	.008	.133	.238*	.259*	.157	.117	.128	.094	.111	.113
87	zMissRate Emotional Distractor	.115	-.051	.015	.028	.111	.178	.194	.131	.036	.076	.045	.087	.059
88	zMissRate Emotional Target	.036	-.133	.127	.118	.073	-.011	-.016	.060	-.222*	-.176	-.068	-.036	-.051
89	zMissRate FearCalm	.059	-.026	.056	.075	.056	.037	.051	.075	-.084	-.133	-.016	-.038	.015
90	zMissRate Fear Distractor	.169	-.087	.133	.109	.163	.141	.169	.163	-.073	-.012	.066	.089	.075
91	zMissRate FearHappy	.021	.000	.105	.115	.061	-.008	-.023	.054	-.079	-.002	.036	.102	.061
92	zMissRate Fear Target	.037	-.047	.114	.135	.060	-.020	-.022	.067	-.159	-.144	-.026	.006	.006
93	zMissRate HappyCalm	.026	-.174	.131	.089	.098	.027	.019	.064	-.172	-.120	-.022	-.017	-.057
94	zMissRate Happy Distractor	.053	.005	-.059	-.020	.038	.131	.139	.070	.053	.074	-.011	.042	.039
95	zMissRate HappyFear	-.088	-.129	-.058	-.083	-.055	-.033	-.042	-.074	-.130	-.066	-.166	-.129	-.153
96	zMissRate Happy Target	-.074	-.149	-.003	-.063	-.027	-.044	-.056	-.070	-.110	-.032	-.097	-.084	-.143
97	zMissRate NonEmotional Distractor	.064	-.105	.099	.093	.085	.041	.050	.085	-.156	-.184	-.039	-.064	-.022
98	zMissRate NonEmotional Target	.159	-.008	-.006	.008	.133	.238*	.259*	.157	.117	.128	.094	.111	.113
99	zRT AllRuns Hits	.093	.027	-.001	.021	.060	.105	.090	.066	-.033	-.083	-.029	-.051	.076
100	zRT Calm Distractor Hits	.095	.014	.018	.038	.069	.099	.085	.073	-.050	-.098	-.026	-.048	.069
101	zRT Calm Target Hits	.059	.049	-.072	-.052	.017	.109	.096	.026	.029	-.011	-.044	-.056	.058
102	zRT Emotional Distractor Hits	.090	.044	-.018	.001	.056	.119	.106	.063	-.004	-.053	-.021	-.042	.088
103	zRT Emotional Target Hits	.110	.028	.031	.050	.082	.109	.095	.086	-.042	-.093	-.007	-.034	.094
104	zRT Fear Distractor Hits	.094	.074	-.018	.006	.065	.135	.118	.072	.026	-.006	.005	.001	.123
105	zRT Fear Target Hits	.127	-.021	.053	.076	.108	.128	.115	.114	-.085	-.140	-.021	-.046	.074
106	zRT Happy Distractor Hits	.085	.008	-.016	.000	.055	.114	.103	.061	-.037	-.103	-.047	-.083	.055
107	zRT Happy Target Hits	.092	.067	.009	.022	.061	.097	.082	.061	-.011	-.054	-.001	-.023	.112
108	zRT Hits Calm	.076	.022	-.022	.001	.042	.097	.082	.049	-.030	-.076	-.047	-.064	.055
109	ZRT Hits CalmFear	.073	.050	-.039	-.008	.049	.129	.105	.057	.006	-.001	-.033	-.008	.088
110	ZRT Hits CalmHappy	.046	-.037	-.062	-.048	.018	.099	.091	.024	-.041	-.122	-.093	-.138	-.016
111	zRT Hits Fear	.111	.027	.022	.045	.082	.119	.104	.088	-.036	-.079	-.010	-.026	.094
112	ZRT Hits FearCalm	.127	-.071	.051	.072	.110	.134	.123	.116	-.111	-.169	-.043	-.068	.034
113	ZRT Hits FearHappy	.140	.000	.063	.083	.118	.138	.126	.124	-.080	-.138	-.006	-.032	.105
114	zRT Hits Happy	.095	.019	.008	.027	.065	.104	.091	.070	-.041	-.098	-.028	-.059	.072

		144	145	146	147	148	149	150	151	152	153	154	155	156
115	ZRT Hits HappyCalm	.095	.058	.017	.043	.061	.088	.074	.069	-.033	-.080	-.012	-.026	.105
116	ZRT Hits HappyFear	.101	.083	.008	.021	.077	.127	.115	.080	.036	-.017	.038	.006	.139
117	zRT Hits	.093	.027	-.001	.021	.060	.105	.090	.066	-.033	-.083	-.029	-.051	.076
118	zRT Nonemotional Distractor Hits	.095	.014	.018	.038	.069	.099	.085	.073	-.050	-.098	-.026	-.048	.069
119	zRT Nonemotional Target Hits	.059	.049	-.072	-.052	.017	.109	.096	.026	.029	-.011	-.044	-.056	.058
120	Zero Complement Presented Framing Index	-.216*	.285**	-.100	-.052	-.131	-.118	-.116	-.100	.199*	.217*	.079	.136	.116
121	Zero Complement Presented Gain Lives Risky Choices	.634**	-.051	.615**	.595**	.561**	.303**	.313**	.541**	-.180	-.118	.428**	.441**	.445**
122	Zero Complement Presented Gain Lives Signed Confidence	.698**	-.050	.643**	.669**	.597**	.335**	.360**	.613**	-.163	-.103	.471**	.520**	.479**
123	Zero Complement Presented Gain Risky Choices	.810**	-.049	.535**	.510**	.652**	.547**	.557**	.635**	-.099	-.048	.423**	.422**	.528**
124	Zero Complement Presented Gain Money Risky Choices	.740**	-.033	.295**	.274**	.545**	.622**	.628**	.537**	.010	.035	.290**	.278**	.450**
125	Zero Complement Presented Gain Money Signed Confidence	.760**	-.044	.291**	.276**	.549**	.635**	.656**	.555**	.017	.036	.292**	.281**	.445**
126	Zero Complement Presented Gain Signed Confidence	.848**	-.054	.532**	.537**	.664**	.572**	.598**	.676**	-.079	-.034	.437**	.458**	.535**
127	Zero Complement Presented Lives Framing Index	-.216*	.285**	-.100	-.052	-.131	-.118	-.116	-.100	.199*	.217*	.079	.136	.116
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.245*	.278**	-.085	-.038	-.141	-.151	-.164	-.120	.173	.214*	.070	.146	.104
129	Zero Complement Presented Loss Lives Risky Choices	.515**	.172	.506**	.494**	.556**	.412**	.390**	.526**	.157	.195	.619**	.613**	.622**
130	Zero Complement Presented Loss Lives Signed Confidence	.541**	.168	.504**	.520**	.548**	.401**	.390**	.542**	.180	.252*	.637**	.686**	.613**
131	Zero Complement Presented Loss Risky Choices	.588**	.255*	.407**	.416**	.556**	.520**	.511**	.552**	.219*	.266**	.579**	.603**	.691**
132	Zero Complement Presented Loss Money Risky Choices	.520**	.285**	.192	.224*	.414**	.508**	.517**	.441**	.233*	.278**	.386**	.438**	.593**
133	Zero Complement Presented Loss Money Signed Confidence	.517**	.273**	.208*	.246*	.415**	.493**	.501**	.445**	.216*	.283**	.386**	.462**	.586**
134	Zero Complement Presented Loss Signed Confidence	.595**	.248*	.400**	.431**	.542**	.503**	.502**	.555**	.223*	.301**	.576**	.645**	.675**

	144	145	146	147	148	149	150	151	152	153	154	155	156
135 Zero Complement Presented Money Framing Index	-.216*	.285**	-.100	-.052	-.131	-.118	-.116	-.100	.199*	.217*	.079	.136	.116
136 Zero Complement Presented Money Signed Confidence Framing Index	-.245*	.278**	-.085	-.038	-.141	-.151	-.164	-.120	.173	.214*	.070	.146	.104
137 Zero Complement Presented Signed Confidence Framing Index	-.245*	.278**	-.085	-.038	-.141	-.151	-.164	-.120	.173	.214*	.070	.146	.104
138 Framing Index	-.205*	.818**	-.142	-.130	-.170	-.140	-.138	-.159	.710**	.682**	.484**	.459**	.546**
139 Gain Lives Risky Choices	.779**	-.177	.896**	.873**	.802**	.415**	.431**	.776**	-.271**	-.229*	.617**	.598**	.545**
140 Gain Lives Signed Confidence	.809**	-.177	.865**	.903**	.789**	.426**	.449**	.805**	-.253*	-.232*	.603**	.623**	.535**
141 Gain Risky Choices	.970**	-.184	.726**	.717**	.898**	.765**	.775**	.888**	-.162	-.131	.551**	.540**	.623**
142 Gain Money Risky Choices	.855**	-.133	.329**	.337**	.710**	.873**	.873**	.720**	-.002	.007	.311**	.312**	.505**
143 Gain Money Signed Confidence	.872**	-.143	.317**	.334**	.692**	.854**	.874**	.719**	-.002	.001	.300**	.304**	.481**
144 Gain Signed Confidence	1	-.188	.671**	.702**	.873**	.783**	.808**	.899**	-.138	-.124	.518**	.532**	.599**
145 Both Complements Presented Framing Index	-.188	1	-.299**	-.280**	-.334**	-.254*	-.243*	-.312**	.812**	.697**	.425**	.335**	.567**
146 Both Complements Presented Gain Lives Risky Choices	.671**	-.299**	1	.961**	.845**	.376**	.387**	.803**	-.403**	-.338**	.601**	.586**	.485**
147 Both Complements Presented Gain Lives Signed Confidence	.702**	-.280**	.961**	1	.830**	.393**	.410**	.840**	-.373**	-.351**	.590**	.611**	.486**
148 Both Complements Presented Gain Risky Choices	.873**	-.334**	.845**	.830**	1	.813**	.811**	.977**	-.270**	-.209*	.569**	.577**	.584**
149 Both Complements Presented Gain Money Risky Choices	.783**	-.254*	.376**	.393**	.813**	1	.984**	.819**	-.029	.006	.333**	.361**	.484**
150 Both Complements Presented Gain Money Signed Confidence	.808**	-.243*	.387**	.410**	.811**	.984**	1	.839**	-.021	.009	.350**	.380**	.489**
151 Both Complements Presented Gain Signed Confidence	.899**	-.312**	.803**	.840**	.977**	.819**	.839**	1	-.235*	-.204*	.560**	.590**	.581**
152 Both Complements Presented Lives Framing Index	-.138	.812**	-.403**	-.373**	-.270**	-.029	-.021	-.235*	1	.858**	.490**	.386**	.462**
153 Both Complements Presented Lives Signed Confidence Framing Index	-.124	.697**	-.338**	-.351**	-.209*	.006	.009	-.204*	.858**	1	.427**	.527**	.415**
154 Both Complements Presented Loss Lives Risky Choices	.518**	.425**	.601**	.590**	.569**	.333**	.350**	.560**	.490**	.427**	1	.896**	.866**
155 Both Complements Presented Loss Lives Signed Confidence	.532**	.335**	.586**	.611**	.577**	.361**	.380**	.590**	.386**	.527**	.896**	1	.792**

		144	145	146	147	148	149	150	151	152	153	154	155	156
156	Both Complements Presented Loss Risky Choices	.599**	.567**	.485**	.486**	.584**	.484**	.489**	.581**	.462**	.415**	.866**	.792**	1
157	Both Complements Presented Loss Money Risky Choices	.544**	.540**	.252*	.268**	.476**	.553**	.550**	.486**	.286**	.271**	.488**	.470**	.863**
158	Both Complements Presented Loss Money Signed Confidence	.597**	.510**	.300**	.322**	.511**	.560**	.573**	.532**	.282**	.287**	.532**	.532**	.869**
159	Both Complements Presented Loss Signed Confidence	.636**	.483**	.505**	.530**	.610**	.507**	.522**	.627**	.390**	.473**	.822**	.881**	.946**
160	Both Complements Presented Money Framing Index	-.153	.816**	-.083	-.077	-.256*	-.356**	-.343**	-.248*	.306**	.265**	.184	.151	.444**
161	Both Complements Presented Money Signed Confidence Framing Index	-.166	.779**	-.062	-.059	-.261**	-.388**	-.390**	-.265**	.288**	.275**	.188	.176	.409**
162	Both Complements Presented Signed Confidence Framing Index	-.188	.921**	-.251*	-.258**	-.303**	-.252*	-.253*	-.304**	.723**	.799**	.393**	.441**	.523**
163	Money Framing Index	-.208*	.697**	-.016	-.009	-.164	-.267**	-.254*	-.156	.368**	.385**	.306**	.318**	.434**
164	Money Risky Choices	.806**	.185	.340**	.352**	.674**	.798**	.804**	.688**	.170	.188	.472**	.478**	.736**
165	Money Signed Confidence Framing Index	-.333**	.649**	-.043	-.039	-.244*	-.376**	-.380**	-.249*	.328**	.375**	.245*	.282**	.328**
166	Money Signed Confidence	.840**	.148	.342**	.364**	.676**	.798**	.819**	.704**	.155	.181	.461**	.484**	.708**
167	Nonzero Complement Presented Framing Index	-.114	.530**	.063	.049	-.012	-.089	-.075	-.015	.455**	.500**	.458**	.467**	.435**
168	Nonzero Complement Presented Gain Lives Risky Choices	.681**	-.086	.646**	.645**	.621**	.374**	.393**	.618**	-.096	-.114	.531**	.489**	.458**
169	Nonzero Complement Presented Gain Lives Signed Confidence	.708**	-.115	.632**	.664**	.615**	.379**	.398**	.632**	-.112	-.134	.504**	.489**	.431**
170	Nonzero Complement Presented Gain Risky Choices	.853**	-.089	.512**	.526**	.686**	.631**	.649**	.700**	-.050	-.081	.444**	.409**	.518**
171	Nonzero Complement Presented Gain Money Risky Choices	.723**	-.061	.196	.221*	.507**	.665**	.675**	.533**	.014	-.019	.198*	.184	.394**
172	Nonzero Complement Presented Gain Money Signed Confidence	.746**	-.098	.194	.224*	.507**	.667**	.683**	.540**	-.002	-.028	.183	.180	.361**
173	Nonzero Complement Presented Gain Signed Confidence	.891**	-.128	.454**	.492**	.672**	.671**	.691**	.704**	-.057	-.087	.383**	.373**	.475**
174	Nonzero Complement Presented Lives Framing Index	-.094	.395**	-.027	-.020	-.033	-.029	-.021	-.024	.426**	.446**	.347**	.359**	.314**

	144	145	146	147	148	149	150	151	152	153	154	155	156
175 Nonzero Complement Presented Lives Signed Confidence Framing Index	-.143	.406**	-.049	-.046	-.067	-.064	-.058	-.061	.410**	.476**	.313**	.360**	.291**
176 Nonzero Complement Presented Loss Lives Risky Choices	.464**	.315**	.486**	.490**	.473**	.297**	.319**	.478**	.343**	.350**	.762**	.740**	.680**
177 Nonzero Complement Presented Loss Lives Signed Confidence	.473**	.304**	.483**	.512**	.467**	.288**	.309**	.486**	.319**	.369**	.740**	.775**	.666**
178 Nonzero Complement Presented Loss Risky Choices	.593**	.404**	.457**	.453**	.548**	.452**	.477**	.554**	.376**	.394**	.764**	.744**	.812**
179 Nonzero Complement Presented Loss Money Risky Choices	.585**	.400**	.317**	.308**	.490**	.503**	.525**	.496**	.310**	.334**	.573**	.562**	.753**
180 Nonzero Complement Presented Loss Money Signed Confidence	.604**	.412**	.298**	.301**	.482**	.510**	.538**	.500**	.317**	.366**	.561**	.583**	.759**
181 Nonzero Complement Presented Loss Signed Confidence	.610**	.405**	.438**	.454**	.539**	.457**	.484**	.559**	.365**	.422**	.736**	.769**	.807**
182 Nonzero Complement Presented Money Framing Index	-.094	.479**	.141	.107	.017	-.124	-.110	-.001	.311**	.369**	.406**	.409**	.404**
183 Nonzero Complement Presented Money Signed Confidence Framing Index	-.308**	.442**	.035	.005	-.151	-.300**	-.294**	-.172	.261**	.329**	.261**	.283**	.231*
184 Nonzero Complement Presented Signed Confidence Framing Index	-.283**	.514**	.002	-.015	-.138	-.241*	-.233*	-.147	.395**	.474**	.347**	.387**	.311**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		157	158	159	160	161	162	163	164	165	166	167	168	169
1	Criterion	.056	.067	.028	-.118	-.125	-.117	-.055	.152	-.099	.171	-.171	.107	.061
2	Criterion Calm Distractor	.059	.045	-.031	.023	.000	-.116	.071	.108	.001	.096	-.098	.186	.151
3	Criterion CalmFear	.111	.118	.122	.018	.015	.028	.048	.156	.012	.167	-.110	.168	.127
4	Criterion CalmHappy	-.038	-.028	-.044	-.155	-.169	-.137	-.106	.053	-.126	.075	-.174	.032	-.015
5	Criterion Calm Target	.067	.069	.046	-.064	-.087	-.055	-.044	.136	-.091	.153	-.173	.110	.049
6	Criterion Emotional Distractor	.039	.033	-.002	-.122	-.145	-.147	-.098	.126	-.145	.140	-.239*	.108	.060
7	Criterion Emotional Target	.029	.010	-.053	-.067	-.083	-.195	-.045	.102	-.095	.092	-.219*	.156	.128
8	Criterion FearCalm	.122	.115	.012	.078	.048	-.073	.052	.135	-.004	.132	-.032	.103	.069
9	Criterion Fear Distractor	.076	.067	.012	-.075	-.108	-.123	-.018	.171	-.092	.179	-.193	.160	.115
10	Criterion FearHappy	.021	.026	.043	-.062	-.040	-.107	-.148	.025	-.129	.035	-.213*	.071	.060
11	Criterion Fear Target	.053	.042	.000	-.006	-.018	-.147	-.054	.063	-.075	.061	-.159	.125	.102
12	Criterion HappyCalm	-.006	.007	.003	-.032	-.004	.000	.054	.067	.024	.066	-.115	.151	.123
13	Criterion Happy Distractor	.011	.008	-.018	-.105	-.120	-.133	-.140	.063	-.148	.078	-.219*	.029	-.009
14	Criterion HappyFear	.000	-.040	-.144	-.133	-.173	-.215*	-.033	.125	-.119	.100	-.207*	.047	.024
15	Criterion Happy Target	-.020	-.040	-.080	-.130	-.148	-.132	-.005	.103	-.072	.085	-.123	.115	.079
16	Criterion NonEmotional Distractor	.059	.045	-.031	.023	.000	-.116	.071	.108	.001	.096	-.098	.186	.151
17	Criterion NonEmotional Target	.067	.069	.046	-.064	-.087	-.055	-.044	.136	-.091	.153	-.173	.110	.049
18	DPrime	.006	.002	-.088	.067	.083	-.039	-.045	.035	-.053	.014	-.138	.006	-.029
19	DPrime Calm Distractor	.042	.055	.024	.020	.036	.051	.028	.052	-.010	.075	-.069	.052	.034
20	DPrime CalmFear	.006	-.026	-.091	.125	.139	.084	.028	-.040	.072	-.074	-.039	-.173	-.186
21	DPrime CalmHappy	-.120	-.121	-.121	.032	.039	-.093	-.009	-.108	-.012	-.129	-.109	.076	.026
22	DPrime Calm Target	-.076	-.080	-.138	.127	.153	-.025	.032	-.078	.052	-.112	-.128	-.001	-.036
23	DPrime Emotional Distractor	-.032	-.042	-.126	.050	.063	-.098	-.033	.016	-.034	-.017	-.162	.018	-.009
24	DPrime Emotional Target	.057	.059	-.014	-.107	-.112	-.107	-.123	.139	-.177	.161	-.152	.013	-.001
25	DPrime FearCalm	.040	.051	.001	-.030	-.030	-.026	-.060	.062	-.092	.093	-.062	.005	-.001
26	DPrime Fear Distractor	.018	-.032	-.142	.028	.005	-.073	-.027	.055	-.052	.021	-.101	-.100	-.126
27	DPrime FearHappy	-.040	-.021	-.052	-.128	-.105	-.161	-.208*	.049	-.184	.060	-.206*	-.002	-.009
28	DPrime Fear Target	-.008	.010	-.025	-.156	-.144	-.130	-.209*	.082	-.215*	.108	-.170	.006	.000

		157	158	159	160	161	162	163	164	165	166	167	168	169
29	DPrime HappyCalm	.064	.074	.046	.075	.094	.120	.072	.057	.032	.066	-.055	.065	.043
30	DPrime Happy Distractor	-.097	-.091	-.110	-.044	-.026	-.142	-.112	-.033	-.112	-.045	-.174	.058	.026
31	DPrime HappyFear	.107	.074	-.018	-.045	-.087	-.133	-.026	.179	-.124	.170	-.055	.062	.028
32	DPrime Happy Target	.152	.130	.054	.015	-.018	-.043	.034	.171	-.069	.178	-.032	.059	.045
33	DPrime NonEmotional Distractor	.042	.055	.024	.020	.036	.051	.028	.052	-.010	.075	-.069	.052	.034
34	DPrime NonEmotional Target	-.076	-.080	-.138	.127	.153	-.025	.032	-.078	.052	-.112	-.128	-.001	-.036
35	zCorrectRejectionRate Calm Distractor	.066	.063	-.008	.028	.021	-.052	.066	.106	-.005	.111	-.108	.160	.125
36	zCorrectRejectionRate CalmFear	.095	.080	.044	.090	.096	.074	.056	.102	.053	.091	-.113	.031	-.009
37	zCorrectRejectionRate CalmHappy	-.112	-.105	-.115	-.081	-.086	-.158	-.078	-.041	-.094	-.042	-.194	.075	.008
38	zCorrectRejectionRate Calm Target	.000	-.002	-.059	.037	.037	-.059	-.011	.051	-.034	.041	-.218*	.084	.013
39	zCorrectRejectionRate Emotional Distractor	.009	-.003	-.082	-.059	-.068	-.172	-.094	.104	-.130	.093	-.281**	.092	.039
40	zCorrectRejectionRate Emotional Target	.050	.037	-.046	-.104	-.119	-.197	-.096	.146	-.160	.150	-.238*	.121	.093
41	zCorrectRejectionRate FearCalm	.107	.109	.009	.037	.016	-.066	.003	.129	-.054	.144	-.057	.075	.048
42	zCorrectRejectionRate Fear Distractor	.068	.034	-.067	-.043	-.081	-.133	-.028	.160	-.099	.148	-.202*	.069	.021
43	zCorrectRejectionRate FearHappy	-.010	.004	-.004	-.112	-.085	-.157	-.210*	.044	-.184	.056	-.248*	.042	.031
44	zCorrectRejectionRate Fear Target	.035	.037	-.014	-.089	-.092	-.181	-.154	.091	-.173	.105	-.212*	.097	.076
45	zCorrectRejectionRate HappyCalm	.031	.044	.027	.022	.048	.065	.069	.068	.031	.072	-.094	.119	.092
46	zCorrectRejectionRate Happy Distractor	-.057	-.055	-.086	-.104	-.102	-.189	-.173	.023	-.180	.025	-.271**	.059	.011
47	zCorrectRejectionRate HappyFear	.059	.017	-.094	-.103	-.149	-.199*	-.034	.172	-.138	.153	-.151	.062	.030
48	zCorrectRejectionRate Happy Target	.069	.045	-.019	-.072	-.100	-.104	.015	.155	-.080	.147	-.092	.102	.072
49	zCorrectRejectionRate NonEmotional Distractor	.066	.063	-.008	.028	.021	-.052	.066	.106	-.005	.111	-.108	.160	.125
50	zCorrectRejectionRate NonEmotional Target	.000	-.002	-.059	.037	.037	-.059	-.011	.051	-.034	.041	-.218*	.084	.013
51	zFalseAlarmRate Calm Distractor	-.066	-.063	.008	-.028	-.021	.052	-.066	-.106	.005	-.111	.108	-.160	-.125
52	zFalseAlarmRate CalmFear	-.052	-.037	-.009	-.053	-.054	-.029	-.032	-.070	-.032	-.065	.138	-.017	.014
53	zFalseAlarmRate CalmHappy	.112	.104	.111	.101	.104	.168	.096	.025	.114	.025	.194	-.087	-.020
54	zFalseAlarmRate Calm Target	.000	.002	.059	-.037	-.037	.059	.011	-.051	.034	-.041	.218*	-.084	-.013
55	zFalseAlarmRate Emotional Distractor	-.009	.003	.082	.059	.068	.172	.094	-.104	.130	-.093	.281**	-.092	-.039
56	zFalseAlarmRate Emotional Target	-.050	-.037	.046	.104	.119	.197	.096	-.146	.160	-.150	.238*	-.121	-.093

		157	158	159	160	161	162	163	164	165	166	167	168	169
57	zFalseAlarmRate FearCalm	-.070	-.077	.009	-.018	-.010	.041	-.004	-.105	.035	-.114	.064	-.061	-.032
58	zFalseAlarmRate Fear Distractor	-.068	-.034	.067	.043	.081	.133	.028	-.160	.099	-.148	.202*	-.069	-.021
59	zFalseAlarmRate FearHappy	-.010	-.022	-.011	.123	.101	.158	.212*	-.068	.197	-.081	.239*	-.049	-.035
60	zFalseAlarmRate Fear Target	-.035	-.037	.014	.089	.092	.181	.154	-.091	.173	-.105	.212*	-.097	-.076
61	zFalseAlarmRate HappyCalm	-.025	-.033	-.009	.003	-.016	-.034	-.042	-.066	.005	-.074	.113	-.111	-.086
62	zFalseAlarmRate Happy Distractor	.057	.055	.086	.104	.102	.189	.173	-.023	.180	-.025	.271**	-.059	-.011
63	zFalseAlarmRate HappyFear	-.063	-.021	.083	.118	.163	.221*	.051	-.166	.158	-.151	.189	-.093	-.057
64	zFalseAlarmRate Happy Target	-.069	-.045	.019	.072	.100	.104	-.015	-.155	.080	-.147	.092	-.102	-.072
65	zFalseAlarmRate NonEmotional Distractor	-.066	-.063	.008	-.028	-.021	.052	-.066	-.106	.005	-.111	.108	-.160	-.125
66	zFalseAlarmRate NonEmotional Target	.000	.002	.059	-.037	-.037	.059	.011	-.051	.034	-.041	.218*	-.084	-.013
67	zHitRate Calm Distractor	-.021	.001	.044	-.006	.026	.139	-.042	-.057	-.008	-.031	.037	-.126	-.108
68	zHitRate CalmFear	-.086	-.110	-.151	.060	.072	.028	-.022	-.148	.033	-.177	.066	-.239*	-.214*
69	zHitRate CalmHappy	-.064	-.073	-.061	.134	.151	.028	.071	-.123	.084	-.156	.042	.034	.031
70	zHitRate Calm Target	-.098	-.102	-.123	.129	.162	.024	.053	-.150	.101	-.186	.044	-.081	-.060
71	zHitRate Emotional Distractor	-.051	-.053	-.083	.127	.154	.048	.054	-.087	.089	-.119	.077	-.071	-.053
72	zHitRate Emotional Target	.011	.030	.040	-.009	.004	.113	-.039	-.004	-.029	.021	.106	-.139	-.122
73	zHitRate FearCalm	-.073	-.059	-.001	-.082	-.054	.069	-.075	-.076	-.047	-.051	.003	-.093	-.069
74	zHitRate Fear Distractor	-.056	-.079	-.099	.083	.098	.064	.000	-.118	.050	-.145	.108	-.204*	-.180
75	zHitRate FearHappy	-.057	-.044	-.088	-.057	-.057	-.044	-.047	.020	-.043	.021	.016	-.070	-.066
76	zHitRate Fear Target	-.052	-.030	-.016	-.095	-.077	.046	-.087	-.003	-.073	.015	.031	-.108	-.090
77	zHitRate HappyCalm	.083	.079	.052	.127	.115	.140	.018	-.015	.008	-.003	.076	-.109	-.101
78	zHitRate Happy Distractor	-.077	-.070	-.064	.047	.071	.000	.026	-.071	.032	-.091	.042	.020	.025
79	zHitRate HappyFear	.109	.118	.138	.100	.101	.096	.009	.048	.002	.066	.169	.013	.004
80	zHitRate Happy Target	.164	.166	.138	.154	.143	.102	.037	.052	.012	.079	.103	-.068	-.042
81	zHitRate NonEmotional Distractor	-.021	.001	.044	-.006	.026	.139	-.042	-.057	-.008	-.031	.037	-.126	-.108
82	zHitRate NonEmotional Target	-.098	-.102	-.123	.129	.162	.024	.053	-.150	.101	-.186	.044	-.081	-.060
83	zMissRate Calm Distractor	.021	-.001	-.044	.006	-.026	-.139	.042	.057	.008	.031	-.037	.126	.108
84	zMissRate CalmFear	.086	.110	.151	-.060	-.072	-.028	.022	.148	-.033	.177	-.066	.239*	.214*
85	zMissRate CalmHappy	.064	.073	.061	-.134	-.151	-.028	-.071	.123	-.084	.156	-.042	-.034	-.031

		157	158	159	160	161	162	163	164	165	166	167	168	169
86	zMissRate Calm Target	.098	.102	.123	-.129	-.162	-.024	-.053	.150	-.101	.186	-.044	.081	.060
87	zMissRate Emotional Distractor	.051	.053	.083	-.127	-.154	-.048	-.054	.087	-.089	.119	-.077	.071	.053
88	zMissRate Emotional Target	-.011	-.030	-.040	.009	-.004	-.113	.039	.004	.029	-.021	-.106	.139	.122
89	zMissRate FearCalm	.073	.059	.001	.082	.054	-.069	.075	.076	.047	.051	-.003	.093	.069
90	zMissRate Fear Distractor	.056	.079	.099	-.083	-.098	-.064	.000	.118	-.050	.145	-.108	.204*	.180
91	zMissRate FearHappy	.057	.044	.088	.057	.057	.044	.047	-.020	.043	-.021	-.016	.070	.066
92	zMissRate Fear Target	.052	.030	.016	.095	.077	-.046	.087	.003	.073	-.015	-.031	.108	.090
93	zMissRate HappyCalm	-.083	-.079	-.052	-.127	-.115	-.140	-.018	.015	-.008	.003	-.076	.109	.101
94	zMissRate Happy Distractor	.077	.070	.064	-.047	-.071	.000	-.026	.071	-.032	.091	-.042	-.020	-.025
95	zMissRate HappyFear	-.109	-.118	-.138	-.100	-.101	-.096	-.009	-.048	-.002	-.066	-.169	-.013	-.004
96	zMissRate Happy Target	-.164	-.166	-.138	-.154	-.143	-.102	-.037	-.052	-.012	-.079	-.103	.068	.042
97	zMissRate NonEmotional Distractor	.021	-.001	-.044	.006	-.026	-.139	.042	.057	.008	.031	-.037	.126	.108
98	zMissRate NonEmotional Target	.098	.102	.123	-.129	-.162	-.024	-.053	.150	-.101	.186	-.044	.081	.060
99	zRT AllRuns Hits	.162	.146	.052	.077	.069	-.008	.089	.176	.055	.152	-.073	.055	.040
100	zRT Calm Distractor Hits	.153	.139	.048	.080	.074	-.017	.101	.170	.067	.145	-.061	.067	.055
101	zRT Calm Target Hits	.141	.130	.041	.045	.038	.020	.068	.168	.032	.153	-.077	.000	-.017
102	zRT Emotional Distractor Hits	.173	.160	.066	.072	.063	.010	.082	.187	.050	.166	-.064	.039	.020
103	zRT Emotional Target Hits	.175	.160	.069	.090	.082	-.007	.099	.186	.067	.158	-.058	.081	.065
104	zRT Fear Distractor Hits	.203*	.193	.111	.089	.085	.054	.095	.204*	.068	.181	-.033	.041	.028
105	zRT Fear Target Hits	.156	.139	.048	.057	.044	-.063	.074	.173	.036	.147	-.107	.102	.086
106	zRT Happy Distractor Hits	.144	.126	.022	.049	.034	-.041	.065	.166	.027	.146	-.086	.028	.005
107	zRT Happy Target Hits	.193	.184	.090	.116	.115	.043	.121	.201*	.097	.173	-.022	.059	.043
108	zRT Hits Calm	.145	.130	.035	.067	.060	-.010	.087	.163	.051	.142	-.079	.036	.024
109	ZRT Hits CalmFear	.177	.170	.094	.060	.067	.050	.081	.175	.059	.162	-.068	.010	.010
110	ZRT Hits CalmHappy	.069	.048	-.054	-.018	-.037	-.097	.012	.119	-.034	.103	-.124	-.020	-.042
111	zRT Hits Fear	.176	.162	.075	.079	.072	-.004	.088	.186	.056	.160	-.076	.081	.067
112	ZRT Hits FearCalm	.117	.099	.011	.014	.000	-.115	.036	.158	-.006	.130	-.148	.102	.089
113	ZRT Hits FearHappy	.188	.173	.079	.075	.061	-.042	.075	.192	.045	.170	-.097	.101	.081
114	zRT Hits Happy	.157	.140	.043	.075	.064	-.022	.088	.173	.052	.148	-.069	.057	.041

		157	158	159	160	161	162	163	164	165	166	167	168	169
115	ZRT Hits HappyCalm	.191	.185	.089	.121	.122	.032	.141	.194	.112	.174	-.028	.047	.042
116	ZRT Hits HappyFear	.201	.190	.111	.099	.091	.048	.101	.209*	.075	.178	.003	.058	.039
117	zRT Hits	.162	.146	.052	.077	.069	-.008	.089	.176	.055	.152	-.073	.055	.040
118	zRT Nonemotional Distractor Hits	.153	.139	.048	.080	.074	-.017	.101	.170	.067	.145	-.061	.067	.055
119	zRT Nonemotional Target Hits	.141	.130	.041	.045	.038	.020	.068	.168	.032	.153	-.077	.000	-.017
120	Zero Complement Presented Framing Index	.142	.139	.151	.296**	.303**	.309**	.664**	-.006	.618**	-.021	.125	.035	.056
121	Zero Complement Presented Gain Lives Risky Choices	.355**	.357**	.452**	.104	.078	-.028	.063	.392**	.016	.400**	.183	.483**	.484**
122	Zero Complement Presented Gain Lives Signed Confidence	.368**	.384**	.515**	.085	.058	-.030	.062	.420**	.006	.437**	.188	.520**	.557**
123	Zero Complement Presented Gain Risky Choices	.501**	.521**	.535**	.021	.000	-.031	-.152	.682**	-.214*	.686**	.094	.466**	.458**
124	Zero Complement Presented Gain Money Risky Choices	.494**	.526**	.455**	-.067	-.076	-.025	-.316**	.761**	-.374**	.761**	-.021	.309**	.295**
125	Zero Complement Presented Gain Money Signed Confidence	.483**	.528**	.458**	-.091	-.103	-.041	-.326**	.752**	-.402**	.775**	-.015	.284**	.288**
126	Zero Complement Presented Gain Signed Confidence	.497**	.534**	.563**	-.009	-.031	-.041	-.165	.690**	-.242*	.714**	.094	.460**	.483**
127	Zero Complement Presented Lives Framing Index	.142	.139	.151	.296**	.303**	.309**	.664**	-.006	.618**	-.021	.125	.035	.056
128	Zero Complement Presented Lives Signed Confidence Framing Index	.124	.127	.152	.304**	.332**	.330**	.658**	-.031	.658**	-.050	.139	.030	.039
129	Zero Complement Presented Loss Lives Risky Choices	.484**	.492**	.623**	.150	.161	.208*	.320**	.505**	.250*	.479**	.224*	.590**	.579**
130	Zero Complement Presented Loss Lives Signed Confidence	.447**	.493**	.668**	.118	.161	.245*	.294**	.503**	.248*	.497**	.223*	.596**	.604**
131	Zero Complement Presented Loss Risky Choices	.650**	.671**	.716**	.231*	.236*	.297**	.416**	.719**	.314**	.694**	.198*	.545**	.544**
132	Zero Complement Presented Loss Money Risky Choices	.669**	.700**	.638**	.262**	.260**	.321**	.417**	.777**	.306**	.759**	.118	.356**	.366**
133	Zero Complement Presented Loss Money Signed Confidence	.650**	.701**	.654**	.252*	.272**	.334**	.410**	.753**	.331**	.756**	.144	.332**	.347**
134	Zero Complement Presented Loss Signed Confidence	.619**	.673**	.744**	.209*	.244*	.326**	.396**	.708**	.326**	.706**	.206*	.522**	.534**

	157	158	159	160	161	162	163	164	165	166	167	168	169
135 Zero Complement Presented Money Framing Index	.142	.139	.151	.296**	.303**	.309**	.664**	-.006	.618**	-.021	.125	.035	.056
136 Zero Complement Presented Money Signed Confidence Framing Index	.124	.127	.152	.304**	.332**	.330**	.658**	-.031	.658**	-.050	.139	.030	.039
137 Zero Complement Presented Signed Confidence Framing Index	.124	.127	.152	.304**	.332**	.330**	.658**	-.031	.658**	-.050	.139	.030	.039
138 Framing Index	.452**	.447**	.520**	.625**	.624**	.815**	.821**	.166	.770**	.133	.753**	-.095	-.121
139 Gain Lives Risky Choices	.351**	.391**	.559**	-.001	.005	-.148	.036	.459**	-.009	.455**	.018	.844**	.824**
140 Gain Lives Signed Confidence	.345**	.393**	.575**	-.020	-.015	-.161	.028	.457**	-.024	.467**	.000	.825**	.858**
141 Gain Risky Choices	.555**	.596**	.639**	-.123	-.132	-.172	-.180	.807**	-.268**	.807**	-.097	.735**	.721**
142 Gain Money Risky Choices	.582**	.610**	.517**	-.205*	-.226*	-.142	-.339**	.898**	-.440**	.902**	-.181	.395**	.390**
143 Gain Money Signed Confidence	.552**	.595**	.504**	-.219*	-.243*	-.157	-.344**	.865**	-.494**	.909**	-.177	.366**	.379**
144 Gain Signed Confidence	.544**	.597**	.636**	-.153	-.166	-.188	-.208*	.806**	-.333**	.840**	-.114	.681**	.708**
145 Both Complements Presented Framing Index	.540**	.510**	.483**	.816**	.779**	.921**	.697**	.185	.649**	.148	.530**	-.086	-.115
146 Both Complements Presented Gain Lives Risky Choices	.252*	.300**	.505**	-.083	-.062	-.251*	-.016	.340**	-.043	.342**	.063	.646**	.632**
147 Both Complements Presented Gain Lives Signed Confidence	.268**	.322**	.530**	-.077	-.059	-.258**	-.009	.352**	-.039	.364**	.049	.645**	.664**
148 Both Complements Presented Gain Risky Choices	.476**	.511**	.610**	-.256*	-.261**	-.303**	-.164	.674**	-.244*	.676**	-.012	.621**	.615**
149 Both Complements Presented Gain Money Risky Choices	.553**	.560**	.507**	-.356**	-.388**	-.252*	-.267**	.798**	-.376**	.798**	-.089	.374**	.379**
150 Both Complements Presented Gain Money Signed Confidence	.550**	.573**	.522**	-.343**	-.390**	-.253*	-.254*	.804**	-.380**	.819**	-.075	.393**	.398**
151 Both Complements Presented Gain Signed Confidence	.486**	.532**	.627**	-.248*	-.265**	-.304**	-.156	.688**	-.249*	.704**	-.015	.618**	.632**
152 Both Complements Presented Lives Framing Index	.286**	.282**	.390**	.306**	.288**	.723**	.368**	.170	.328**	.155	.455**	-.096	-.112
153 Both Complements Presented Lives Signed Confidence Framing Index	.271**	.287**	.473**	.265**	.275**	.799**	.385**	.188	.375**	.181	.500**	-.114	-.134
154 Both Complements Presented Loss Lives Risky Choices	.488**	.532**	.822**	.184	.188	.393**	.306**	.472**	.245*	.461**	.458**	.531**	.504**
155 Both Complements Presented Loss Lives Signed Confidence	.470**	.532**	.881**	.151	.176	.441**	.318**	.478**	.282**	.484**	.467**	.489**	.489**

		157	158	159	160	161	162	163	164	165	166	167	168	169
156	Both Complements Presented Loss Risky Choices	.863**	.869**	.946**	.444**	.409**	.523**	.434**	.736**	.328**	.708**	.435**	.458**	.431**
157	Both Complements Presented Loss Money Risky Choices	1	.967**	.816**	.583**	.518**	.496**	.468**	.836**	.332**	.793**	.298**	.299**	.272**
158	Both Complements Presented Loss Money Signed Confidence	.967**	1	.870**	.538**	.531**	.514**	.447**	.856**	.334**	.843**	.313**	.347**	.324**
159	Both Complements Presented Loss Signed Confidence	.816**	.870**	1	.390**	.400**	.548**	.428**	.747**	.348**	.745**	.446**	.465**	.455**
160	Both Complements Presented Money Framing Index	.583**	.538**	.390**	1	.959**	.772**	.808**	.161	.751**	.110	.421**	-.008	-.048
161	Both Complements Presented Money Signed Confidence Framing Index	.518**	.531**	.400**	.959**	1	.804**	.792**	.131	.783**	.097	.429**	.008	-.028
162	Both Complements Presented Signed Confidence Framing Index	.496**	.514**	.548**	.772**	.804**	1	.716**	.185	.713**	.162	.574**	-.084	-.114
163	Money Framing Index	.468**	.447**	.428**	.808**	.792**	.716**	1	.109	.944**	.058	.603**	.052	.026
164	Money Risky Choices	.836**	.856**	.747**	.161	.131	.185	.109	1	-.024	.980**	.090	.442**	.424**
165	Money Signed Confidence Framing Index	.332**	.334**	.348**	.751**	.783**	.713**	.944**	-.024	1	-.087	.582**	.008	-.028
166	Money Signed Confidence	.793**	.843**	.745**	.110	.097	.162	.058	.980**	-.087	1	.076	.424**	.421**
167	Nonzero Complement Presented Framing Index	.298**	.313**	.446**	.421**	.429**	.574**	.603**	.090	.582**	.076	1	-.182	-.217*
168	Nonzero Complement Presented Gain Lives Risky Choices	.299**	.347**	.465**	-.008	.008	-.084	.052	.442**	.008	.424**	-.182	1	.967**
169	Nonzero Complement Presented Gain Lives Signed Confidence	.272**	.324**	.455**	-.048	-.028	-.114	.026	.424**	-.028	.421**	-.217*	.967**	1
170	Nonzero Complement Presented Gain Risky Choices	.478**	.527**	.525**	-.076	-.075	-.106	-.155	.753**	-.241*	.747**	-.322**	.823**	.799**
171	Nonzero Complement Presented Gain Money Risky Choices	.488**	.522**	.399**	-.116	-.131	-.091	-.307**	.797**	-.404**	.806**	-.349**	.353**	.347**
172	Nonzero Complement Presented Gain Money Signed Confidence	.448**	.491**	.378**	-.160	-.170	-.123	-.322**	.739**	-.497**	.804**	-.309**	.299**	.320**
173	Nonzero Complement Presented Gain Signed Confidence	.459**	.516**	.500**	-.140	-.137	-.146	-.220*	.746**	-.373**	.791**	-.332**	.696**	.728**
174	Nonzero Complement Presented Lives Framing Index	.177	.200	.326**	.200	.214*	.420**	.253*	.055	.248*	.074	.849**	-.366**	-.384**

	157	158	159	160	161	162	163	164	165	166	167	168	169
175 Nonzero Complement Presented Lives Signed Confidence Framing Index	.176	.205*	.329**	.236*	.262**	.466**	.283**	.033	.308**	.047	.828**	-.363**	-.413**
176 Nonzero Complement Presented Loss Lives Risky Choices	.422**	.482**	.699**	.180	.205*	.342**	.287**	.434**	.237*	.442**	.672**	.442**	.397**
177 Nonzero Complement Presented Loss Lives Signed Confidence	.420**	.493**	.726**	.184	.226*	.367**	.302**	.423**	.271**	.441**	.631**	.456**	.436**
178 Nonzero Complement Presented Loss Risky Choices	.666**	.718**	.828**	.310**	.317**	.431**	.413**	.711**	.317**	.696**	.633**	.478**	.425**
179 Nonzero Complement Presented Loss Money Risky Choices	.771**	.802**	.763**	.387**	.371**	.419**	.452**	.837**	.333**	.798**	.425**	.423**	.376**
180 Nonzero Complement Presented Loss Money Signed Confidence	.783**	.831**	.795**	.388**	.383**	.451**	.435**	.844**	.332**	.830**	.425**	.395**	.359**
181 Nonzero Complement Presented Loss Signed Confidence	.680**	.748**	.861**	.318**	.339**	.464**	.416**	.719**	.336**	.722**	.601**	.466**	.434**
182 Nonzero Complement Presented Money Framing Index	.327**	.327**	.409**	.521**	.520**	.529**	.774**	.097	.744**	.048	.786**	.097	.055
183 Nonzero Complement Presented Money Signed Confidence Framing Index	.155	.148	.242*	.488**	.496**	.500**	.701**	-.105	.805**	-.187	.679**	.001	-.051
184 Nonzero Complement Presented Signed Confidence Framing Index	.193	.204*	.339**	.452**	.471**	.585**	.617**	-.060	.702**	-.106	.905**	-.187	-.248*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		170	171	172	173	174	175	176	177	178	179	180	181	182
1	Criterion	.201*	.223*	.233*	.199*	-.101	-.069	-.001	-.005	.020	.032	.050	.029	-.185
2	Criterion Calm Distractor	.186	.121	.123	.163	-.138	-.140	.010	-.014	.056	.103	.093	.038	-.011
3	Criterion CalmFear	.202*	.165	.167	.184	-.107	-.097	.069	.055	.100	.088	.099	.101	-.072
4	Criterion CalmHappy	.105	.141	.137	.092	-.085	-.059	-.041	-.053	-.053	-.065	-.043	-.048	-.206*
5	Criterion Calm Target	.183	.191	.199*	.168	-.122	-.099	-.002	-.025	.019	.020	.037	.018	-.166
6	Criterion Emotional Distractor	.199*	.221*	.228*	.195	-.171	-.143	-.058	-.066	-.033	-.007	.001	-.030	-.224*
7	Criterion Emotional Target	.201*	.175	.167	.184	-.217*	-.198	-.092	-.093	-.043	.036	.023	-.049	-.134
8	Criterion FearCalm	.121	.097	.100	.107	-.051	-.037	.024	.011	.059	.092	.105	.060	.002
9	Criterion Fear Distractor	.250*	.251*	.263**	.247*	-.148	-.156	.017	-.020	.056	.070	.055	.031	-.173
10	Criterion FearHappy	.117	.123	.118	.115	-.121	-.068	-.071	-.029	-.099	-.094	-.069	-.063	-.227*
11	Criterion Fear Target	.130	.089	.089	.114	-.155	-.123	-.065	-.053	-.055	-.013	.004	-.039	-.101
12	Criterion HappyCalm	.186	.156	.155	.172	-.114	-.113	.017	.002	.055	.085	.070	.040	-.065
13	Criterion Happy Distractor	.123	.174	.162	.113	-.119	-.068	-.081	-.063	-.085	-.072	-.047	-.059	-.246*
14	Criterion HappyFear	.161	.219*	.206*	.161	-.204*	-.197	-.152	-.164	-.049	.082	.019	-.084	-.129
15	Criterion Happy Target	.179	.180	.173	.164	-.115	-.126	-.015	-.051	.039	.092	.044	-.005	-.081
16	Criterion NonEmotional Distractor	.186	.121	.123	.163	-.138	-.140	.010	-.014	.056	.103	.093	.038	-.011
17	Criterion NonEmotional Target	.183	.191	.199*	.168	-.122	-.099	-.002	-.025	.019	.020	.037	.018	-.166
18	DPrime	.080	.125	.088	.049	-.110	-.088	-.103	-.115	-.060	.007	-.023	-.081	-.115
19	DPrime Calm Distractor	.109	.127	.160	.132	.013	-.026	.069	.022	.044	-.007	.016	.028	-.133
20	DPrime CalmFear	-.075	.050	-.033	-.115	.013	.026	-.124	-.131	-.090	-.030	-.034	-.094	-.083
21	DPrime CalmHappy	.005	-.067	-.079	-.044	-.150	-.101	-.093	-.087	-.106	-.084	-.133	-.130	-.022
22	DPrime Calm Target	.002	.004	-.059	-.060	-.152	-.099	-.154	-.137	-.121	-.043	-.086	-.132	-.049
23	DPrime Emotional Distractor	.069	.095	.041	.025	-.181	-.142	-.167	-.155	-.097	.019	-.025	-.109	-.074
24	DPrime Emotional Target	.157	.246*	.279**	.201*	-.018	-.069	.013	-.044	.015	-.002	.016	-.008	-.243*
25	DPrime FearCalm	.069	.109	.146	.105	.036	-.009	.054	.007	.017	-.042	-.002	.010	-.157
26	DPrime Fear Distractor	.036	.158	.106	.016	-.049	-.033	-.126	-.138	-.058	.035	.009	-.075	-.118
27	DPrime FearHappy	.079	.134	.124	.085	-.115	-.136	-.109	-.134	-.108	-.079	-.056	-.109	-.222*
28	DPrime Fear Target	.120	.192	.201*	.145	-.026	-.079	-.009	-.063	-.040	-.074	-.034	-.050	-.266**

		170	171	172	173	174	175	176	177	178	179	180	181	182
29	DPrime HappyCalm	.103	.106	.132	.117	-.029	-.035	.035	.015	.048	.044	.041	.035	-.058
30	DPrime Happy Distractor	.057	.036	.025	.031	-.182	-.149	-.143	-.141	-.125	-.058	-.088	-.140	-.096
31	DPrime HappyFear	.142	.172	.213*	.168	-.069	-.054	-.002	-.013	.081	.145	.112	.061	-.017
32	DPrime Happy Target	.150	.188	.244*	.199*	.021	-.012	.082	.044	.110	.105	.094	.084	-.075
33	DPrime NonEmotional Distractor	.109	.127	.160	.132	.013	-.026	.069	.022	.044	-.007	.016	.028	-.133
34	DPrime NonEmotional Target	.002	.004	-.059	-.060	-.152	-.099	-.154	-.137	-.121	-.043	-.086	-.132	-.049
35	zCorrectRejectionRate Calm Distractor	.193	.158	.178	.190	-.089	-.113	.046	.002	.064	.068	.074	.043	-.084
36	zCorrectRejectionRate CalmFear	.118	.164	.116	.079	-.078	-.063	-.020	-.037	.027	.053	.059	.025	-.109
37	zCorrectRejectionRate CalmHappy	.074	.047	.036	.030	-.163	-.111	-.093	-.097	-.111	-.103	-.124	-.125	-.154
38	zCorrectRejectionRate Calm Target	.141	.149	.112	.087	-.195	-.142	-.106	-.112	-.068	-.014	-.030	-.076	-.160
39	zCorrectRejectionRate Emotional Distractor	.192	.225*	.196	.160	-.242*	-.196	-.150	-.148	-.086	.007	-.015	-.093	-.214*
40	zCorrectRejectionRate Emotional Target	.227*	.254*	.265**	.238*	-.167	-.179	-.060	-.090	-.024	.025	.025	-.039	-.223*
41	zCorrectRejectionRate FearCalm	.124	.129	.152	.134	-.016	-.031	.047	.012	.051	.041	.072	.047	-.086
42	zCorrectRejectionRate Fear Distractor	.211*	.277**	.258*	.198	-.139	-.137	-.055	-.090	.012	.072	.048	-.017	-.196
43	zCorrectRejectionRate FearHappy	.117	.151	.143	.119	-.140	-.119	-.106	-.095	-.123	-.102	-.074	-.101	-.266**
44	zCorrectRejectionRate Fear Target	.162	.171	.176	.165	-.129	-.135	-.053	-.073	-.063	-.050	-.016	-.057	-.220*
45	zCorrectRejectionRate HappyCalm	.160	.144	.158	.160	-.080	-.083	.028	.010	.057	.071	.061	.041	-.067
46	zCorrectRejectionRate Happy Distractor	.125	.147	.131	.100	-.204*	-.147	-.152	-.138	-.144	-.090	-.091	-.135	-.238*
47	zCorrectRejectionRate HappyFear	.172	.222*	.238*	.187	-.157	-.145	-.090	-.103	.016	.128	.073	-.015	-.085
48	zCorrectRejectionRate Happy Target	.189	.210*	.236*	.206*	-.059	-.083	.035	-.007	.083	.112	.077	.042	-.089
49	zCorrectRejectionRate NonEmotional Distractor	.193	.158	.178	.190	-.089	-.113	.046	.002	.064	.068	.074	.043	-.084
50	zCorrectRejectionRate NonEmotional Target	.141	.149	.112	.087	-.195	-.142	-.106	-.112	-.068	-.014	-.030	-.076	-.160
51	zFalseAlarmRate Calm Distractor	-.193	-.158	-.178	-.190	.089	.113	-.046	-.002	-.064	-.068	-.074	-.043	.084
52	zFalseAlarmRate CalmFear	-.098	-.146	-.106	-.070	.102	.096	.054	.072	.010	-.021	-.032	.010	.125
53	zFalseAlarmRate CalmHappy	-.092	-.064	-.055	-.050	.160	.107	.081	.084	.097	.090	.111	.110	.157
54	zFalseAlarmRate Calm Target	-.141	-.149	-.112	-.087	.195	.142	.106	.112	.068	.014	.030	.076	.160
55	zFalseAlarmRate Emotional Distractor	-.192	-.225*	-.196	-.160	.242*	.196	.150	.148	.086	-.007	.015	.093	.214*
56	zFalseAlarmRate Emotional Target	-.227*	-.254*	-.265**	-.238*	.167	.179	.060	.090	.024	-.025	-.025	.039	.223*

		170	171	172	173	174	175	176	177	178	179	180	181	182
57	zFalseAlarmRate FearCalm	-.102	-.107	-.108	-.094	.032	.049	-.019	.020	-.027	-.028	-.059	-.021	.078
58	zFalseAlarmRate Fear Distractor	-.211*	-.277**	-.258*	-.198	.139	.137	.055	.090	-.012	-.072	-.048	.017	.196
59	zFalseAlarmRate FearHappy	-.124	-.156	-.162	-.134	.155	.131	.100	.087	.098	.073	.046	.074	.238*
60	zFalseAlarmRate Fear Target	-.162	-.171	-.176	-.165	.129	.135	.053	.073	.063	.050	.016	.057	.220*
61	zFalseAlarmRate HappyCalm	-.153	-.142	-.170	-.165	.093	.094	-.009	.007	-.034	-.052	-.047	-.024	.085
62	zFalseAlarmRate Happy Distractor	-.125	-.147	-.131	-.100	.204*	.147	.152	.138	.144	.090	.091	.135	.238*
63	zFalseAlarmRate HappyFear	-.190	-.221*	-.248*	-.207*	.196	.178	.102	.111	.004	-.104	-.053	.031	.108
64	zFalseAlarmRate Happy Target	-.189	-.210*	-.236*	-.206*	.059	.083	-.035	.007	-.083	-.112	-.077	-.042	.089
65	zFalseAlarmRate NonEmotional Distractor	-.193	-.158	-.178	-.190	.089	.113	-.046	-.002	-.064	-.068	-.074	-.043	.084
66	zFalseAlarmRate NonEmotional Target	-.141	-.149	-.112	-.087	.195	.142	.106	.112	.068	.014	.030	.076	.160
67	zHitRate Calm Distractor	-.085	-.015	.006	-.048	.131	.105	.041	.028	-.018	-.095	-.070	-.013	-.085
68	zHitRate CalmFear	-.208*	-.102	-.152	-.215*	.096	.096	-.130	-.123	-.133	-.087	-.098	-.136	.008
69	zHitRate CalmHappy	-.072	-.156	-.163	-.101	-.054	-.035	-.042	-.028	-.043	-.018	-.072	-.066	.134
70	zHitRate Calm Target	-.133	-.137	-.184	-.162	-.011	.007	-.100	-.071	-.093	-.043	-.083	-.099	.090
71	zHitRate Emotional Distractor	-.108	-.107	-.149	-.134	.011	.016	-.067	-.052	-.039	.018	-.017	-.049	.124
72	zHitRate Emotional Target	-.085	-.002	.028	-.040	.196	.143	.097	.059	.051	-.035	-.011	.041	-.035
73	zHitRate FearCalm	-.068	-.017	.009	-.028	.086	.044	.025	.005	-.032	-.106	-.088	-.036	-.101
74	zHitRate Fear Distractor	-.200*	-.125	-.167	-.209*	.100	.117	-.094	-.068	-.086	-.040	-.043	-.073	.081
75	zHitRate FearHappy	-.040	.004	.000	-.033	.010	-.059	-.032	-.094	-.003	.018	.015	-.038	.016
76	zHitRate Fear Target	-.038	.045	.050	-.008	.121	.058	.052	.006	.023	-.036	-.026	.002	-.082
77	zHitRate HappyCalm	-.107	-.067	-.034	-.074	.106	.097	.020	.015	-.012	-.052	-.038	-.008	.012
78	zHitRate Happy Distractor	-.052	-.105	-.104	-.063	-.039	-.055	-.040	-.052	-.025	.013	-.027	-.054	.116
79	zHitRate HappyFear	-.029	-.060	-.004	-.001	.155	.161	.164	.165	.135	.061	.096	.153	.125
80	zHitRate Happy Target	-.049	-.014	.048	.014	.145	.125	.094	.097	.064	.002	.043	.086	.016
81	zHitRate NonEmotional Distractor	-.085	-.015	.006	-.048	.131	.105	.041	.028	-.018	-.095	-.070	-.013	-.085
82	zHitRate NonEmotional Target	-.133	-.137	-.184	-.162	-.011	.007	-.100	-.071	-.093	-.043	-.083	-.099	.090
83	zMissRate Calm Distractor	.085	.015	-.006	.048	-.131	-.105	-.041	-.028	.018	.095	.070	.013	.085
84	zMissRate CalmFear	.208*	.102	.152	.215*	-.096	-.096	.130	.123	.133	.087	.098	.136	-.008
85	zMissRate CalmHappy	.072	.156	.163	.101	.054	.035	.042	.028	.043	.018	.072	.066	-.134

		170	171	172	173	174	175	176	177	178	179	180	181	182
86	zMissRate Calm Target	.133	.137	.184	.162	.011	-.007	.100	.071	.093	.043	.083	.099	-.090
87	zMissRate Emotional Distractor	.108	.107	.149	.134	-.011	-.016	.067	.052	.039	-.018	.017	.049	-.124
88	zMissRate Emotional Target	.085	.002	-.028	.040	-.196	-.143	-.097	-.059	-.051	.035	.011	-.041	.035
89	zMissRate FearCalm	.068	.017	-.009	.028	-.086	-.044	-.025	-.005	.032	.106	.088	.036	.101
90	zMissRate Fear Distractor	.200*	.125	.167	.209*	-.100	-.117	.094	.068	.086	.040	.043	.073	-.081
91	zMissRate FearHappy	.040	-.004	.000	.033	-.010	.059	.032	.094	.003	-.018	-.015	.038	-.016
92	zMissRate Fear Target	.038	-.045	-.050	.008	-.121	-.058	-.052	-.006	-.023	.036	.026	-.002	.082
93	zMissRate HappyCalm	.107	.067	.034	.074	-.106	-.097	-.020	-.015	.012	.052	.038	.008	-.012
94	zMissRate Happy Distractor	.052	.105	.104	.063	.039	.055	.040	.052	.025	-.013	.027	.054	-.116
95	zMissRate HappyFear	.029	.060	.004	.001	-.155	-.161	-.164	-.165	-.135	-.061	-.096	-.153	-.125
96	zMissRate Happy Target	.049	.014	-.048	-.014	-.145	-.125	-.094	-.097	-.064	-.002	-.043	-.086	-.016
97	zMissRate NonEmotional Distractor	.085	.015	-.006	.048	-.131	-.105	-.041	-.028	.018	.095	.070	.013	.085
98	zMissRate NonEmotional Target	.133	.137	.184	.162	.011	-.007	.100	.071	.093	.043	.083	.099	-.090
99	zRT AllRuns Hits	.122	.146	.115	.103	-.100	-.108	-.048	-.069	.037	.124	.100	.017	-.013
100	zRT Calm Distractor Hits	.118	.128	.101	.101	-.108	-.115	-.049	-.066	.041	.134	.107	.021	.016
101	zRT Calm Target Hits	.102	.167	.144	.096	-.063	-.082	-.050	-.082	.025	.099	.084	.004	-.061
102	zRT Emotional Distractor Hits	.121	.160	.127	.102	-.076	-.084	-.036	-.057	.046	.126	.107	.028	-.025
103	zRT Emotional Target Hits	.132	.137	.100	.105	-.108	-.110	-.039	-.053	.054	.148	.120	.035	.021
104	zRT Fear Distractor Hits	.122	.160	.127	.106	-.042	-.049	-.004	-.020	.072	.139	.122	.057	-.011
105	zRT Fear Target Hits	.147	.139	.104	.118	-.153	-.151	-.066	-.077	.023	.123	.095	.006	-.007
106	zRT Happy Distractor Hits	.108	.149	.119	.088	-.101	-.108	-.065	-.089	.020	.108	.087	.000	-.034
107	zRT Happy Target Hits	.122	.143	.100	.094	-.072	-.073	-.020	-.031	.081	.176	.149	.066	.042
108	zRT Hits Calm	.109	.143	.119	.098	-.097	-.111	-.059	-.083	.024	.109	.086	.002	-.026
109	ZRT Hits CalmFear	.095	.146	.133	.101	-.061	-.072	-.040	-.050	.027	.091	.084	.021	-.049
110	ZRT Hits CalmHappy	.085	.162	.141	.080	-.083	-.119	-.080	-.132	-.022	.039	.015	-.061	-.117
111	zRT Hits Fear	.139	.148	.113	.115	-.111	-.114	-.042	-.056	.044	.132	.107	.027	-.007
112	ZRT Hits FearCalm	.157	.155	.120	.131	-.170	-.184	-.082	-.105	-.001	.097	.065	-.028	-.054
113	ZRT Hits FearHappy	.149	.145	.106	.117	-.148	-.136	-.057	-.058	.038	.139	.117	.031	.003
114	zRT Hits Happy	.121	.142	.108	.098	-.101	-.109	-.049	-.070	.038	.128	.101	.016	-.005

		170	171	172	173	174	175	176	177	178	179	180	181	182
115	ZRT Hits HappyCalm	.112	.138	.112	.102	-.076	-.085	-.029	-.039	.072	.164	.142	.059	.036
116	ZRT Hits HappyFear	.129	.154	.105	.095	-.022	-.029	.024	.003	.103	.173	.146	.081	.028
117	zRT Hits	.122	.146	.115	.103	-.100	-.108	-.048	-.069	.037	.124	.100	.017	-.013
118	zRT Nonemotional Distractor Hits	.118	.128	.101	.101	-.108	-.115	-.049	-.066	.041	.134	.107	.021	.016
119	zRT Nonemotional Target Hits	.102	.167	.144	.096	-.063	-.082	-.050	-.082	.025	.099	.084	.004	-.061
120	Zero Complement Presented Framing Index	-.053	-.123	-.123	-.061	.013	.017	.046	.071	.074	.083	.073	.084	.207*
121	Zero Complement Presented Gain Lives Risky Choices	.399**	.173	.194	.381**	.068	.048	.451**	.459**	.482**	.399**	.416**	.491**	.249*
122	Zero Complement Presented Gain Lives Signed Confidence	.434**	.193	.213*	.431**	.082	.052	.491**	.522**	.511**	.412**	.444**	.541**	.243*
123	Zero Complement Presented Gain Risky Choices	.582**	.491**	.481**	.575**	.060	.036	.439**	.435**	.561**	.553**	.576**	.572**	.100
124	Zero Complement Presented Gain Money Risky Choices	.586**	.656**	.617**	.593**	.034	.013	.297**	.283**	.470**	.539**	.561**	.480**	-.077
125	Zero Complement Presented Gain Money Signed Confidence	.569**	.653**	.632**	.600**	.052	.017	.297**	.284**	.463**	.524**	.561**	.481**	-.089
126	Zero Complement Presented Gain Signed Confidence	.586**	.505**	.503**	.603**	.076	.039	.450**	.459**	.564**	.547**	.586**	.591**	.080
127	Zero Complement Presented Lives Framing Index	-.053	-.123	-.123	-.061	.013	.017	.046	.071	.074	.083	.073	.084	.207*
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.072	-.148	-.156	-.093	.027	.052	.054	.089	.070	.068	.060	.087	.216*
129	Zero Complement Presented Loss Lives Risky Choices	.525**	.273**	.261**	.476**	.120	.072	.581**	.556**	.612**	.501**	.476**	.578**	.258**
130	Zero Complement Presented Loss Lives Signed Confidence	.539**	.290**	.281**	.503**	.126	.104	.592**	.609**	.623**	.510**	.499**	.621**	.251*
131	Zero Complement Presented Loss Risky Choices	.606**	.452**	.423**	.576**	.098	.060	.538**	.531**	.671**	.647**	.638**	.662**	.237*
132	Zero Complement Presented Loss Money Risky Choices	.543**	.538**	.497**	.542**	.050	.032	.359**	.373**	.566**	.647**	.658**	.587**	.152
133	Zero Complement Presented Loss Money Signed Confidence	.515**	.515**	.485**	.523**	.086	.078	.376**	.402**	.566**	.628**	.657**	.604**	.154
134	Zero Complement Presented Loss Signed Confidence	.593**	.454**	.431**	.577**	.119	.102	.541**	.565**	.669**	.640**	.651**	.689**	.228*

		170	171	172	173	174	175	176	177	178	179	180	181	182
135	Zero Complement Presented Money Framing Index	-.053	-.123	-.123	-.061	.013	.017	.046	.071	.074	.083	.073	.084	.207*
136	Zero Complement Presented Money Signed Confidence Framing Index	-.072	-.148	-.156	-.093	.027	.052	.054	.089	.070	.068	.060	.087	.216*
137	Zero Complement Presented Signed Confidence Framing Index	-.072	-.148	-.156	-.093	.027	.052	.054	.089	.070	.068	.060	.087	.216*
138	Framing Index	-.170	-.185	-.185	-.194	.602**	.589**	.516**	.491**	.547**	.435**	.429**	.526**	.637**
139	Gain Lives Risky Choices	.686**	.285**	.270**	.605**	-.133	-.148	.541**	.548**	.554**	.444**	.431**	.545**	.186
140	Gain Lives Signed Confidence	.680**	.294**	.292**	.637**	-.129	-.161	.528**	.563**	.531**	.418**	.419**	.545**	.150
141	Gain Risky Choices	.872**	.699**	.661**	.836**	-.114	-.143	.484**	.479**	.620**	.616**	.616**	.618**	-.039
142	Gain Money Risky Choices	.782**	.891**	.842**	.803**	-.061	-.095	.282**	.266**	.490**	.592**	.607**	.497**	-.250*
143	Gain Money Signed Confidence	.753**	.872**	.910**	.846**	-.040	-.089	.286**	.270**	.475**	.557**	.585**	.489**	-.269**
144	Gain Signed Confidence	.853**	.723**	.746**	.891**	-.094	-.143	.464**	.473**	.593**	.585**	.604**	.610**	-.094
145	Both Complements Presented Framing Index	-.089	-.061	-.098	-.128	.395**	.406**	.315**	.304**	.404**	.400**	.412**	.405**	.479**
146	Both Complements Presented Gain Lives Risky Choices	.512**	.196	.194	.454**	-.027	-.049	.486**	.483**	.457**	.317**	.298**	.438**	.141
147	Both Complements Presented Gain Lives Signed Confidence	.526**	.221*	.224*	.492**	-.020	-.046	.490**	.512**	.453**	.308**	.301**	.454**	.107
148	Both Complements Presented Gain Risky Choices	.686**	.507**	.507**	.672**	-.033	-.067	.473**	.467**	.548**	.490**	.482**	.539**	.017
149	Both Complements Presented Gain Money Risky Choices	.631**	.665**	.667**	.671**	-.029	-.064	.297**	.288**	.452**	.503**	.510**	.457**	-.124
150	Both Complements Presented Gain Money Signed Confidence	.649**	.675**	.683**	.691**	-.021	-.058	.319**	.309**	.477**	.525**	.538**	.484**	-.110
151	Both Complements Presented Gain Signed Confidence	.700**	.533**	.540**	.704**	-.024	-.061	.478**	.486**	.554**	.496**	.500**	.559**	-.001
152	Both Complements Presented Lives Framing Index	-.050	.014	-.002	-.057	.426**	.410**	.343**	.319**	.376**	.310**	.317**	.365**	.311**
153	Both Complements Presented Lives Signed Confidence Framing Index	-.081	-.019	-.028	-.087	.446**	.476**	.350**	.369**	.394**	.334**	.366**	.422**	.369**
154	Both Complements Presented Loss Lives Risky Choices	.444**	.198*	.183	.383**	.347**	.313**	.762**	.740**	.764**	.573**	.561**	.736**	.406**
155	Both Complements Presented Loss Lives Signed Confidence	.409**	.184	.180	.373**	.359**	.360**	.740**	.775**	.744**	.562**	.583**	.769**	.409**

		170	171	172	173	174	175	176	177	178	179	180	181	182
156	Both Complements Presented Loss Risky Choices	.518**	.394**	.361**	.475**	.314**	.291**	.680**	.666**	.812**	.753**	.759**	.807**	.404**
157	Both Complements Presented Loss Money Risky Choices	.478**	.488**	.448**	.459**	.177	.176	.422**	.420**	.666**	.771**	.783**	.680**	.327**
158	Both Complements Presented Loss Money Signed Confidence	.527**	.522**	.491**	.516**	.200	.205*	.482**	.493**	.718**	.802**	.831**	.748**	.327**
159	Both Complements Presented Loss Signed Confidence	.525**	.399**	.378**	.500**	.326**	.329**	.699**	.726**	.828**	.763**	.795**	.861**	.409**
160	Both Complements Presented Money Framing Index	-.076	-.116	-.160	-.140	.200	.236*	.180	.184	.310**	.387**	.388**	.318**	.521**
161	Both Complements Presented Money Signed Confidence Framing Index	-.075	-.131	-.170	-.137	.214*	.262**	.205*	.226*	.317**	.371**	.383**	.339**	.520**
162	Both Complements Presented Signed Confidence Framing Index	-.106	-.091	-.123	-.146	.420**	.466**	.342**	.367**	.431**	.419**	.451**	.464**	.529**
163	Money Framing Index	-.155	-.307**	-.322**	-.220*	.253*	.283**	.287**	.302**	.413**	.452**	.435**	.416**	.774**
164	Money Risky Choices	.753**	.797**	.739**	.746**	.055	.033	.434**	.423**	.711**	.837**	.844**	.719**	.097
165	Money Signed Confidence Framing Index	-.241*	-.404**	-.497**	-.373**	.248*	.308**	.237*	.271**	.317**	.333**	.332**	.336**	.744**
166	Money Signed Confidence	.747**	.806**	.804**	.791**	.074	.047	.442**	.441**	.696**	.798**	.830**	.722**	.048
167	Nonzero Complement Presented Framing Index	-.322**	-.349**	-.309**	-.332**	.849**	.828**	.672**	.631**	.633**	.425**	.425**	.601**	.786**
168	Nonzero Complement Presented Gain Lives Risky Choices	.823**	.353**	.299**	.696**	-.366**	-.363**	.442**	.456**	.478**	.423**	.395**	.466**	.097
169	Nonzero Complement Presented Gain Lives Signed Confidence	.799**	.347**	.320**	.728**	-.384**	-.413**	.397**	.436**	.425**	.376**	.359**	.434**	.055
170	Nonzero Complement Presented Gain Risky Choices	1	.823**	.736**	.929**	-.313**	-.331**	.358**	.353**	.515**	.570**	.558**	.510**	-.207*
171	Nonzero Complement Presented Gain Money Risky Choices	.823**	1	.912**	.832**	-.155	-.188	.154	.133	.370**	.515**	.524**	.373**	-.439**
172	Nonzero Complement Presented Gain Money Signed Confidence	.736**	.912**	1	.882**	-.106	-.158	.170	.154	.346**	.442**	.468**	.359**	-.429**
173	Nonzero Complement Presented Gain Signed Confidence	.929**	.832**	.882**	1	-.263**	-.314**	.315**	.322**	.461**	.507**	.517**	.475**	-.283**
174	Nonzero Complement Presented Lives Framing Index	-.313**	-.155	-.106	-.263**	1	.944**	.673**	.608**	.509**	.182	.210*	.472**	.340**

	170	171	172	173	174	175	176	177	178	179	180	181	182
175 Nonzero Complement Presented Lives Signed Confidence Framing Index	-.331**	-.188	-.158	-.314**	.944**	1	.621**	.639**	.475**	.178	.215*	.494**	.369**
176 Nonzero Complement Presented Loss Lives Risky Choices	.358**	.154	.170	.315**	.673**	.621**	1	.949**	.895**	.533**	.539**	.854**	.407**
177 Nonzero Complement Presented Loss Lives Signed Confidence	.353**	.133	.154	.322**	.608**	.639**	.949**	1	.855**	.518**	.542**	.886**	.411**
178 Nonzero Complement Presented Loss Risky Choices	.515**	.370**	.346**	.461**	.509**	.475**	.895**	.855**	1	.856**	.849**	.969**	.535**
179 Nonzero Complement Presented Loss Money Risky Choices	.570**	.515**	.442**	.507**	.182	.178	.533**	.518**	.856**	1	.978**	.846**	.545**
180 Nonzero Complement Presented Loss Money Signed Confidence	.558**	.524**	.468**	.517**	.210*	.215*	.539**	.542**	.849**	.978**	1	.872**	.513**
181 Nonzero Complement Presented Loss Signed Confidence	.510**	.373**	.359**	.475**	.472**	.494**	.854**	.886**	.969**	.846**	.872**	1	.522**
182 Nonzero Complement Presented Money Framing Index	-.207*	-.439**	-.429**	-.283**	.340**	.369**	.407**	.411**	.535**	.545**	.513**	.522**	1
183 Nonzero Complement Presented Money Signed Confidence Framing Index	-.335**	-.552**	-.693**	-.526**	.283**	.343**	.259*	.279**	.321**	.323**	.314**	.327**	.879**
184 Nonzero Complement Presented Signed Confidence Framing Index	-.401**	-.473**	-.552**	-.522**	.715**	.786**	.518**	.542**	.466**	.304**	.318**	.478**	.781**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		183	184
1	Criterion	-.210*	-.181
2	Criterion Calm Distractor	-.057	-.110
3	Criterion CalmFear	-.103	-.135
4	Criterion CalmHappy	-.182	-.161
5	Criterion Calm Target	-.184	-.186
6	Criterion Emotional Distractor	-.245*	-.249*
7	Criterion Emotional Target	-.162	-.210*
8	Criterion FearCalm	-.022	-.031
9	Criterion Fear Distractor	-.238*	-.252*
10	Criterion FearHappy	-.187	-.158
11	Criterion Fear Target	-.093	-.120
12	Criterion HappyCalm	-.110	-.138
13	Criterion Happy Distractor	-.212*	-.183
14	Criterion HappyFear	-.207*	-.246*
15	Criterion Happy Target	-.150	-.170
16	Criterion NonEmotional Distractor	-.057	-.110
17	Criterion NonEmotional Target	-.184	-.186
18	DPrime	-.113	-.123
19	DPrime Calm Distractor	-.159	-.128
20	DPrime CalmFear	.008	.017
21	DPrime CalmHappy	-.023	-.064
22	DPrime Calm Target	-.006	-.053
23	DPrime Emotional Distractor	-.064	-.116
24	DPrime Emotional Target	-.288**	-.240*
25	DPrime FearCalm	-.163	-.118
26	DPrime Fear Distractor	-.107	-.091
27	DPrime FearHappy	-.183	-.200*
28	DPrime Fear Target	-.244*	-.212*

		183	184
29	DPrime HappyCalm	-.110	-.099
30	DPrime Happy Distractor	-.097	-.139
31	DPrime HappyFear	-.139	-.128
32	DPrime Happy Target	-.188	-.140
33	DPrime NonEmotional Distractor	-.159	-.128
34	DPrime NonEmotional Target	-.006	-.053
35	zCorrectRejectionRate Calm Distractor	-.131	-.151
36	zCorrectRejectionRate CalmFear	-.079	-.099
37	zCorrectRejectionRate CalmHappy	-.139	-.154
38	zCorrectRejectionRate Calm Target	-.144	-.178
39	zCorrectRejectionRate Emotional Distractor	-.223*	-.259*
40	zCorrectRejectionRate Emotional Target	-.266**	-.277**
41	zCorrectRejectionRate FearCalm	-.107	-.088
42	zCorrectRejectionRate Fear Distractor	-.240*	-.242*
43	zCorrectRejectionRate FearHappy	-.219*	-.211*
44	zCorrectRejectionRate Fear Target	-.202*	-.206*
45	zCorrectRejectionRate HappyCalm	-.121	-.131
46	zCorrectRejectionRate Happy Distractor	-.215*	-.222*
47	zCorrectRejectionRate HappyFear	-.197	-.215*
48	zCorrectRejectionRate Happy Target	-.192	-.178
49	zCorrectRejectionRate NonEmotional Distractor	-.131	-.151
50	zCorrectRejectionRate NonEmotional Target	-.144	-.178
51	zFalseAlarmRate Calm Distractor	.131	.151
52	zFalseAlarmRate CalmFear	.091	.126
53	zFalseAlarmRate CalmHappy	.149	.158
54	zFalseAlarmRate Calm Target	.144	.178
55	zFalseAlarmRate Emotional Distractor	.223*	.259*
56	zFalseAlarmRate Emotional Target	.266**	.277**

		183	184
57	zFalseAlarmRate FearCalm	.070	.073
58	zFalseAlarmRate Fear Distractor	.240*	.242*
59	zFalseAlarmRate FearHappy	.217*	.221*
60	zFalseAlarmRate Fear Target	.202*	.206*
61	zFalseAlarmRate HappyCalm	.145	.152
62	zFalseAlarmRate Happy Distractor	.215*	.222*
63	zFalseAlarmRate HappyFear	.225*	.251*
64	zFalseAlarmRate Happy Target	.192	.178
65	zFalseAlarmRate NonEmotional Distractor	.131	.151
66	zFalseAlarmRate NonEmotional Target	.144	.178
67	zHitRate Calm Distractor	-.064	.005
68	zHitRate CalmFear	.087	.119
69	zHitRate CalmHappy	.116	.068
70	zHitRate Calm Target	.131	.101
71	zHitRate Emotional Distractor	.147	.115
72	zHitRate Emotional Target	-.039	.039
73	zHitRate FearCalm	-.084	-.041
74	zHitRate Fear Distractor	.145	.167
75	zHitRate FearHappy	.013	-.031
76	zHitRate Fear Target	-.075	-.030
77	zHitRate HappyCalm	.007	.054
78	zHitRate Happy Distractor	.090	.039
79	zHitRate HappyFear	.083	.136
80	zHitRate Happy Target	-.017	.050
81	zHitRate NonEmotional Distractor	-.064	.005
82	zHitRate NonEmotional Target	.131	.101
83	zMissRate Calm Distractor	.064	-.005
84	zMissRate CalmFear	-.087	-.119
85	zMissRate CalmHappy	-.116	-.068

		183	184
86	zMissRate Calm Target	-.131	-.101
87	zMissRate Emotional Distractor	-.147	-.115
88	zMissRate Emotional Target	.039	-.039
89	zMissRate FearCalm	.084	.041
90	zMissRate Fear Distractor	-.145	-.167
91	zMissRate FearHappy	-.013	.031
92	zMissRate Fear Target	.075	.030
93	zMissRate HappyCalm	-.007	-.054
94	zMissRate Happy Distractor	-.090	-.039
95	zMissRate HappyFear	-.083	-.136
96	zMissRate Happy Target	.017	-.050
97	zMissRate NonEmotional Distractor	.064	-.005
98	zMissRate NonEmotional Target	-.131	-.101
99	zRT AllRuns Hits	-.041	-.089
100	zRT Calm Distractor Hits	-.021	-.077
101	zRT Calm Target Hits	-.088	-.108
102	zRT Emotional Distractor Hits	-.050	-.081
103	zRT Emotional Target Hits	-.010	-.067
104	zRT Fear Distractor Hits	-.039	-.053
105	zRT Fear Target Hits	-.036	-.108
106	zRT Happy Distractor Hits	-.058	-.101
107	zRT Happy Target Hits	.012	-.031
108	zRT Hits Calm	-.057	-.102
109	ZRT Hits CalmFear	-.077	-.093
110	ZRT Hits CalmHappy	-.139	-.166
111	zRT Hits Fear	-.034	-.085
112	ZRT Hits FearCalm	-.080	-.157
113	ZRT Hits FearHappy	-.021	-.089
114	zRT Hits Happy	-.033	-.084

		183	184
115	ZRT Hits HappyCalm	-.006	-.052
116	ZRT Hits HappyFear	.005	-.010
117	zRT Hits	-.041	-.089
118	zRT Nonemotional Distractor Hits	-.021	-.077
119	zRT Nonemotional Target Hits	-.088	-.108
120	Zero Complement Presented Framing Index	.191	.133
121	Zero Complement Presented Gain Lives Risky Choices	.131	.114
122	Zero Complement Presented Gain Lives Signed Confidence	.133	.119
123	Zero Complement Presented Gain Risky Choices	-.046	-.013
124	Zero Complement Presented Gain Money Risky Choices	-.205*	-.134
125	Zero Complement Presented Gain Money Signed Confidence	-.221*	-.142
126	Zero Complement Presented Gain Signed Confidence	-.061	-.021
127	Zero Complement Presented Lives Framing Index	.191	.133
128	Zero Complement Presented Lives Signed Confidence Framing Index	.216*	.169
129	Zero Complement Presented Loss Lives Risky Choices	.108	.116
130	Zero Complement Presented Loss Lives Signed Confidence	.106	.132
131	Zero Complement Presented Loss Risky Choices	.066	.076
132	Zero Complement Presented Loss Money Risky Choices	.003	.011
133	Zero Complement Presented Loss Money Signed Confidence	.016	.045
134	Zero Complement Presented Loss Signed Confidence	.068	.099

		183	184
135	Zero Complement Presented Money Framing Index	.191	.133
136	Zero Complement Presented Money Signed Confidence Framing Index	.216*	.169
137	Zero Complement Presented Signed Confidence Framing Index	.216*	.169
138	Framing Index	.549**	.681**
139	Gain Lives Risky Choices	.061	-.034
140	Gain Lives Signed Confidence	.029	-.061
141	Gain Risky Choices	-.208*	-.216*
142	Gain Money Risky Choices	-.410**	-.329**
143	Gain Money Signed Confidence	-.500**	-.386**
144	Gain Signed Confidence	-.308**	-.283**
145	Both Complements Presented Framing Index	.442**	.514**
146	Both Complements Presented Gain Lives Risky Choices	.035	.002
147	Both Complements Presented Gain Lives Signed Confidence	.005	-.015
148	Both Complements Presented Gain Risky Choices	-.151	-.138
149	Both Complements Presented Gain Money Risky Choices	-.300**	-.241*
150	Both Complements Presented Gain Money Signed Confidence	-.294**	-.233*
151	Both Complements Presented Gain Signed Confidence	-.172	-.147
152	Both Complements Presented Lives Framing Index	.261**	.395**
153	Both Complements Presented Lives Signed Confidence Framing Index	.329**	.474**
154	Both Complements Presented Loss Lives Risky Choices	.261**	.347**
155	Both Complements Presented Loss Lives Signed Confidence	.283**	.387**

		183	184
156	Both Complements Presented Loss Risky Choices	.231*	.311**
157	Both Complements Presented Loss Money Risky Choices	.155	.193
158	Both Complements Presented Loss Money Signed Confidence	.148	.204*
159	Both Complements Presented Loss Signed Confidence	.242*	.339**
160	Both Complements Presented Money Framing Index	.488**	.452**
161	Both Complements Presented Money Signed Confidence Framing Index	.496**	.471**
162	Both Complements Presented Signed Confidence Framing Index	.500**	.585**
163	Money Framing Index	.701**	.617**
164	Money Risky Choices	-.105	-.060
165	Money Signed Confidence Framing Index	.805**	.702**
166	Money Signed Confidence	-.187	-.106
167	Nonzero Complement Presented Framing Index	.679**	.905**
168	Nonzero Complement Presented Gain Lives Risky Choices	.001	-.187
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.051	-.248*
170	Nonzero Complement Presented Gain Risky Choices	-.335**	-.401**
171	Nonzero Complement Presented Gain Money Risky Choices	-.552**	-.473**
172	Nonzero Complement Presented Gain Money Signed Confidence	-.693**	-.552**
173	Nonzero Complement Presented Gain Signed Confidence	-.526**	-.522**
174	Nonzero Complement Presented Lives Framing Index	.283**	.715**

		183	184
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.343**	.786**
176	Nonzero Complement Presented Loss Lives Risky Choices	.259*	.518**
177	Nonzero Complement Presented Loss Lives Signed Confidence	.279**	.542**
178	Nonzero Complement Presented Loss Risky Choices	.321**	.466**
179	Nonzero Complement Presented Loss Money Risky Choices	.323**	.304**
180	Nonzero Complement Presented Loss Money Signed Confidence	.314**	.318**
181	Nonzero Complement Presented Loss Signed Confidence	.327**	.478**
182	Nonzero Complement Presented Money Framing Index	.879**	.781**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	1	.852**
184	Nonzero Complement Presented Signed Confidence Framing Index	.852**	1

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

## Appendix O

Correlations between framing measures and measures of emotional go/no-go performance

N = 25

(Subsample of MRI framing participants who also completed the emotional go/no-go task)

		1	2	3	4	5	6	7	8	9	10	11
1	Criterion	1	.806**	.788**	.668**	.835**	.956**	.878**	.721**	.895**	.621**	.723**
2	Criterion Calm Distractor	.806**	1	.467*	.421*	.563**	.682**	.866**	.815**	.710**	.296	.651**
3	Criterion CalmFear	.788**	.467*	1	.298	.865**	.773**	.448*	.525**	.835**	.458*	.506*
4	Criterion CalmHappy	.668**	.421*	.298	1	.655**	.658**	.490*	.327	.497*	.257	.307
5	Criterion Calm Target	.835**	.563**	.865**	.655**	1	.891**	.529**	.556**	.837**	.419*	.525**
6	Criterion Emotional Distractor	.956**	.682**	.773**	.658**	.891**	1	.806**	.572**	.897**	.663**	.715**
7	Criterion Emotional Target	.878**	.866**	.448*	.490*	.529**	.806**	1	.720**	.737**	.695**	.795**
8	Criterion FearCalm	.721**	.815**	.525**	.327	.556**	.572**	.720**	1	.602**	.440*	.753**
9	Criterion FearDistractor	.895**	.710**	.835**	.497*	.837**	.897**	.737**	.602**	1	.385	.525**
10	Criterion FearHappy	.621**	.296	.458*	.257	.419*	.663**	.695**	.440*	.385	1	.876**
11	Criterion Fear Target	.723**	.651**	.506*	.307	.525**	.715**	.795**	.753**	.525**	.876**	1
12	Criterion HappyCalm	.705**	.805**	.323	.451*	.464*	.601**	.738**	.310	.670**	.051	.313
13	Criterion Happy Distractor	.762**	.488*	.349	.762**	.615**	.802**	.729**	.440*	.506*	.768**	.749**
14	Criterion HappyFear	.729**	.737**	.128	.597**	.394	.670**	.858**	.487*	.666**	.312	.465*
15	Criterion Happy Target	.714**	.805**	.212	.494*	.423*	.640**	.786**	.370	.712**	.092	.344
16	Criterion NonEmotional Distractor	.806**	1.000**	.467*	.421*	.563**	.682**	.866**	.815**	.710**	.296	.651**
17	Criterion NonEmotional Target	.835**	.563**	.865**	.655**	1.000**	.891**	.529**	.556**	.837**	.419*	.525**
18	DPrime	.180	.153	.077	.261	.126	.165	.260	.410*	-.056	.501*	.464*
19	DPrime Calm Distractor	.020	.152	.054	.054	.128	-.102	-.162	.211	.055	-.476*	-.243
20	DPrime CalmFear	.234	.263	-.045	.374	.033	.154	.417*	.275	-.058	.406*	.441*
21	DPrime CalmHappy	.056	.145	.195	.012	.099	.036	.096	.415*	-.042	.256	.240
22	DPrime Calm Target	.159	.223	.058	.229	.074	.121	.306	.427*	-.053	.420*	.417*
23	DPrime Emotional Distractor	.259	.209	.066	.278	.109	.251	.412*	.342	.041	.592**	.519**
24	DPrime Emotional Target	.371	.127	.172	.340	.306	.323	.216	.067	.216	.195	.185
25	DPrime FearCalm	-.006	.123	.072	-.031	.113	-.140	-.224	.336	.043	-.374	-.128
26	DPrime Fear Distractor	.372	.356	-.098	.437*	.053	.325	.577**	.210	.099	.553**	.530**
27	DPrime FearHappy	.381	-.009	.292	.186	.283	.442*	.355	.025	.137	.724**	.517**
28	DPrime Fear Target	.306	.115	.284	.162	.317	.248	.142	.198	.179	.211	.253

		1	2	3	4	5	6	7	8	9	10	11
29	DPrime HappyCalm	.043	.104	.037	.191	.135	.041	-.076	.090	-.074	-.102	-.069
30	DPrime Happy Distractor	.240	.122	.277	.148	.241	.258	.250	.307	.090	.518**	.429*
31	DPrime HappyFear	.257	.127	.129	.181	.119	.339	.322	.177	.171	.587**	.414*
32	DPrime Happy Target	.209	.126	-.076	.274	.075	.193	.166	-.019	.049	.120	.101
33	DPrime NonEmotional Distractor	.020	.152	.054	.054	.128	-.102	-.162	.211	.055	-.476*	-.243
34	DPrime NonEmotional Target	.159	.223	.058	.229	.074	.121	.306	.427*	-.053	.420*	.417*
35	zCorrectRejectionRate Calm Distractor	.623**	.843**	.375	.349	.497*	.463*	.570**	.723**	.567**	-.059	.363
36	zCorrectRejectionRate CalmFear	.744**	.529**	.699**	.485*	.656**	.675**	.625**	.581**	.568**	.625**	.686**
37	zCorrectRejectionRate CalmHappy	.415*	.353	.317	.562**	.443*	.393	.350	.512*	.294	.345	.368
38	zCorrectRejectionRate Calm Target	.569**	.478*	.501*	.531**	.588**	.569**	.528**	.639**	.529**	.562**	.616**
39	zCorrectRejectionRate Emotional Distractor	.703**	.519**	.451*	.556**	.561**	.721**	.732**	.550**	.584**	.782**	.759**
40	zCorrectRejectionRate Emotional Target	.869**	.748**	.451*	.545**	.561**	.790**	.895**	.610**	.676**	.661**	.718**
41	zCorrectRejectionRate FearCalm	.458*	.589**	.375	.188	.419*	.280	.324	.836**	.393	.058	.402
42	zCorrectRejectionRate Fear Distractor	.867**	.727**	.506*	.631**	.620**	.838**	.890**	.563**	.763**	.658**	.711**
43	zCorrectRejectionRate FearHappy	.531**	.144	.398	.236	.373	.587**	.554**	.236	.270	.919**	.738**
44	zCorrectRejectionRate Fear Target	.676**	.519**	.519**	.306	.544**	.638**	.635**	.646**	.459*	.740**	.840**
45	zCorrectRejectionRate HappyCalm	.544**	.655**	.226	.447*	.423*	.466*	.496*	.249	.461*	-.030	.188
46	zCorrectRejectionRate Happy Distractor	.575**	.346	.379	.509**	.498*	.609**	.565**	.448*	.353	.769**	.703**
47	zCorrectRejectionRate HappyFear	.673**	.619**	.147	.538**	.354	.668**	.801**	.404	.585**	.492*	.548**
48	zCorrectRejectionRate Happy Target	.614**	.636**	.098	.492*	.339	.553**	.643**	.232	.564**	.127	.296
49	zCorrectRejectionRate NonEmotional Distractor	.623**	.843**	.375	.349	.497*	.463*	.570**	.723**	.567**	-.059	.363
50	zCorrectRejectionRate NonEmotional Target	.569**	.478*	.501*	.531**	.588**	.569**	.528**	.639**	.529**	.562**	.616**
51	zFalseAlarmRate Calm Distractor	-.623**	-.843**	-.375	-.349	-.497*	-.463*	-.570**	-.723**	-.567**	.059	-.363
52	zFalseAlarmRate CalmFear	-.744**	-.529**	-.699**	-.485*	-.656**	-.675**	-.625**	-.581**	-.568**	-.625**	-.686**
53	zFalseAlarmRate CalmHappy	-.415*	-.353	-.317	-.562**	-.443*	-.393	-.350	-.512*	-.294	-.345	-.368
54	zFalseAlarmRate Calm Target	-.569**	-.478*	-.501*	-.531**	-.588**	-.569**	-.528**	-.639**	-.529**	-.562**	-.616**
55	zFalseAlarmRate Emotional Distractor	-.703**	-.519**	-.451*	-.556**	-.561**	-.721**	-.732**	-.550**	-.584**	-.782**	-.759**

		1	2	3	4	5	6	7	8	9	10	11
56	zFalseAlarmRate Emotional Target	-.869**	-.748**	-.451*	-.545**	-.561**	-.790**	-.895**	-.610**	-.676**	-.661**	-.718**
57	zFalseAlarmRate FearCalm	-.458*	-.589**	-.375	-.188	-.419*	-.280	-.324	-.836**	-.393	-.058	-.402
58	zFalseAlarmRate Fear Distractor	-.867**	-.727**	-.506*	-.631**	-.620**	-.838**	-.890**	-.563**	-.763**	-.658**	-.711**
59	zFalseAlarmRate FearHappy	-.523**	-.153	-.371	-.260	-.385	-.593**	-.554**	-.224	-.270	-.895**	-.727**
60	zFalseAlarmRate Fear Target	-.676**	-.519**	-.519**	-.306	-.544**	-.638**	-.635**	-.646**	-.459*	-.740**	-.840**
61	zFalseAlarmRate HappyCalm	-.544**	-.655**	-.226	-.447*	-.423*	-.466*	-.496*	-.249	-.461*	.030	-.188
62	zFalseAlarmRate Happy Distractor	-.575**	-.346	-.379	-.509**	-.498*	-.609**	-.565**	-.448*	-.353	-.769**	-.703**
63	zFalseAlarmRate HappyFear	-.673**	-.619**	-.147	-.538**	-.354	-.668**	-.801**	-.404	-.585**	-.492*	-.548**
64	zFalseAlarmRate Happy Target	-.614**	-.636**	-.098	-.492*	-.339	-.553**	-.643**	-.232	-.564**	-.127	-.296
65	zFalseAlarmRate NonEmotional Distractor	-.623**	-.843**	-.375	-.349	-.497*	-.463*	-.570**	-.723**	-.567**	.059	-.363
66	zFalseAlarmRate NonEmotional Target	-.569**	-.478*	-.501*	-.531**	-.588**	-.569**	-.528**	-.639**	-.529**	-.562**	-.616**
67	zHitRate Calm Distractor	-.695**	-.783**	-.358	-.336	-.414*	-.663**	-.863**	-.548**	-.601**	-.567**	-.725**
68	zHitRate CalmFear	-.403	-.149	-.729**	.040	-.598**	-.459*	-.032	-.174	-.649**	-.039	-.049
69	zHitRate CalmHappy	-.326	-.113	.002	-.548**	-.282	-.337	-.193	.176	-.381	.078	.030
70	zHitRate Calm Target	-.334	-.125	-.434*	-.172	-.501*	-.398*	-.033	.060	-.678**	.131	.066
71	zHitRate Emotional Distractor	-.426*	-.282	-.444*	-.201	-.518**	-.463*	-.181	-.056	-.737**	.116	-.020
72	zHitRate Emotional Target	-.641**	-.764**	-.282	-.284	-.340	-.597**	-.843**	-.576**	-.605**	-.480*	-.663**
73	zHitRate FearCalm	-.659**	-.628**	-.411*	-.319	-.404	-.629**	-.832**	-.630**	-.518*	-.706**	-.782**
74	zHitRate Fear Distractor	-.424*	-.293	-.659**	-.070	-.608**	-.460*	-.155	-.271	-.701**	.130	-.025
75	zHitRate FearHappy	-.233	-.380	-.156	-.056	-.120	-.199	-.361	-.511*	-.273	-.218	-.358
76	zHitRate Fear Target	-.429*	-.503*	-.248	-.159	-.243	-.464*	-.612**	-.528**	-.342	-.627**	-.717**
77	zHitRate HappyCalm	-.543**	-.584**	-.250	-.236	-.283	-.459*	-.654**	-.193	-.610**	-.136	-.308
78	zHitRate Happy Distractor	-.301	-.223	.028	-.388	-.199	-.313	-.269	-.005	-.348	-.026	-.116
79	zHitRate HappyFear	-.561**	-.647**	-.033	-.481*	-.316	-.451*	-.649**	-.408	-.549**	.164	-.199
80	zHitRate Happy Target	-.540**	-.686**	-.263	-.283	-.355	-.480*	-.640**	-.367	-.653**	.008	-.260
81	zHitRate NonEmotional Distractor	-.695**	-.783**	-.358	-.336	-.414*	-.663**	-.863**	-.548**	-.601**	-.567**	-.725**
82	zHitRate NonEmotional Target	-.334	-.125	-.434*	-.172	-.501*	-.398*	-.033	.060	-.678**	.131	.066
83	zMissRate Calm Distractor	.695**	.783**	.358	.336	.414*	.663**	.863**	.548**	.601**	.567**	.725**
84	zMissRate CalmFear	.403	.149	.729**	-.040	.598**	.459*	.032	.174	.649**	.039	.049

		1	2	3	4	5	6	7	8	9	10	11
85	zMissRate CalmHappy	.326	.113	-.002	.548**	.282	.337	.193	-.176	.381	-.078	-.030
86	zMissRate Calm Target	.334	.125	.434*	.172	.501*	.398*	.033	-.060	.678**	-.131	-.066
87	zMissRate Emotional Distractor	.426*	.282	.444*	.201	.518**	.463*	.181	.056	.737**	-.116	.020
88	zMissRate Emotional Target	.641**	.764**	.282	.284	.340	.597**	.843**	.576**	.605**	.480*	.663**
89	zMissRate FearCalm	.659**	.628**	.411*	.319	.404	.629**	.832**	.630**	.518*	.706**	.782**
90	zMissRate Fear Distractor	.424*	.293	.659**	.070	.608**	.460*	.155	.271	.701**	-.130	.025
91	zMissRate FearHappy	.233	.380	.156	.056	.120	.199	.361	.511*	.273	.218	.358
92	zMissRate Fear Target	.429*	.503*	.248	.159	.243	.464*	.612**	.528**	.342	.627**	.717**
93	zMissRate HappyCalm	.543**	.584**	.250	.236	.283	.459*	.654**	.193	.610**	.136	.308
94	zMissRate Happy Distractor	.301	.223	-.028	.388	.199	.313	.269	.005	.348	.026	.116
95	zMissRate HappyFear	.561**	.647**	.033	.481*	.316	.451*	.649**	.408	.549**	-.164	.199
96	zMissRate Happy Target	.540**	.686**	.263	.283	.355	.480*	.640**	.367	.653**	-.008	.260
97	zMissRate NonEmotional Distractor	.695**	.783**	.358	.336	.414*	.663**	.863**	.548**	.601**	.567**	.725**
98	zMissRate NonEmotional Target	.334	.125	.434*	.172	.501*	.398*	.033	-.060	.678**	-.131	-.066
99	zRT AllRuns Hits	-.009	.070	.032	.167	.081	.159	.147	.296	.010	.436*	.327
100	zRT Calm Distractor Hits	-.079	.045	-.050	.117	-.012	.056	.086	.247	-.072	.316	.222
101	zRT Calm Target Hits	.219	.115	.159	.255	.241	.321	.220	.440*	.124	.582**	.429*
102	zRT Emotional Distractor Hits	.138	.081	.070	.193	.129	.213	.176	.435*	.053	.487*	.374
103	zRT Emotional Target Hits	-.068	.044	-.046	.114	-.005	.071	.106	.263	-.044	.332	.254
104	zRT Fear Distractor Hits	.159	.052	.070	.240	.155	.227	.140	.415*	.019	.504*	.402
105	zRT Fear Target Hits	.066	.211	-.045	.191	.032	.193	.354	.259	.151	.296	.288
106	zRT Happy Distractor Hits	.115	.070	.061	.172	.113	.190	.142	.375	.072	.402	.281
107	zRT Happy Target Hits	.018	.016	-.034	.125	.011	.073	.097	.357	-.076	.363	.279
108	zRT Hits Calm	.013	.082	.067	.191	.117	.191	.156	.303	.023	.473*	.342
109	ZRT Hits CalmFear	.461*	.241	.159	.374	.270	.466*	.485*	.438*	.216	.616**	.565**
110	ZRT Hits CalmHappy	.214	.112	.160	.268	.244	.302	.182	.370	.158	.448*	.307
111	zRT Hits Fear	-.004	.089	.015	.157	.062	.154	.173	.313	.015	.430*	.350
112	ZRT Hits FearCalm	.097	.254	-.029	.234	.065	.214	.372	.280	.163	.288	.286
113	ZRT Hits FearHappy	.163	.153	-.061	.135	-.006	.161	.320	.330	.130	.294	.280

		1	2	3	4	5	6	7	8	9	10	11
114	zRT Hits Happy	-.027	.062	.002	.156	.054	.129	.128	.273	.005	.372	.276
115	ZRT Hits HappyCalm	-.011	-.015	-.040	.109	-.011	.046	.048	.297	-.090	.302	.197
116	ZRT Hits HappyFear	.071	.016	-.054	.200	.056	.110	.078	.344	-.017	.298	.264
117	zRT Hits	-.009	.070	.032	.167	.081	.159	.147	.296	.010	.436*	.327
118	zRT Nonemotional Distractor Hits	-.079	.045	-.050	.117	-.012	.056	.086	.247	-.072	.316	.222
119	zRT Nonemotional Target Hits	.219	.115	.159	.255	.241	.321	.220	.440*	.124	.582**	.429*
120	Zero Complement Presented Framing Index	.103	.134	-.143	.295	.054	.108	.143	-.057	.133	-.188	-.134
121	Zero Complement Presented Gain Lives	.013	-.039	.312	-.273	.094	.060	-.035	.017	.091	.182	.119
122	Zero Complement Presented Gain Lives Signed Confidence	-.002	-.017	.260	-.211	.086	.049	-.044	.037	.087	.128	.083
123	Zero Complement Presented Gain Risky Choices	-.109	-.244	.187	-.323	-.026	-.094	-.209	.000	-.096	.173	.045
124	Zero Complement Presented Gain Money Risky Choices	-.232	-.434*	-.053	-.275	-.179	-.269	-.370	-.022	-.315	.096	-.070
125	Zero Complement Presented Gain Money Signed Confidence	-.186	-.406*	-.014	-.234	-.120	-.213	-.342	.001	-.228	.059	-.076
126	Zero Complement Presented Gain Signed Confidence	-.099	-.223	.170	-.265	-.004	-.078	-.208	.026	-.060	.119	.017
127	Zero Complement Presented Lives Framing Index	.103	.134	-.143	.295	.054	.108	.143	-.057	.133	-.188	-.134
128	Zero Complement Presented Lives Signed Confidence Framing Index	.061	.077	-.209	.268	-.042	.029	.108	-.120	.032	-.174	-.156
129	Zero Complement Presented Loss Lives Risky Choices	.094	.174	-.115	.013	-.081	-.058	.091	.060	.067	-.248	-.132
130	Zero Complement Presented Loss Lives Signed Confidence	.042	.075	-.159	-.079	-.150	-.122	.017	-.014	-.001	-.271	-.189
131	Zero Complement Presented Loss Risky Choices	.026	.015	-.173	.068	-.090	-.080	-.006	-.003	-.007	-.222	-.187
132	Zero Complement Presented Loss Money Risky Choices	-.063	-.178	-.190	.113	-.075	-.083	-.120	-.076	-.092	-.129	-.197
133	Zero Complement Presented Loss Money Signed Confidence	-.075	-.231	-.242	.117	-.141	-.134	-.146	-.129	-.142	-.147	-.234
134	Zero Complement Presented Loss Signed Confidence	-.015	-.080	-.229	.015	-.168	-.147	-.069	-.078	-.078	-.244	-.242

		1	2	3	4	5	6	7	8	9	10	11
135	Zero Complement Presented Money Framing Index	.103	.134	-.143	.295	.054	.108	.143	-.057	.133	-.188	-.134
136	Zero Complement Presented Money Signed Confidence Framing Index	.061	.077	-.209	.268	-.042	.029	.108	-.120	.032	-.174	-.156
137	Zero Complement Presented Signed Confidence Framing Index	.061	.077	-.209	.268	-.042	.029	.108	-.120	.032	-.174	-.156
138	Framing Index	-.398*	-.224	-.621**	-.317	-.521**	-.597**	-.466*	-.079	-.539**	-.577**	-.475*
139	Gain Lives Risky Choices	.153	.172	.293	-.066	.192	.191	.154	.097	.278	.089	.116
140	Gain Lives Signed Confidence	.107	.149	.235	-.043	.149	.156	.130	.062	.240	.061	.084
141	Gain Risky Choices	.225	.036	.252	.131	.259	.235	.098	.108	.305	.079	.051
142	Gain Money Risky Choices	.189	-.165	.054	.323	.207	.165	-.031	.058	.178	.020	-.065
143	Gain Money Signed Confidence	.188	-.166	.075	.298	.221	.169	-.050	.053	.211	-.028	-.099
144	Gain Signed Confidence	.192	.009	.213	.143	.235	.210	.063	.078	.293	.028	.002
145	Both Complements Presented Framing Index	-.482*	-.355	-.480*	-.374	-.409*	-.560**	-.566**	.026	-.576**	-.337	-.294
146	Both Complements Presented Gain Lives Risky Choices	.220	.191	.255	-.009	.178	.224	.210	.106	.329	.068	.105
147	Both Complements Presented Gain Lives Signed Confidence	.130	.130	.161	-.015	.099	.154	.151	.019	.268	.007	.023
148	Both Complements Presented Gain Risky Choices	.294	.055	.166	.232	.243	.273	.137	.021	.369	-.035	-.040
149	Both Complements Presented Gain Money Risky Choices	.240	-.135	-.023	.423*	.215	.211	-.012	-.090	.267	-.145	-.198
150	Both Complements Presented Gain Money Signed Confidence	.237	-.149	-.009	.405*	.235	.220	-.031	-.089	.283	-.157	-.222
151	Both Complements Presented Gain Signed Confidence	.230	-.004	.100	.224	.199	.225	.079	-.043	.330	-.088	-.113
152	Both Complements Presented Lives Framing Index	-.390*	-.429*	-.583**	-.190	-.429*	-.555**	-.602**	-.207	-.597**	-.545**	-.513**
153	Both Complements Presented Lives Signed Confidence Framing Index	-.241	-.359	-.479*	-.179	-.324	-.478*	-.551**	-.040	-.545**	-.457*	-.398*
154	Both Complements Presented Loss Lives Risky Choices	-.165	-.193	-.176	-.174	-.205	-.271	-.326	-.070	-.179	-.327	-.348



		1	2	3	4	5	6	7	8	9	10	11
174	Nonzero Complement Presented Lives Framing Index	-.406*	-.424*	-.562**	-.441*	-.586**	-.637**	-.561**	-.278	-.666**	-.521**	-.531**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.302	-.418*	-.525**	-.433*	-.545**	-.613**	-.565**	-.197	-.644**	-.501*	-.530**
176	Nonzero Complement Presented Loss Lives Risky Choices	-.296	-.181	-.337	-.365	-.384	-.451*	-.374	-.175	-.333	-.490*	-.448*
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.186	-.131	-.251	-.312	-.307	-.372	-.313	-.102	-.274	-.404	-.377
178	Nonzero Complement Presented Loss Risky Choices	-.244	-.119	-.292	-.295	-.287	-.380	-.334	.013	-.254	-.424*	-.361
179	Nonzero Complement Presented Loss Money Risky Choices	-.114	-.011	-.140	-.123	-.087	-.179	-.182	.220	-.094	-.203	-.148
180	Nonzero Complement Presented Loss Money Signed Confidence	-.136	-.060	-.153	-.164	-.124	-.236	-.233	.195	-.146	-.229	-.180
181	Nonzero Complement Presented Loss Signed Confidence	-.185	-.112	-.241	-.279	-.254	-.358	-.321	.051	-.243	-.377	-.328
182	Nonzero Complement Presented Money Framing Index	-.364	-.079	-.296	-.482*	-.359	-.426*	-.328	.028	-.378	-.302	-.211
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.389*	-.111	-.335	-.513**	-.405*	-.476*	-.349	.008	-.448*	-.277	-.204
184	Nonzero Complement Presented Signed Confidence Framing Index	-.387	-.284	-.497*	-.538**	-.530**	-.608**	-.506**	-.116	-.589**	-.449*	-.398*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		12	13	14	15	16	17	18	19	20	21	22
1	Criterion	.705**	.762**	.729**	.714**	.806**	.835**	.180	.020	.234	.056	.159
2	Criterion Calm Distractor	.805**	.488*	.737**	.805**	1.000**	.563**	.153	.152	.263	.145	.223
3	Criterion CalmFear	.323	.349	.128	.212	.467*	.865**	.077	.054	-.045	.195	.058
4	Criterion CalmHappy	.451*	.762**	.597**	.494*	.421*	.655**	.261	.054	.374	.012	.229
5	Criterion Calm Target	.464*	.615**	.394	.423*	.563**	1.000**	.126	.128	.033	.099	.074
6	Criterion Emotional Distractor	.601**	.802**	.670**	.640**	.682**	.891**	.165	-.102	.154	.036	.121
7	Criterion Emotional Target	.738**	.729**	.858**	.786**	.866**	.529**	.260	-.162	.417*	.096	.306
8	Criterion FearCalm	.310	.440*	.487*	.370	.815**	.556**	.410*	.211	.275	.415*	.427*
9	Criterion FearDistractor	.670**	.506*	.666**	.712**	.710**	.837**	-.056	.055	-.058	-.042	-.053
10	Criterion FearHappy	.051	.768**	.312	.092	.296	.419*	.501*	-.476*	.406*	.256	.420*
11	Criterion Fear Target	.313	.749**	.465*	.344	.651**	.525**	.464*	-.243	.441*	.240	.417*
12	Criterion HappyCalm	1	.394	.707**	.869**	.805**	.464*	-.023	.156	.236	-.121	.007
13	Criterion Happy Distractor	.394	1	.624**	.474*	.488*	.615**	.370	-.275	.531**	-.016	.276
14	Criterion HappyFear	.707**	.624**	1	.895**	.737**	.394	.141	-.110	.304	.029	.224
15	Criterion Happy Target	.869**	.474*	.895**	1	.805**	.423*	-.099	.006	.177	-.137	-.051
16	Criterion NonEmotional Distractor	.805**	.488*	.737**	.805**	1	.563**	.153	.152	.263	.145	.223
17	Criterion NonEmotional Target	.464*	.615**	.394	.423*	.563**	1	.126	.128	.033	.099	.074
18	DPrime	-.023	.370	.141	-.099	.153	.126	1	.085	.552**	.725**	.894**
19	DPrime Calm Distractor	.156	-.275	-.110	.006	.152	.128	.085	1	-.191	.125	-.071
20	DPrime CalmFear	.236	.531**	.304	.177	.263	.033	.552**	-.191	1	.072	.484*
21	DPrime CalmHappy	-.121	-.016	.029	-.137	.145	.099	.725**	.125	.072	1	.837**
22	DPrime Calm Target	.007	.276	.224	-.051	.223	.074	.894**	-.071	.484*	.837**	1
23	DPrime Emotional Distractor	.069	.444*	.300	.026	.209	.109	.932**	-.195	.534**	.716**	.934**
24	DPrime Emotional Target	.259	.331	.135	.129	.127	.306	.477*	.489*	.145	.106	.132
25	DPrime FearCalm	-.015	-.253	-.224	-.150	.123	.113	.112	.837**	-.103	.019	-.066
26	DPrime Fear Distractor	.388	.660**	.532**	.444*	.356	.053	.651**	-.338	.872**	.116	.722**
27	DPrime FearHappy	.040	.560**	.033	-.070	-.009	.283	.554**	-.258	.323	.156	.313
28	DPrime Fear Target	.133	.230	-.055	-.074	.115	.317	.485*	.506**	.179	.109	.174

		12	13	14	15	16	17	18	19	20	21	22
29	DPrime HappyCalm	.103	.028	-.028	.117	.104	.135	.102	.484*	-.085	.239	-.028
30	DPrime Happy Distractor	-.033	.273	.076	-.118	.122	.241	.869**	-.010	.209	.831**	.821**
31	DPrime HappyFear	.075	.420*	.286	.244	.127	.119	.348	-.411*	.256	.172	.205
32	DPrime Happy Target	.233	.300	.202	.312	.126	.075	.108	.253	.136	-.057	-.147
33	DPrime NonEmotional Distractor	.156	-.275	-.110	.006	.152	.128	.085	1.000**	-.191	.125	-.071
34	DPrime NonEmotional Target	.007	.276	.224	-.051	.223	.074	.894**	-.071	.484*	.837**	1.000**
35	zCorrectRejectionRate Calm Distractor	.697**	.221	.500*	.614**	.843**	.497*	.162	.660**	.083	.178	.131
36	zCorrectRejectionRate CalmFear	.405*	.635**	.312	.282	.529**	.656**	.451*	-.097	.683**	.194	.389
37	zCorrectRejectionRate CalmHappy	.149	.407*	.354	.159	.353	.443*	.744**	.133	.256	.834**	.819**
38	zCorrectRejectionRate Calm Target	.251	.549**	.390	.182	.478*	.588**	.792**	.010	.412*	.731**	.850**
39	zCorrectRejectionRate Emotional Distractor	.375	.752**	.578**	.365	.519**	.561**	.757**	-.195	.475*	.532**	.734**
40	zCorrectRejectionRate Emotional Target	.706**	.732**	.745**	.685**	.748**	.561**	.425*	.094	.411*	.125	.304
41	zCorrectRejectionRate FearCalm	.187	.129	.176	.146	.589**	.419*	.327	.628**	.114	.274	.231
42	zCorrectRejectionRate Fear Distractor	.721**	.782**	.811**	.786**	.727**	.620**	.383	-.181	.580**	.046	.432*
43	zCorrectRejectionRate FearHappy	.049	.708**	.176	.006	.144	.373	.570**	-.388	.390	.218	.391
44	zCorrectRejectionRate Fear Target	.293	.652**	.295	.199	.519**	.544**	.596**	.113	.414*	.229	.389
45	zCorrectRejectionRate HappyCalm	.797**	.307	.502*	.710**	.655**	.423*	.045	.408*	.098	.056	-.012
46	zCorrectRejectionRate Happy Distractor	.185	.725**	.384	.166	.346	.498*	.818**	-.153	.424*	.587**	.735**
47	zCorrectRejectionRate HappyFear	.571**	.670**	.892**	.793**	.619**	.354	.271	-.277	.324	.103	.267
48	zCorrectRejectionRate Happy Target	.737**	.492*	.739**	.871**	.636**	.339	-.014	.135	.192	-.127	-.113
49	zCorrectRejectionRate NonEmotional Distractor	.697**	.221	.500*	.614**	.843**	.497*	.162	.660**	.083	.178	.131
50	zCorrectRejectionRate NonEmotional Target	.251	.549**	.390	.182	.478*	.588**	.792**	.010	.412*	.731**	.850**
51	zFalseAlarmRate Calm Distractor	-.697**	-.221	-.500*	-.614**	-.843**	-.497*	-.162	-.660**	-.083	-.178	-.131
52	zFalseAlarmRate CalmFear	-.405*	-.635**	-.312	-.282	-.529**	-.656**	-.451*	.097	-.683**	-.194	-.389
53	zFalseAlarmRate CalmHappy	-.149	-.407*	-.354	-.159	-.353	-.443*	-.744**	-.133	-.256	-.834**	-.819**
54	zFalseAlarmRate Calm Target	-.251	-.549**	-.390	-.182	-.478*	-.588**	-.792**	-.010	-.412*	-.731**	-.850**
55	zFalseAlarmRate Emotional Distractor	-.375	-.752**	-.578**	-.365	-.519**	-.561**	-.757**	.195	-.475*	-.532**	-.734**

		12	13	14	15	16	17	18	19	20	21	22
56	zFalseAlarmRate Emotional Target	-.706**	-.732**	-.745**	-.685**	-.748**	-.561**	-.425*	-.094	-.411*	-.125	-.304
57	zFalseAlarmRate FearCalm	-.187	-.129	-.176	-.146	-.589**	-.419*	-.327	-.628**	-.114	-.274	-.231
58	zFalseAlarmRate Fear Distractor	-.721**	-.782**	-.811**	-.786**	-.727**	-.620**	-.383	.181	-.580**	-.046	-.432*
59	zFalseAlarmRate FearHappy	-.083	-.706**	-.173	-.014	-.153	-.385	-.569**	.386	-.388	-.199	-.380
60	zFalseAlarmRate Fear Target	-.293	-.652**	-.295	-.199	-.519**	-.544**	-.596**	-.113	-.414*	-.229	-.389
61	zFalseAlarmRate HappyCalm	-.797**	-.307	-.502*	-.710**	-.655**	-.423*	-.045	-.408*	-.098	-.056	.012
62	zFalseAlarmRate Happy Distractor	-.185	-.725**	-.384	-.166	-.346	-.498*	-.818**	.153	-.424*	-.587**	-.735**
63	zFalseAlarmRate HappyFear	-.571**	-.670**	-.892**	-.793**	-.619**	-.354	-.271	.277	-.324	-.103	-.267
64	zFalseAlarmRate Happy Target	-.737**	-.492*	-.739**	-.871**	-.636**	-.339	.014	-.135	-.192	.127	.113
65	zFalseAlarmRate NonEmotional Distractor	-.697**	-.221	-.500*	-.614**	-.843**	-.497*	-.162	-.660**	-.083	-.178	-.131
66	zFalseAlarmRate NonEmotional Target	-.251	-.549**	-.390	-.182	-.478*	-.588**	-.792**	-.010	-.412*	-.731**	-.850**
67	zHitRate Calm Distractor	-.609**	-.602**	-.717**	-.703**	-.783**	-.414*	-.081	.496*	-.349	-.049	-.240
68	zHitRate CalmFear	-.087	.111	.114	-.054	-.149	-.598**	.412	-.179	.718**	-.078	.505*
69	zHitRate CalmHappy	-.353	-.439*	-.309	-.391	-.113	-.282	.461*	.074	-.146	.830**	.573**
70	zHitRate Calm Target	-.256	-.108	-.028	-.284	-.125	-.501*	.705**	-.134	.403	.671**	.826**
71	zHitRate Emotional Distractor	-.353	-.150	-.189	-.420*	-.282	-.518**	.739**	-.108	.396	.630**	.771**
72	zHitRate Emotional Target	-.567**	-.519**	-.751**	-.685**	-.764**	-.340	.013	.425*	-.271	-.034	-.222
73	zHitRate FearCalm	-.291	-.606**	-.624**	-.456*	-.628**	-.404	-.279	.511*	-.333	-.356	-.438*
74	zHitRate Fear Distractor	-.239	.082	-.132	-.231	-.293	-.608**	.510*	-.285	.674**	.116	.558**
75	zHitRate FearHappy	-.006	-.163	-.341	-.213	-.380	-.120	.162	.226	-.047	-.098	-.079
76	zHitRate Fear Target	-.185	-.508**	-.458*	-.363	-.503*	-.243	-.068	.583**	-.265	-.137	-.250
77	zHitRate HappyCalm	-.744**	-.310	-.592**	-.627**	-.584**	-.283	.080	.233	-.292	.256	-.034
78	zHitRate Happy Distractor	-.303	-.435*	-.360	-.439*	-.223	-.199	.557**	.181	-.160	.788**	.578**
79	zHitRate HappyFear	-.659**	-.358	-.809**	-.756**	-.647**	-.316	.120	-.157	-.125	.151	-.092
80	zHitRate Happy Target	-.673**	-.246	-.720**	-.744**	-.686**	-.355	.171	.172	-.059	.092	-.054
81	zHitRate NonEmotional Distractor	-.609**	-.602**	-.717**	-.703**	-.783**	-.414*	-.081	.496*	-.349	-.049	-.240
82	zHitRate NonEmotional Target	-.256	-.108	-.028	-.284	-.125	-.501*	.705**	-.134	.403	.671**	.826**
83	zMissRate Calm Distractor	.609**	.602**	.717**	.703**	.783**	.414*	.081	-.496*	.349	.049	.240
84	zMissRate CalmFear	.087	-.111	-.114	.054	.149	.598**	-.412	.179	-.718**	.078	-.505*

		12	13	14	15	16	17	18	19	20	21	22
85	zMissRate CalmHappy	.353	.439*	.309	.391	.113	.282	-.461*	-.074	.146	-.830**	-.573**
86	zMissRate Calm Target	.256	.108	.028	.284	.125	.501*	-.705**	.134	-.403	-.671**	-.826**
87	zMissRate Emotional Distractor	.353	.150	.189	.420*	.282	.518**	-.739**	.108	-.396	-.630**	-.771**
88	zMissRate Emotional Target	.567**	.519**	.751**	.685**	.764**	.340	-.013	-.425*	.271	.034	.222
89	zMissRate FearCalm	.291	.606**	.624**	.456*	.628**	.404	.279	-.511*	.333	.356	.438*
90	zMissRate Fear Distractor	.239	-.082	.132	.231	.293	.608**	-.510*	.285	-.674**	-.116	-.558**
91	zMissRate FearHappy	.006	.163	.341	.213	.380	.120	-.162	-.226	.047	.098	.079
92	zMissRate Fear Target	.185	.508**	.458*	.363	.503*	.243	.068	-.583**	.265	.137	.250
93	zMissRate HappyCalm	.744**	.310	.592**	.627**	.584**	.283	-.080	-.233	.292	-.256	.034
94	zMissRate Happy Distractor	.303	.435*	.360	.439*	.223	.199	-.557**	-.181	.160	-.788**	-.578**
95	zMissRate HappyFear	.659**	.358	.809**	.756**	.647**	.316	-.120	.157	.125	-.151	.092
96	zMissRate Happy Target	.673**	.246	.720**	.744**	.686**	.355	-.171	-.172	.059	-.092	.054
97	zMissRate NonEmotional Distractor	.609**	.602**	.717**	.703**	.783**	.414*	.081	-.496*	.349	.049	.240
98	zMissRate NonEmotional Target	.256	.108	.028	.284	.125	.501*	-.705**	.134	-.403	-.671**	-.826**
99	zRT AllRuns Hits	-.233	.264	.226	.000	.070	.081	.529**	-.093	.114	.568**	.528**
100	zRT Calm Distractor Hits	-.226	.166	.197	-.006	.045	-.012	.503**	-.088	.152	.548**	.521**
101	zRT Calm Target Hits	-.149	.417*	.245	.049	.115	.241	.567**	-.082	.074	.539**	.482*
102	zRT Emotional Distractor Hits	-.228	.315	.239	.012	.081	.129	.567**	-.093	.093	.555**	.509**
103	zRT Emotional Target Hits	-.252	.176	.216	-.011	.044	-.005	.501**	-.097	.128	.541**	.516**
104	zRT Fear Distractor Hits	-.278	.405*	.178	.013	.052	.155	.413*	-.089	.146	.373	.354
105	zRT Fear Target Hits	-.068	.237	.516**	.215	.211	.032	.467*	-.049	.132	.516**	.511*
106	zRT Happy Distractor Hits	-.173	.244	.248	.057	.070	.113	.561**	-.034	.039	.569**	.489*
107	zRT Happy Target Hits	-.293	.203	.179	-.084	.016	.011	.541**	-.144	.107	.533**	.539**
108	zRT Hits Calm	-.208	.296	.220	.008	.082	.117	.542**	-.086	.118	.582**	.535**
109	ZRT Hits CalmFear	-.115	.604**	.438*	.198	.241	.270	.381	-.083	.138	.337	.348
110	ZRT Hits CalmHappy	-.069	.344	.265	.106	.112	.244	.580**	.022	.021	.560**	.471*
111	zRT Hits Fear	-.239	.264	.246	.010	.089	.062	.504**	-.109	.142	.545**	.520**
112	ZRT Hits FearCalm	.000	.269	.536**	.255	.254	.065	.479*	-.020	.195	.520**	.527**
113	ZRT Hits FearHappy	-.143	.191	.474*	.162	.153	-.006	.469*	-.079	.054	.490*	.474*

		12	13	14	15	16	17	18	19	20	21	22
114	zRT Hits Happy	-.217	.223	.237	.018	.062	.054	.527**	-.070	.107	.564**	.522**
115	ZRT Hits HappyCalm	-.265	.136	.147	-.080	-.015	-.011	.504*	-.090	.050	.509*	.491*
116	ZRT Hits HappyFear	-.270	.280	.207	.029	.016	.056	.431*	-.042	.153	.354	.373
117	zRT Hits	-.233	.264	.226	.000	.070	.081	.529**	-.093	.114	.568**	.528**
118	zRT Nonemotional Distractor Hits	-.226	.166	.197	-.006	.045	-.012	.503**	-.088	.152	.548**	.521**
119	zRT Nonemotional Target Hits	-.149	.417*	.245	.049	.115	.241	.567**	-.082	.074	.539**	.482*
120	Zero Complement Presented Framing Index	.287	.109	.356	.288	.134	.054	-.081	.108	.040	-.133	.029
121	Zero Complement Presented Gain Lives	-.085	-.148	-.252	-.177	-.039	.094	.043	.114	-.271	.157	-.048
122	Zero Complement Presented Gain Lives Signed Confidence	-.081	-.135	-.215	-.149	-.017	.086	-.006	.194	-.319	.126	-.094
123	Zero Complement Presented Gain Risky Choices	-.336	-.188	-.423*	-.412*	-.244	-.026	.120	.147	-.245	.151	-.028
124	Zero Complement Presented Gain Money Risky Choices	-.555**	-.175	-.503*	-.582**	-.434*	-.179	.178	.140	-.120	.089	.009
125	Zero Complement Presented Gain Money Signed Confidence	-.552**	-.152	-.419*	-.500*	-.406*	-.120	.117	.157	-.155	.066	-.048
126	Zero Complement Presented Gain Signed Confidence	-.343	-.170	-.364	-.361	-.223	-.004	.057	.214	-.299	.120	-.089
127	Zero Complement Presented Lives Framing Index	.287	.109	.356	.288	.134	.054	-.081	.108	.040	-.133	.029
128	Zero Complement Presented Lives Signed Confidence Framing Index	.286	.090	.280	.218	.077	-.042	-.060	.037	.122	-.192	.039
129	Zero Complement Presented Loss Lives Risky Choices	.237	-.175	.187	.178	.174	-.081	-.024	.291	-.154	.073	.031
130	Zero Complement Presented Loss Lives Signed Confidence	.138	-.234	.104	.084	.075	-.150	-.123	.217	-.280	.028	-.046
131	Zero Complement Presented Loss Risky Choices	.094	-.116	.122	.047	.015	-.090	.009	.299	-.119	.005	.039
132	Zero Complement Presented Loss Money Risky Choices	-.103	-.012	.010	-.122	-.178	-.075	.045	.221	-.045	-.077	.038
133	Zero Complement Presented Loss Money Signed Confidence	-.111	-.018	-.013	-.147	-.231	-.141	.024	.164	.015	-.163	.006
134	Zero Complement Presented Loss Signed Confidence	.024	-.153	.056	-.028	-.080	-.168	-.061	.221	-.161	-.072	-.025

		12	13	14	15	16	17	18	19	20	21	22
135	Zero Complement Presented Money Framing Index	.287	.109	.356	.288	.134	.054	-.081	.108	.040	-.133	.029
136	Zero Complement Presented Money Signed Confidence Framing Index	.286	.090	.280	.218	.077	-.042	-.060	.037	.122	-.192	.039
137	Zero Complement Presented Signed Confidence Framing Index	.286	.090	.280	.218	.077	-.042	-.060	.037	.122	-.192	.039
138	Framing Index	-.184	-.482*	-.282	-.163	-.224	-.521**	-.221	.246	-.126	-.136	-.241
139	Gain Lives Risky Choices	.138	-.070	.045	.066	.172	.192	.081	.230	-.283	.209	.049
140	Gain Lives Signed Confidence	.127	-.065	.043	.060	.149	.149	.032	.262	-.283	.147	-.003
141	Gain Risky Choices	.018	.078	.092	.006	.036	.259	.119	.295	-.187	.087	.023
142	Gain Money Risky Choices	-.153	.232	.105	-.077	-.165	.207	.100	.220	.050	-.124	-.024
143	Gain Money Signed Confidence	-.159	.193	.107	-.053	-.166	.221	.034	.227	-.023	-.143	-.086
144	Gain Signed Confidence	-.002	.066	.093	.012	.009	.235	.044	.319	-.217	.021	-.052
145	Both Complements Presented Framing Index	-.436*	-.422*	-.546**	-.464*	-.355	-.409*	-.064	.211	-.093	-.014	-.137
146	Both Complements Presented Gain Lives Risky Choices	.146	-.015	.161	.145	.191	.178	.053	.236	-.322	.182	.019
147	Both Complements Presented Gain Lives Signed Confidence	.126	-.055	.144	.128	.130	.099	-.011	.264	-.331	.122	-.039
148	Both Complements Presented Gain Risky Choices	.092	.135	.251	.193	.055	.243	-.070	.267	-.238	-.083	-.170
149	Both Complements Presented Gain Money Risky Choices	-.013	.258	.249	.167	-.135	.215	-.182	.187	-.021	-.370	-.324
150	Both Complements Presented Gain Money Signed Confidence	-.027	.228	.237	.155	-.149	.235	-.194	.179	-.114	-.332	-.324
151	Both Complements Presented Gain Signed Confidence	.064	.096	.229	.171	-.004	.199	-.125	.272	-.283	-.114	-.212
152	Both Complements Presented Lives Framing Index	-.325	-.377	-.387	-.237	-.429*	-.429*	-.178	.150	-.044	-.157	-.300
153	Both Complements Presented Lives Signed Confidence Framing Index	-.314	-.306	-.409*	-.250	-.359	-.324	-.144	.085	.019	-.162	-.277
154	Both Complements Presented Loss Lives Risky Choices	-.145	-.343	-.184	-.068	-.193	-.205	-.119	.355	-.339	.036	-.243



		12	13	14	15	16	17	18	19	20	21	22
174	Nonzero Complement Presented Lives Framing Index	-.347	-.500*	-.423*	-.247	-.424*	-.586**	-.344	.094	-.272	-.225	-.458*
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.358	-.499*	-.433*	-.253	-.418*	-.545**	-.306	.067	-.297	-.168	-.433*
176	Nonzero Complement Presented Loss Lives Risky Choices	-.105	-.517**	-.271	-.096	-.181	-.384	-.264	.300	-.398	-.044	-.323
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.070	-.452*	-.250	-.082	-.131	-.307	-.235	.285	-.372	-.018	-.288
178	Nonzero Complement Presented Loss Risky Choices	-.111	-.422*	-.222	-.110	-.119	-.287	-.130	.348	-.215	-.023	-.195
179	Nonzero Complement Presented Loss Money Risky Choices	-.082	-.181	-.097	-.091	-.011	-.087	.057	.291	.067	.008	.011
180	Nonzero Complement Presented Loss Money Signed Confidence	-.116	-.227	-.180	-.167	-.060	-.124	.047	.299	.065	-.018	-.004
181	Nonzero Complement Presented Loss Signed Confidence	-.109	-.400*	-.253	-.146	-.112	-.254	-.109	.343	-.186	-.021	-.173
182	Nonzero Complement Presented Money Framing Index	-.140	-.452*	-.355	-.157	-.079	-.359	-.149	.114	-.119	-.011	-.182
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.164	-.470*	-.422*	-.228	-.111	-.405*	-.111	.089	-.099	.021	-.134
184	Nonzero Complement Presented Signed Confidence Framing Index	-.285	-.546**	-.482*	-.270	-.284	-.530**	-.235	.089	-.226	-.074	-.306

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		23	24	25	26	27	28	29	30	31	32	33
1	Criterion	.259	.371	-.006	.372	.381	.306	.043	.240	.257	.209	.020
2	Criterion Calm Distractor	.209	.127	.123	.356	-.009	.115	.104	.122	.127	.126	.152
3	Criterion CalmFear	.066	.172	.072	-.098	.292	.284	.037	.277	.129	-.076	.054
4	Criterion CalmHappy	.278	.340	-.031	.437*	.186	.162	.191	.148	.181	.274	.054
5	Criterion Calm Target	.109	.306	.113	.053	.283	.317	.135	.241	.119	.075	.128
6	Criterion Emotional Distractor	.251	.323	-.140	.325	.442*	.248	.041	.258	.339	.193	-.102
7	Criterion Emotional Target	.412*	.216	-.224	.577**	.355	.142	-.076	.250	.322	.166	-.162
8	Criterion FearCalm	.342	.067	.336	.210	.025	.198	.090	.307	.177	-.019	.211
9	Criterion FearDistractor	.041	.216	.043	.099	.137	.179	-.074	.090	.171	.049	.055
10	Criterion FearHappy	.592**	.195	-.374	.553**	.724**	.211	-.102	.518**	.587**	.120	-.476*
11	Criterion Fear Target	.519**	.185	-.128	.530**	.517**	.253	-.069	.429*	.414*	.101	-.243
12	Criterion HappyCalm	.069	.259	-.015	.388	.040	.133	.103	-.033	.075	.233	.156
13	Criterion Happy Distractor	.444*	.331	-.253	.660**	.560**	.230	.028	.273	.420*	.300	-.275
14	Criterion HappyFear	.300	.135	-.224	.532**	.033	-.055	-.028	.076	.286	.202	-.110
15	Criterion Happy Target	.026	.129	-.150	.444*	-.070	-.074	.117	-.118	.244	.312	.006
16	Criterion NonEmotional Distractor	.209	.127	.123	.356	-.009	.115	.104	.122	.127	.126	.152
17	Criterion NonEmotional Target	.109	.306	.113	.053	.283	.317	.135	.241	.119	.075	.128
18	DPrime	.932**	.477*	.112	.651**	.554**	.485*	.102	.869**	.348	.108	.085
19	DPrime Calm Distractor	-.195	.489*	.837**	-.338	-.258	.506**	.484*	-.010	-.411*	.253	1.000**
20	DPrime CalmFear	.534**	.145	-.103	.872**	.323	.179	-.085	.209	.256	.136	-.191
21	DPrime CalmHappy	.716**	.106	.019	.116	.156	.109	.239	.831**	.172	-.057	.125
22	DPrime Calm Target	.934**	.132	-.066	.722**	.313	.174	-.028	.821**	.205	-.147	-.071
23	DPrime Emotional Distractor	1	.327	-.178	.841**	.579**	.298	-.048	.878**	.426*	.020	-.195
24	DPrime Emotional Target	.327	1	.390	.285	.627**	.859**	.336	.467*	.208	.558**	.489*
25	DPrime FearCalm	-.178	.390	1	-.332	-.197	.621**	.047	-.044	-.482*	-.108	.837**
26	DPrime Fear Distractor	.841**	.285	-.332	1	.481*	.139	-.029	.386	.540**	.403	-.338
27	DPrime FearHappy	.579**	.627**	-.197	.481*	1	.615**	-.059	.636**	.444*	.211	-.258
28	DPrime Fear Target	.298	.859**	.621**	.139	.615**	1	.016	.458*	-.100	.143	.506**

		23	24	25	26	27	28	29	30	31	32	33
29	DPrime HappyCalm	-.048	.336	.047	-.029	-.059	.016	1	.107	.211	.778**	.484*
30	DPrime Happy Distractor	.878**	.467*	-.044	.386	.636**	.458*	.107	1	.339	.045	-.010
31	DPrime HappyFear	.426*	.208	-.482*	.540**	.444*	-.100	.211	.339	1	.519**	-.411*
32	DPrime Happy Target	.020	.558**	-.108	.403	.211	.143	.778**	.045	.519**	1	.253
33	DPrime NonEmotional Distractor	-.195	.489*	.837**	-.338	-.258	.506**	.484*	-.010	-.411*	.253	1
34	DPrime NonEmotional Target	.934**	.132	-.066	.722**	.313	.174	-.028	.821**	.205	-.147	-.071
35	zCorrectRejectionRate Calm Distractor	.052	.363	.578**	.089	-.157	.363	.343	.087	-.127	.233	.660**
36	zCorrectRejectionRate CalmFear	.431*	.229	-.021	.554**	.445*	.335	-.034	.352	.277	.042	-.097
37	zCorrectRejectionRate CalmHappy	.746**	.275	-.001	.367	.226	.180	.303	.769**	.243	.104	.133
38	zCorrectRejectionRate Calm Target	.815**	.268	.006	.513*	.403	.308	.048	.793**	.229	-.080	.010
39	zCorrectRejectionRate Emotional Distractor	.851**	.409*	-.204	.717**	.657**	.347	-.012	.768**	.488*	.119	-.195
40	zCorrectRejectionRate Emotional Target	.478*	.628**	.035	.581**	.627**	.505**	.093	.412*	.352	.387	.094
41	zCorrectRejectionRate FearCalm	.112	.273	.797**	-.067	-.100	.492*	.084	.169	-.172	-.076	.628**
42	zCorrectRejectionRate Fear Distractor	.575**	.336	-.207	.718**	.436*	.216	-.071	.314	.470*	.296	-.181
43	zCorrectRejectionRate FearHappy	.630**	.458*	-.301	.553**	.938**	.459*	-.085	.626**	.550**	.181	-.388
44	zCorrectRejectionRate Fear Target	.530**	.610**	.260	.440*	.713**	.737**	-.040	.556**	.233	.151	.113
45	zCorrectRejectionRate HappyCalm	.022	.394	.018	.275	-.010	.107	.683**	.041	.183	.644**	.408*
46	zCorrectRejectionRate Happy Distractor	.863**	.509**	-.162	.628**	.747**	.450*	.091	.861**	.465*	.191	-.153
47	zCorrectRejectionRate HappyFear	.428*	.200	-.383	.658**	.240	-.088	.078	.218	.688**	.397*	-.277
48	zCorrectRejectionRate Happy Target	.029	.380	-.158	.533**	.071	.022	.486*	-.060	.442*	.739**	.135
49	zCorrectRejectionRate NonEmotional Distractor	.052	.363	.578**	.089	-.157	.363	.343	.087	-.127	.233	.660**
50	zCorrectRejectionRate NonEmotional Target	.815**	.268	.006	.513*	.403	.308	.048	.793**	.229	-.080	.010
51	zFalseAlarmRate Calm Distractor	-.052	-.363	-.578**	-.089	.157	-.363	-.343	-.087	.127	-.233	-.660**
52	zFalseAlarmRate CalmFear	-.431*	-.229	.021	-.554**	-.445*	-.335	.034	-.352	-.277	-.042	.097
53	zFalseAlarmRate CalmHappy	-.746**	-.275	.001	-.367	-.226	-.180	-.303	-.769**	-.243	-.104	-.133
54	zFalseAlarmRate Calm Target	-.815**	-.268	-.006	-.513*	-.403	-.308	-.048	-.793**	-.229	.080	-.010
55	zFalseAlarmRate Emotional Distractor	-.851**	-.409*	.204	-.717**	-.657**	-.347	.012	-.768**	-.488*	-.119	.195

		23	24	25	26	27	28	29	30	31	32	33
56	zFalseAlarmRate Emotional Target	-.478*	-.628**	-.035	-.581**	-.627**	-.505**	-.093	-.412*	-.352	-.387	-.094
57	zFalseAlarmRate FearCalm	-.112	-.273	-.797**	.067	.100	-.492*	-.084	-.169	.172	.076	-.628**
58	zFalseAlarmRate Fear Distractor	-.575**	-.336	.207	-.718**	-.436*	-.216	.071	-.314	-.470*	-.296	.181
59	zFalseAlarmRate FearHappy	-.624**	-.466*	.325	-.551**	-.920**	-.430*	.028	-.616**	-.591**	-.228	.386
60	zFalseAlarmRate Fear Target	-.530**	-.610**	-.260	-.440*	-.713**	-.737**	.040	-.556**	-.233	-.151	-.113
61	zFalseAlarmRate HappyCalm	-.022	-.394	-.018	-.275	.010	-.107	-.683**	-.041	-.183	-.644**	-.408*
62	zFalseAlarmRate Happy Distractor	-.863**	-.509**	.162	-.628**	-.747**	-.450*	-.091	-.861**	-.465*	-.191	.153
63	zFalseAlarmRate HappyFear	-.428*	-.200	.383	-.658**	-.240	.088	-.078	-.218	-.688**	-.397*	.277
64	zFalseAlarmRate Happy Target	-.029	-.380	.158	-.533**	-.071	-.022	-.486*	.060	-.442*	-.739**	-.135
65	zFalseAlarmRate NonEmotional Distractor	-.052	-.363	-.578**	-.089	.157	-.363	-.343	-.087	.127	-.233	-.660**
66	zFalseAlarmRate NonEmotional Target	-.815**	-.268	-.006	-.513*	-.403	-.308	-.048	-.793**	-.229	.080	-.010
67	zHitRate Calm Distractor	-.306	.197	.454*	-.531**	-.165	.218	.213	-.113	-.370	.048	.496*
68	zHitRate CalmFear	.465*	-.033	-.129	.668**	.016	-.084	-.094	-.033	.088	.151	-.179
69	zHitRate CalmHappy	.444*	-.101	.034	-.218	.031	.001	.093	.612**	.043	-.201	.074
70	zHitRate Calm Target	.749**	-.059	-.121	.501*	.114	-.028	-.101	.577**	.111	-.170	-.134
71	zHitRate Emotional Distractor	.742**	.076	-.075	.432*	.249	.101	-.073	.625**	.155	-.115	-.108
72	zHitRate Emotional Target	-.216	.343	.420*	-.409*	.064	.336	.258	.016	-.195	.148	.425*
73	zHitRate FearCalm	-.456*	.266	.520**	-.489*	-.188	.342	-.041	-.313	-.562**	-.073	.511*
74	zHitRate Fear Distractor	.571**	.037	-.271	.641**	.253	-.039	.037	.207	.255	.251	-.285
75	zHitRate FearHappy	.083	.645**	.186	.017	.515*	.608**	.044	.255	-.101	.149	.226
76	zHitRate Fear Target	-.252	.453*	.551**	-.377	-.025	.493*	.074	-.055	-.444*	.013	.583**
77	zHitRate HappyCalm	-.104	.014	.060	-.369	-.097	-.101	.594**	.089	.076	.335	.233
78	zHitRate Happy Distractor	.515**	.208	.129	-.208	.228	.270	.080	.747**	.027	-.165	.181
79	zHitRate HappyFear	-.004	-.015	-.165	-.192	.348	-.011	.149	.204	.335	.111	-.157
80	zHitRate Happy Target	-.011	.269	.056	-.178	.235	.172	.434*	.146	.130	.403*	.172
81	zHitRate NonEmotional Distractor	-.306	.197	.454*	-.531**	-.165	.218	.213	-.113	-.370	.048	.496*
82	zHitRate NonEmotional Target	.749**	-.059	-.121	.501*	.114	-.028	-.101	.577**	.111	-.170	-.134
83	zMissRate Calm Distractor	.306	-.197	-.454*	.531**	.165	-.218	-.213	.113	.370	-.048	-.496*
84	zMissRate CalmFear	-.465*	.033	.129	-.668**	-.016	.084	.094	.033	-.088	-.151	.179

		23	24	25	26	27	28	29	30	31	32	33
85	zMissRate CalmHappy	-.444*	.101	-.034	.218	-.031	-.001	-.093	-.612**	-.043	.201	-.074
86	zMissRate Calm Target	-.749**	.059	.121	-.501*	-.114	.028	.101	-.577**	-.111	.170	.134
87	zMissRate Emotional Distractor	-.742**	-.076	.075	-.432*	-.249	-.101	.073	-.625**	-.155	.115	.108
88	zMissRate Emotional Target	.216	-.343	-.420*	.409*	-.064	-.336	-.258	-.016	.195	-.148	-.425*
89	zMissRate FearCalm	.456*	-.266	-.520**	.489*	.188	-.342	.041	.313	.562**	.073	-.511*
90	zMissRate Fear Distractor	-.571**	-.037	.271	-.641**	-.253	.039	-.037	-.207	-.255	-.251	.285
91	zMissRate FearHappy	-.083	-.645**	-.186	-.017	-.515*	-.608**	-.044	-.255	.101	-.149	-.226
92	zMissRate Fear Target	.252	-.453*	-.551**	.377	.025	-.493*	-.074	.055	.444*	-.013	-.583**
93	zMissRate HappyCalm	.104	-.014	-.060	.369	.097	.101	-.594**	-.089	-.076	-.335	-.233
94	zMissRate Happy Distractor	-.515**	-.208	-.129	.208	-.228	-.270	-.080	-.747**	-.027	.165	-.181
95	zMissRate HappyFear	.004	.015	.165	.192	-.348	.011	-.149	-.204	-.335	-.111	.157
96	zMissRate Happy Target	.011	-.269	-.056	.178	-.235	-.172	-.434*	-.146	-.130	-.403*	-.172
97	zMissRate NonEmotional Distractor	.306	-.197	-.454*	.531**	.165	-.218	-.213	.113	.370	-.048	-.496*
98	zMissRate NonEmotional Target	-.749**	.059	.121	-.501*	-.114	.028	.101	-.577**	-.111	.170	.134
99	zRT AllRuns Hits	.562**	.115	-.094	.254	.320	.025	.191	.527**	.449*	.150	-.093
100	zRT Calm Distractor Hits	.536**	.060	-.105	.255	.252	-.035	.192	.477*	.397*	.131	-.088
101	zRT Calm Target Hits	.549**	.197	-.092	.263	.427*	.100	.248	.549**	.513**	.219	-.082
102	zRT Emotional Distractor Hits	.555**	.147	-.073	.251	.352	.061	.190	.534**	.469*	.166	-.093
103	zRT Emotional Target Hits	.534**	.067	-.080	.240	.247	-.012	.141	.479*	.387	.101	-.097
104	zRT Fear Distractor Hits	.396	.154	-.068	.229	.326	.059	.299	.347	.406*	.388	-.089
105	zRT Fear Target Hits	.539**	.132	-.084	.316	.192	.014	.123	.449*	.341	.147	-.049
106	zRT Happy Distractor Hits	.543**	.191	-.040	.234	.336	.075	.213	.543**	.493*	.186	-.034
107	zRT Happy Target Hits	.555**	.052	-.073	.207	.289	.013	.063	.506**	.352	.008	-.144
108	zRT Hits Calm	.573**	.132	-.111	.265	.353	.030	.235	.546**	.479*	.183	-.086
109	ZRT Hits CalmFear	.429*	.263	-.163	.303	.360	.102	.361	.358	.439*	.531*	-.083
110	ZRT Hits CalmHappy	.549**	.301	.000	.246	.419*	.175	.251	.585**	.526**	.233	.022
111	zRT Hits Fear	.543**	.075	-.102	.260	.273	-.002	.171	.487*	.406*	.139	-.109
112	ZRT Hits FearCalm	.545**	.133	-.075	.352	.183	.014	.163	.441*	.315	.172	-.020
113	ZRT Hits FearHappy	.512*	.125	-.081	.260	.194	.013	.073	.440*	.356	.113	-.079

		23	24	25	26	27	28	29	30	31	32	33
114	zRT Hits Happy	.556**	.127	-.066	.251	.298	.033	.174	.521**	.435*	.140	-.070
115	ZRT Hits HappyCalm	.520**	.074	-.095	.172	.281	-.024	.142	.480*	.401	.086	-.090
116	ZRT Hits HappyFear	.406*	.181	.062	.227	.254	.110	.153	.341	.324	.267	-.042
117	zRT Hits	.562**	.115	-.094	.254	.320	.025	.191	.527**	.449*	.150	-.093
118	zRT Nonemotional Distractor Hits	.536**	.060	-.105	.255	.252	-.035	.192	.477*	.397*	.131	-.088
119	zRT Nonemotional Target Hits	.549**	.197	-.092	.263	.427*	.100	.248	.549**	.513**	.219	-.082
120	Zero Complement Presented Framing Index	-.009	-.070	-.103	.023	-.144	-.197	.128	-.180	-.217	.049	.108
121	Zero Complement Presented Gain Lives	.005	.202	-.019	-.180	.213	.152	.185	.208	.172	.181	.114
122	Zero Complement Presented Gain Lives Signed Confidence	-.060	.188	.044	-.227	.109	.109	.252	.123	.134	.232	.194
123	Zero Complement Presented Gain Risky Choices	.027	.254	.142	-.217	.246	.289	.086	.225	.114	.114	.147
124	Zero Complement Presented Gain Money Risky Choices	.048	.234	.307	-.190	.199	.372	-.078	.168	-.006	-.018	.140
125	Zero Complement Presented Gain Money Signed Confidence	-.019	.216	.335	-.210	.132	.354	-.092	.118	-.037	-.022	.157
126	Zero Complement Presented Gain Signed Confidence	-.050	.240	.207	-.263	.144	.258	.123	.145	.072	.146	.214
127	Zero Complement Presented Lives Framing Index	-.009	-.070	-.103	.023	-.144	-.197	.128	-.180	-.217	.049	.108
128	Zero Complement Presented Lives Signed Confidence Framing Index	.025	-.066	-.155	.099	-.091	-.202	.071	-.194	-.155	.043	.037
129	Zero Complement Presented Loss Lives Risky Choices	-.010	.099	.109	-.087	-.220	-.008	.229	-.054	-.149	.145	.291
130	Zero Complement Presented Loss Lives Signed Confidence	-.089	.003	.047	-.202	-.262	-.093	.180	-.109	-.196	.086	.217
131	Zero Complement Presented Loss Risky Choices	.008	.114	.128	-.116	-.140	.029	.186	-.070	-.219	.111	.299
132	Zero Complement Presented Loss Money Risky Choices	.026	.099	.115	-.116	-.008	.064	.080	-.069	-.238	.039	.221
133	Zero Complement Presented Loss Money Signed Confidence	.014	.094	.086	-.054	.001	.050	.008	-.125	-.203	.030	.164
134	Zero Complement Presented Loss Signed Confidence	-.047	.053	.075	-.152	-.157	-.029	.114	-.134	-.230	.069	.221

		23	24	25	26	27	28	29	30	31	32	33
135	Zero Complement Presented Money Framing Index	-.009	-.070	-.103	.023	-.144	-.197	.128	-.180	-.217	.049	.108
136	Zero Complement Presented Money Signed Confidence Framing Index	.025	-.066	-.155	.099	-.091	-.202	.071	-.194	-.155	.043	.037
137	Zero Complement Presented Signed Confidence Framing Index	.025	-.066	-.155	.099	-.091	-.202	.071	-.194	-.155	.043	.037
138	Framing Index	-.352	-.298	.104	-.231	-.588**	-.414*	.431*	-.436*	-.098	.237	.246
139	Gain Lives Risky Choices	.076	.251	.054	-.150	.088	.153	.206	.220	.093	.168	.230
140	Gain Lives Signed Confidence	.021	.237	.066	-.158	.039	.118	.238	.134	.068	.217	.262
141	Gain Risky Choices	.068	.368	.239	-.112	.098	.318	.071	.153	.004	.136	.295
142	Gain Money Risky Choices	.020	.324	.345	-.001	.057	.365	-.149	-.020	-.118	.019	.220
143	Gain Money Signed Confidence	-.047	.293	.345	-.061	.009	.328	-.143	-.058	-.121	.017	.227
144	Gain Signed Confidence	-.012	.340	.256	-.148	.033	.276	.086	.061	-.022	.164	.319
145	Both Complements Presented Framing Index	-.247	-.271	.257	-.282	-.436*	-.238	.355	-.265	-.058	.098	.211
146	Both Complements Presented Gain Lives Risky Choices	.066	.307	.072	-.131	.064	.174	.154	.209	.116	.221	.236
147	Both Complements Presented Gain Lives Signed Confidence	-.002	.271	.052	-.146	-.015	.096	.208	.103	.099	.280	.264
148	Both Complements Presented Gain Risky Choices	-.095	.373	.144	-.086	-.016	.192	.163	-.017	.050	.325	.267
149	Both Complements Presented Gain Money Risky Choices	-.250	.288	.153	.013	-.108	.130	.102	-.286	-.052	.309	.187
150	Both Complements Presented Gain Money Signed Confidence	-.255	.263	.135	-.067	-.123	.098	.104	-.259	-.049	.283	.179
151	Both Complements Presented Gain Signed Confidence	-.148	.325	.119	-.133	-.082	.118	.193	-.084	.035	.342	.272
152	Both Complements Presented Lives Framing Index	-.359	-.204	.098	-.141	-.466*	-.301	.418*	-.382	-.015	.262	.150
153	Both Complements Presented Lives Signed Confidence Framing Index	-.340	-.249	.091	-.146	-.384	-.255	.351	-.346	-.072	.163	.085
154	Both Complements Presented Loss Lives Risky Choices	-.249	.113	.147	-.249	-.274	-.097	.510**	-.134	.097	.438*	.355



		23	24	25	26	27	28	29	30	31	32	33
174	Nonzero Complement Presented Lives Framing Index	-.475*	-.160	.034	-.265	-.417*	-.301	.263	-.400*	.045	.320	.094
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.467*	-.195	-.012	-.282	-.415*	-.346	.309	-.368	.052	.318	.067
176	Nonzero Complement Presented Loss Lives Risky Choices	-.361	-.032	.103	-.311	-.414*	-.229	.432*	-.253	.016	.348	.300
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.327	-.019	.063	-.291	-.345	-.214	.456*	-.217	.004	.358	.285
178	Nonzero Complement Presented Loss Risky Choices	-.263	-.066	.227	-.234	-.433*	-.181	.350	-.244	.022	.250	.348
179	Nonzero Complement Presented Loss Money Risky Choices	-.068	-.084	.294	-.083	-.305	-.069	.146	-.156	.021	.059	.291
180	Nonzero Complement Presented Loss Money Signed Confidence	-.085	-.080	.332	-.108	-.293	-.032	.087	-.169	-.031	.008	.299
181	Nonzero Complement Presented Loss Signed Confidence	-.243	-.058	.225	-.231	-.379	-.145	.320	-.226	-.016	.216	.343
182	Nonzero Complement Presented Money Framing Index	-.250	-.265	-.022	-.171	-.379	-.359	.407*	-.224	.171	.238	.114
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.207	-.273	-.029	-.160	-.339	-.344	.372	-.184	.134	.189	.089
184	Nonzero Complement Presented Signed Confidence Framing Index	-.368	-.268	-.023	-.235	-.439*	-.390	.387	-.303	.109	.280	.089

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		34	35	36	37	38	39	40	41	42	43	44
1	Criterion	.159	.623**	.744**	.415*	.569**	.703**	.869**	.458*	.867**	.531**	.676**
2	Criterion Calm Distractor	.223	.843**	.529**	.353	.478*	.519**	.748**	.589**	.727**	.144	.519**
3	Criterion CalmFear	.058	.375	.699**	.317	.501*	.451*	.451*	.375	.506*	.398	.519**
4	Criterion CalmHappy	.229	.349	.485*	.562**	.531**	.556**	.545**	.188	.631**	.236	.306
5	Criterion Calm Target	.074	.497*	.656**	.443*	.588**	.561**	.561**	.419*	.620**	.373	.544**
6	Criterion Emotional Distractor	.121	.463*	.675**	.393	.569**	.721**	.790**	.280	.838**	.587**	.638**
7	Criterion Emotional Target	.306	.570**	.625**	.350	.528**	.732**	.895**	.324	.890**	.554**	.635**
8	Criterion FearCalm	.427*	.723**	.581**	.512*	.639**	.550**	.610**	.836**	.563**	.236	.646**
9	Criterion FearDistractor	-.053	.567**	.568**	.294	.529**	.584**	.676**	.393	.763**	.270	.459*
10	Criterion FearHappy	.420*	-.059	.625**	.345	.562**	.782**	.661**	.058	.658**	.919**	.740**
11	Criterion Fear Target	.417*	.363	.686**	.368	.616**	.759**	.718**	.402	.711**	.738**	.840**
12	Criterion HappyCalm	.007	.697**	.405*	.149	.251	.375	.706**	.187	.721**	.049	.293
13	Criterion Happy Distractor	.276	.221	.635**	.407*	.549**	.752**	.732**	.129	.782**	.708**	.652**
14	Criterion HappyFear	.224	.500*	.312	.354	.390	.578**	.745**	.176	.811**	.176	.295
15	Criterion Happy Target	-.051	.614**	.282	.159	.182	.365	.685**	.146	.786**	.006	.199
16	Criterion NonEmotional Distractor	.223	.843**	.529**	.353	.478*	.519**	.748**	.589**	.727**	.144	.519**
17	Criterion NonEmotional Target	.074	.497*	.656**	.443*	.588**	.561**	.561**	.419*	.620**	.373	.544**
18	DPrime	.894**	.162	.451*	.744**	.792**	.757**	.425*	.327	.383	.570**	.596**
19	DPrime Calm Distractor	-.071	.660**	-.097	.133	.010	-.195	.094	.628**	-.181	-.388	.113
20	DPrime CalmFear	.484*	.083	.683**	.256	.412*	.475*	.411*	.114	.580**	.390	.414*
21	DPrime CalmHappy	.837**	.178	.194	.834**	.731**	.532**	.125	.274	.046	.218	.229
22	DPrime Calm Target	1.000**	.131	.389	.819**	.850**	.734**	.304	.231	.432*	.391	.389
23	DPrime Emotional Distractor	.934**	.052	.431*	.746**	.815**	.851**	.478*	.112	.575**	.630**	.530**
24	DPrime Emotional Target	.132	.363	.229	.275	.268	.409*	.628**	.273	.336	.458*	.610**
25	DPrime FearCalm	-.066	.578**	-.021	-.001	.006	-.204	.035	.797**	-.207	-.301	.260
26	DPrime Fear Distractor	.722**	.089	.554**	.367	.513*	.717**	.581**	-.067	.718**	.553**	.440*
27	DPrime FearHappy	.313	-.157	.445*	.226	.403	.657**	.627**	-.100	.436*	.938**	.713**
28	DPrime Fear Target	.174	.363	.335	.180	.308	.347	.505**	.492*	.216	.459*	.737**

		34	35	36	37	38	39	40	41	42	43	44
29	DPrime HappyCalm	-.028	.343	-.034	.303	.048	-.012	.093	.084	-.071	-.085	-.040
30	DPrime Happy Distractor	.821**	.087	.352	.769**	.793**	.768**	.412*	.169	.314	.626**	.556**
31	DPrime HappyFear	.205	-.127	.277	.243	.229	.488*	.352	-.172	.470*	.550**	.233
32	DPrime Happy Target	-.147	.233	.042	.104	-.080	.119	.387	-.076	.296	.181	.151
33	DPrime NonEmotional Distractor	-.071	.660**	-.097	.133	.010	-.195	.094	.628**	-.181	-.388	.113
34	DPrime NonEmotional Target	1	.131	.389	.819**	.850**	.734**	.304	.231	.432*	.391	.389
35	zCorrectRejectionRate Calm Distractor	.131	1	.334	.340	.369	.288	.620**	.799**	.455*	-.119	.456*
36	zCorrectRejectionRate CalmFear	.389	.334	1	.415*	.661**	.669**	.624**	.355	.785**	.570**	.675**
37	zCorrectRejectionRate CalmHappy	.819**	.340	.415*	1	.898**	.746**	.404*	.324	.443*	.303	.358
38	zCorrectRejectionRate Calm Target	.850**	.369	.661**	.898**	1	.892**	.543**	.408*	.703**	.514*	.603**
39	zCorrectRejectionRate Emotional Distractor	.734**	.288	.669**	.746**	.892**	1	.770**	.228	.874**	.770**	.725**
40	zCorrectRejectionRate Emotional Target	.304	.620**	.624**	.404*	.543**	.770**	1	.407*	.850**	.692**	.784**
41	zCorrectRejectionRate FearCalm	.231	.799**	.355	.324	.408*	.228	.407*	1	.223	-.028	.562**
42	zCorrectRejectionRate Fear Distractor	.432*	.455*	.785**	.443*	.703**	.874**	.850**	.223	1	.579**	.607**
43	zCorrectRejectionRate FearHappy	.391	-.119	.570**	.303	.514*	.770**	.692**	-.028	.579**	1	.782**
44	zCorrectRejectionRate Fear Target	.389	.456*	.675**	.358	.603**	.725**	.784**	.562**	.607**	.782**	1
45	zCorrectRejectionRate HappyCalm	-.012	.720**	.235	.293	.214	.268	.575**	.169	.501*	-.021	.191
46	zCorrectRejectionRate Happy Distractor	.735**	.179	.581**	.766**	.859**	.948**	.683**	.188	.654**	.815**	.743**
47	zCorrectRejectionRate HappyFear	.267	.319	.339	.382	.403*	.668**	.730**	.030	.837**	.385	.333
48	zCorrectRejectionRate Happy Target	-.113	.557**	.209	.167	.088	.320	.686**	.054	.740**	.104	.219
49	zCorrectRejectionRate NonEmotional Distractor	.131	1.000**	.334	.340	.369	.288	.620**	.799**	.455*	-.119	.456*
50	zCorrectRejectionRate NonEmotional Target	.850**	.369	.661**	.898**	1.000**	.892**	.543**	.408*	.703**	.514*	.603**
51	zFalseAlarmRate Calm Distractor	-.131	-1.000**	-.334	-.340	-.369	-.288	-.620**	-.799**	-.455*	.119	-.456*
52	zFalseAlarmRate CalmFear	-.389	-.334	-1.000**	-.415*	-.661**	-.669**	-.624**	-.355	-.785**	-.570**	-.675**
53	zFalseAlarmRate CalmHappy	-.819**	-.340	-.415*	-1.000**	-.898**	-.746**	-.404*	-.324	-.443*	-.303	-.358
54	zFalseAlarmRate Calm Target	-.850**	-.369	-.661**	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.514*	-.603**
55	zFalseAlarmRate Emotional Distractor	-.734**	-.288	-.669**	-.746**	-.892**	-1.000**	-.770**	-.228	-.874**	-.770**	-.725**

		34	35	36	37	38	39	40	41	42	43	44
56	zFalseAlarmRate Emotional Target	-.304	-.620**	-.624**	-.404*	-.543**	-.770**	-1.000**	-.407*	-.850**	-.692**	-.784**
57	zFalseAlarmRate FearCalm	-.231	-.799**	-.355	-.324	-.408*	-.228	-.407*	-1.000**	-.223	.028	-.562**
58	zFalseAlarmRate Fear Distractor	-.432*	-.455*	-.785**	-.443*	-.703**	-.874**	-.850**	-.223	-1.000**	-.579**	-.607**
59	zFalseAlarmRate FearHappy	-.380	.111	-.549**	-.300	-.512*	-.769**	-.697**	.050	-.577**	-.978**	-.758**
60	zFalseAlarmRate Fear Target	-.389	-.456*	-.675**	-.358	-.603**	-.725**	-.784**	-.562**	-.607**	-.782**	-1.000**
61	zFalseAlarmRate HappyCalm	.012	-.720**	-.235	-.293	-.214	-.268	-.575**	-.169	-.501*	.021	-.191
62	zFalseAlarmRate Happy Distractor	-.735**	-.179	-.581**	-.766**	-.859**	-.948**	-.683**	-.188	-.654**	-.815**	-.743**
63	zFalseAlarmRate HappyFear	-.267	-.319	-.339	-.382	-.403*	-.668**	-.730**	-.030	-.837**	-.385	-.333
64	zFalseAlarmRate Happy Target	.113	-.557**	-.209	-.167	-.088	-.320	-.686**	-.054	-.740**	-.104	-.219
65	zFalseAlarmRate NonEmotional Distractor	-.131	-1.000**	-.334	-.340	-.369	-.288	-.620**	-.799**	-.455*	.119	-.456*
66	zFalseAlarmRate NonEmotional Target	-.850**	-.369	-.661**	-.898**	-1.000**	-.892**	-.543**	-.408*	-.703**	-.514*	-.603**
67	zHitRate Calm Distractor	-.240	-.324	-.511*	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.380	-.385
68	zHitRate CalmFear	.505*	-.211	-.016	-.029	-.059	.026	-.043	-.182	.034	-.010	-.081
69	zHitRate CalmHappy	.573**	-.046	-.103	.385	.315	.135	-.200	.132	-.408*	.057	.021
70	zHitRate Calm Target	.826**	-.168	-.029	.460*	.405*	.320	-.053	-.033	-.149	.131	.030
71	zHitRate Emotional Distractor	.771**	-.273	-.041	.410*	.352	.280	-.110	-.079	-.235	.201	.043
72	zHitRate Emotional Target	-.222	-.348	-.400	-.185	-.360	-.478*	-.515**	-.117	-.688**	-.205	-.275
73	zHitRate FearCalm	-.438*	-.166	-.539**	-.460*	-.568**	-.664**	-.518**	-.101	-.704**	-.463*	-.362
74	zHitRate Fear Distractor	.558**	-.374	.002	.037	-.040	.063	-.105	-.325	-.074	.212	-.039
75	zHitRate FearHappy	-.079	-.149	-.148	-.110	-.128	-.042	.065	-.214	-.177	.185	.089
76	zHitRate Fear Target	-.250	-.064	-.371	-.201	-.331	-.432*	-.281	-.009	-.484*	-.330	-.224
77	zHitRate HappyCalm	-.034	-.334	-.382	.081	-.174	-.321	-.514*	-.089	-.631**	-.125	-.272
78	zHitRate Happy Distractor	.578**	-.071	-.094	.438*	.363	.199	-.120	.073	-.379	.118	.070
79	zHitRate HappyFear	-.092	-.574**	-.114	-.206	-.273	-.283	-.517**	-.346	-.508*	.283	-.143
80	zHitRate Happy Target	-.054	-.428*	-.234	-.080	-.231	-.268	-.387	-.199	-.572**	.139	-.085
81	zHitRate NonEmotional Distractor	-.240	-.324	-.511*	-.226	-.414*	-.579**	-.598**	-.079	-.765**	-.380	-.385
82	zHitRate NonEmotional Target	.826**	-.168	-.029	.460*	.405*	.320	-.053	-.033	-.149	.131	.030
83	zMissRate Calm Distractor	.240	.324	.511*	.226	.414*	.579**	.598**	.079	.765**	.380	.385
84	zMissRate CalmFear	-.505*	.211	.016	.029	.059	-.026	.043	.182	-.034	.010	.081

		34	35	36	37	38	39	40	41	42	43	44
85	zMissRate CalmHappy	-.573**	.046	.103	-.385	-.315	-.135	.200	-.132	.408*	-.057	-.021
86	zMissRate Calm Target	-.826**	.168	.029	-.460*	-.405*	-.320	.053	.033	.149	-.131	-.030
87	zMissRate Emotional Distractor	-.771**	.273	.041	-.410*	-.352	-.280	.110	.079	.235	-.201	-.043
88	zMissRate Emotional Target	.222	.348	.400	.185	.360	.478*	.515**	.117	.688**	.205	.275
89	zMissRate FearCalm	.438*	.166	.539**	.460*	.568**	.664**	.518**	.101	.704**	.463*	.362
90	zMissRate Fear Distractor	-.558**	.374	-.002	-.037	.040	-.063	.105	.325	.074	-.212	.039
91	zMissRate FearHappy	.079	.149	.148	.110	.128	.042	-.065	.214	.177	-.185	-.089
92	zMissRate Fear Target	.250	.064	.371	.201	.331	.432*	.281	.009	.484*	.330	.224
93	zMissRate HappyCalm	.034	.334	.382	-.081	.174	.321	.514*	.089	.631**	.125	.272
94	zMissRate Happy Distractor	-.578**	.071	.094	-.438*	-.363	-.199	.120	-.073	.379	-.118	-.070
95	zMissRate HappyFear	.092	.574**	.114	.206	.273	.283	.517**	.346	.508*	-.283	.143
96	zMissRate Happy Target	.054	.428*	.234	.080	.231	.268	.387	.199	.572**	-.139	.085
97	zMissRate NonEmotional Distractor	.240	.324	.511*	.226	.414*	.579**	.598**	.079	.765**	.380	.385
98	zMissRate NonEmotional Target	-.826**	.168	.029	-.460*	-.405*	-.320	.053	.033	.149	-.131	-.030
99	zRT AllRuns Hits	.528**	.002	.105	.562**	.471*	.488*	.169	.135	.172	.403	.243
100	zRT Calm Distractor Hits	.521**	-.014	.073	.518**	.416*	.414*	.096	.098	.115	.304	.135
101	zRT Calm Target Hits	.482*	.043	.169	.587**	.518**	.567**	.265	.224	.258	.538**	.355
102	zRT Emotional Distractor Hits	.509**	.011	.118	.565**	.481*	.513**	.207	.232	.200	.447*	.295
103	zRT Emotional Target Hits	.516**	-.019	.058	.511**	.416*	.421*	.115	.122	.125	.309	.171
104	zRT Fear Distractor Hits	.354	-.008	.156	.422*	.339	.384	.179	.214	.162	.438*	.308
105	zRT Fear Target Hits	.511*	.127	.062	.523**	.434*	.498*	.355	.117	.328	.259	.212
106	zRT Happy Distractor Hits	.489*	.035	.073	.566**	.457*	.492*	.200	.214	.203	.395	.238
107	zRT Happy Target Hits	.539**	-.066	.052	.510**	.443*	.437*	.101	.183	.081	.348	.202
108	zRT Hits Calm	.535**	.015	.134	.587**	.495*	.514**	.184	.130	.188	.441*	.256
109	ZRT Hits CalmFear	.348	.129	.215	.462*	.411	.555**	.522*	.172	.371	.514*	.450*
110	ZRT Hits CalmHappy	.471*	.097	.132	.611**	.511**	.557**	.282	.235	.270	.466*	.312
111	zRT Hits Fear	.520**	.008	.113	.537**	.455*	.472*	.172	.141	.179	.373	.243
112	ZRT Hits FearCalm	.527**	.176	.118	.550**	.463*	.513*	.370	.136	.362	.250	.210
113	ZRT Hits FearHappy	.474*	.067	-.006	.472*	.383	.462*	.324	.161	.274	.259	.206

		34	35	36	37	38	39	40	41	42	43	44
114	zRT Hits Happy	.522**	.009	.078	.553**	.452*	.468*	.160	.136	.167	.358	.211
115	ZRT Hits HappyCalm	.491*	-.058	.006	.479*	.387	.387	.072	.135	.047	.314	.124
116	ZRT Hits HappyFear	.373	-.011	.070	.382	.284	.317	.143	.247	.135	.295	.242
117	zRT Hits	.528**	.002	.105	.562**	.471*	.488*	.169	.135	.172	.403	.243
118	zRT Nonemotional Distractor Hits	.521**	-.014	.073	.518**	.416*	.414*	.096	.098	.115	.304	.135
119	zRT Nonemotional Target Hits	.482*	.043	.169	.587**	.518**	.567**	.265	.224	.258	.538**	.355
120	Zero Complement Presented Framing Index	.029	.161	-.076	.053	.052	.052	.082	-.096	.108	-.177	-.204
121	Zero Complement Presented Gain Lives	-.048	.032	.034	-.020	.011	.036	.065	-.001	-.054	.214	.168
122	Zero Complement Presented Gain Lives Signed Confidence	-.094	.093	-.038	-.012	-.030	-.016	.051	.049	-.086	.127	.119
123	Zero Complement Presented Gain Risky Choices	-.028	-.105	-.039	-.053	-.036	-.032	-.050	.083	-.208	.228	.194
124	Zero Complement Presented Gain Money Risky Choices	.009	-.253	-.125	-.078	-.087	-.111	-.188	.165	-.344	.163	.159
125	Zero Complement Presented Gain Money Signed Confidence	-.048	-.223	-.122	-.074	-.103	-.129	-.174	.196	-.296	.106	.146
126	Zero Complement Presented Gain Signed Confidence	-.089	-.053	-.090	-.047	-.074	-.078	-.056	.137	-.213	.142	.157
127	Zero Complement Presented Lives Framing Index	.029	.161	-.076	.053	.052	.052	.082	-.096	.108	-.177	-.204
128	Zero Complement Presented Lives Signed Confidence Framing Index	.039	.078	-.066	-.012	.009	.034	.056	-.167	.087	-.140	-.223
129	Zero Complement Presented Loss Lives Risky Choices	.031	.291	-.194	.068	-.018	-.038	.118	.102	-.010	-.251	-.097
130	Zero Complement Presented Loss Lives Signed Confidence	-.046	.175	-.317	-.021	-.116	-.130	.015	.019	-.132	-.286	-.184
131	Zero Complement Presented Loss Risky Choices	.039	.174	-.211	.042	-.016	-.038	.047	.073	-.080	-.192	-.114
132	Zero Complement Presented Loss Money Risky Choices	.038	-.015	-.171	-.001	-.009	-.027	-.050	.019	-.140	-.070	-.101
133	Zero Complement Presented Loss Money Signed Confidence	.006	-.086	-.167	-.071	-.070	-.063	-.074	-.033	-.134	-.073	-.135
134	Zero Complement Presented Loss Signed Confidence	-.025	.060	-.282	-.051	-.109	-.113	-.031	-.006	-.153	-.213	-.186

		34	35	36	37	38	39	40	41	42	43	44
135	Zero Complement Presented Money Framing Index	.029	.161	-.076	.053	.052	.052	.082	-.096	.108	-.177	-.204
136	Zero Complement Presented Money Signed Confidence Framing Index	.039	.078	-.066	-.012	.009	.034	.056	-.167	.087	-.140	-.223
137	Zero Complement Presented Signed Confidence Framing Index	.039	.078	-.066	-.012	.009	.034	.056	-.167	.087	-.140	-.223
138	Framing Index	-.241	-.036	-.544**	-.288	-.471*	-.575**	-.507**	.010	-.527**	-.628**	-.564**
139	Gain Lives Risky Choices	.049	.256	.011	.136	.141	.158	.237	.093	.097	.095	.167
140	Gain Lives Signed Confidence	-.003	.256	-.030	.098	.076	.100	.211	.078	.066	.053	.125
141	Gain Risky Choices	.023	.188	.050	.144	.155	.176	.246	.208	.140	.096	.213
142	Gain Money Risky Choices	-.024	-.005	.075	.076	.090	.104	.123	.238	.124	.043	.159
143	Gain Money Signed Confidence	-.086	-.003	.038	.046	.047	.058	.094	.235	.108	-.009	.115
144	Gain Signed Confidence	-.052	.180	.000	.097	.082	.105	.205	.199	.109	.033	.156
145	Both Complements Presented Framing Index	-.137	-.155	-.418*	-.218	-.327	-.480*	-.574**	.167	-.585**	-.420*	-.339
146	Both Complements Presented Gain Lives Risky Choices	.019	.273	-.045	.146	.109	.169	.307	.110	.145	.071	.170
147	Both Complements Presented Gain Lives Signed Confidence	-.039	.243	-.119	.092	.020	.082	.244	.042	.092	-.005	.070
148	Both Complements Presented Gain Risky Choices	-.170	.187	-.050	.059	-.009	.080	.279	.097	.203	-.027	.080
149	Both Complements Presented Gain Money Risky Choices	-.324	-.001	-.032	-.073	-.149	-.065	.122	.031	.196	-.135	-.066
150	Both Complements Presented Gain Money Signed Confidence	-.324	-.016	-.088	-.051	-.139	-.064	.095	.021	.154	-.150	-.100
151	Both Complements Presented Gain Signed Confidence	-.212	.146	-.129	.029	-.067	.016	.211	.042	.144	-.091	-.013
152	Both Complements Presented Lives Framing Index	-.300	-.245	-.457*	-.235	-.470*	-.558**	-.573**	-.076	-.509*	-.542**	-.527**
153	Both Complements Presented Lives Signed Confidence Framing Index	-.277	-.226	-.337	-.233	-.396	-.502*	-.553**	.027	-.476*	-.450*	-.421*
154	Both Complements Presented Loss Lives Risky Choices	-.243	.046	-.371	-.066	-.306	-.325	-.208	.040	-.286	-.322	-.298



		34	35	36	37	38	39	40	41	42	43	44
174	Nonzero Complement Presented Lives Framing Index	-.458*	-.271	-.605**	-.429*	-.680**	-.685**	-.520**	-.159	-.637**	-.501*	-.540**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.433*	-.281	-.597**	-.378	-.639**	-.666**	-.539**	-.133	-.633**	-.490*	-.564**
176	Nonzero Complement Presented Loss Lives Risky Choices	-.323	.026	-.531**	-.238	-.464*	-.503*	-.312	-.052	-.435*	-.484*	-.442*
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.288	.056	-.450*	-.186	-.396*	-.436*	-.258	-.029	-.381	-.401	-.383
178	Nonzero Complement Presented Loss Risky Choices	-.195	.099	-.367	-.182	-.309	-.394	-.296	.140	-.329	-.462*	-.354
179	Nonzero Complement Presented Loss Money Risky Choices	.011	.150	-.054	-.061	-.037	-.146	-.183	.312	-.120	-.277	-.142
180	Nonzero Complement Presented Loss Money Signed Confidence	-.004	.117	-.065	-.105	-.069	-.189	-.222	.318	-.172	-.283	-.143
181	Nonzero Complement Presented Loss Signed Confidence	-.173	.102	-.310	-.171	-.274	-.368	-.282	.164	-.320	-.407*	-.310
182	Nonzero Complement Presented Money Framing Index	-.182	.002	-.301	-.275	-.337	-.410*	-.382	.005	-.375	-.370	-.349
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.134	-.036	-.315	-.266	-.323	-.406*	-.402*	-.011	-.417*	-.334	-.335
184	Nonzero Complement Presented Signed Confidence Framing Index	-.306	-.167	-.526**	-.358	-.527**	-.593**	-.525**	-.087	-.565**	-.477*	-.496*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		45	46	47	48	49	50	51	52	53	54	55
1	Criterion	.544**	.575**	.673**	.614**	.623**	.569**	-.623**	-.744**	-.415*	-.569**	-.703**
2	Criterion Calm Distractor	.655**	.346	.619**	.636**	.843**	.478*	-.843**	-.529**	-.353	-.478*	-.519**
3	Criterion CalmFear	.226	.379	.147	.098	.375	.501*	-.375	-.699**	-.317	-.501*	-.451*
4	Criterion CalmHappy	.447*	.509**	.538**	.492*	.349	.531**	-.349	-.485*	-.562**	-.531**	-.556**
5	Criterion Calm Target	.423*	.498*	.354	.339	.497*	.588**	-.497*	-.656**	-.443*	-.588**	-.561**
6	Criterion Emotional Distractor	.466*	.609**	.668**	.553**	.463*	.569**	-.463*	-.675**	-.393	-.569**	-.721**
7	Criterion Emotional Target	.496*	.565**	.801**	.643**	.570**	.528**	-.570**	-.625**	-.350	-.528**	-.732**
8	Criterion FearCalm	.249	.448*	.404	.232	.723**	.639**	-.723**	-.581**	-.512*	-.639**	-.550**
9	Criterion FearDistractor	.461*	.353	.585**	.564**	.567**	.529**	-.567**	-.568**	-.294	-.529**	-.584**
10	Criterion FearHappy	-.030	.769**	.492*	.127	-.059	.562**	.059	-.625**	-.345	-.562**	-.782**
11	Criterion Fear Target	.188	.703**	.548**	.296	.363	.616**	-.363	-.686**	-.368	-.616**	-.759**
12	Criterion HappyCalm	.797**	.185	.571**	.737**	.697**	.251	-.697**	-.405*	-.149	-.251	-.375
13	Criterion Happy Distractor	.307	.725**	.670**	.492*	.221	.549**	-.221	-.635**	-.407*	-.549**	-.752**
14	Criterion HappyFear	.502*	.384	.892**	.739**	.500*	.390	-.500*	-.312	-.354	-.390	-.578**
15	Criterion Happy Target	.710**	.166	.793**	.871**	.614**	.182	-.614**	-.282	-.159	-.182	-.365
16	Criterion NonEmotional Distractor	.655**	.346	.619**	.636**	.843**	.478*	-.843**	-.529**	-.353	-.478*	-.519**
17	Criterion NonEmotional Target	.423*	.498*	.354	.339	.497*	.588**	-.497*	-.656**	-.443*	-.588**	-.561**
18	DPrime	.045	.818**	.271	-.014	.162	.792**	-.162	-.451*	-.744**	-.792**	-.757**
19	DPrime Calm Distractor	.408*	-.153	-.277	.135	.660**	.010	-.660**	.097	-.133	-.010	.195
20	DPrime CalmFear	.098	.424*	.324	.192	.083	.412*	-.083	-.683**	-.256	-.412*	-.475*
21	DPrime CalmHappy	.056	.587**	.103	-.127	.178	.731**	-.178	-.194	-.834**	-.731**	-.532**
22	DPrime Calm Target	-.012	.735**	.267	-.113	.131	.850**	-.131	-.389	-.819**	-.850**	-.734**
23	DPrime Emotional Distractor	.022	.863**	.428*	.029	.052	.815**	-.052	-.431*	-.746**	-.815**	-.851**
24	DPrime Emotional Target	.394	.509**	.200	.380	.363	.268	-.363	-.229	-.275	-.268	-.409*
25	DPrime FearCalm	.018	-.162	-.383	-.158	.578**	.006	-.578**	.021	.001	-.006	.204
26	DPrime Fear Distractor	.275	.628**	.658**	.533**	.089	.513*	-.089	-.554**	-.367	-.513*	-.717**
27	DPrime FearHappy	-.010	.747**	.240	.071	-.157	.403	.157	-.445*	-.226	-.403	-.657**
28	DPrime Fear Target	.107	.450*	-.088	.022	.363	.308	-.363	-.335	-.180	-.308	-.347

		45	46	47	48	49	50	51	52	53	54	55
29	DPrime HappyCalm	.683**	.091	.078	.486*	.343	.048	-.343	.034	-.303	-.048	.012
30	DPrime Happy Distractor	.041	.861**	.218	-.060	.087	.793**	-.087	-.352	-.769**	-.793**	-.768**
31	DPrime HappyFear	.183	.465*	.688**	.442*	-.127	.229	.127	-.277	-.243	-.229	-.488*
32	DPrime Happy Target	.644**	.191	.397*	.739**	.233	-.080	-.233	-.042	-.104	.080	-.119
33	DPrime NonEmotional Distractor	.408*	-.153	-.277	.135	.660**	.010	-.660**	.097	-.133	-.010	.195
34	DPrime NonEmotional Target	-.012	.735**	.267	-.113	.131	.850**	-.131	-.389	-.819**	-.850**	-.734**
35	zCorrectRejectionRate Calm Distractor	.720**	.179	.319	.557**	1.000**	.369	-1.000**	-.334	-.340	-.369	-.288
36	zCorrectRejectionRate CalmFear	.235	.581**	.339	.209	.334	.661**	-.334	-1.000**	-.415*	-.661**	-.669**
37	zCorrectRejectionRate CalmHappy	.293	.766**	.382	.167	.340	.898**	-.340	-.415*	-1.000**	-.898**	-.746**
38	zCorrectRejectionRate Calm Target	.214	.859**	.403*	.088	.369	1.000**	-.369	-.661**	-.898**	-1.000**	-.892**
39	zCorrectRejectionRate Emotional Distractor	.268	.948**	.668**	.320	.288	.892**	-.288	-.669**	-.746**	-.892**	-1.000**
40	zCorrectRejectionRate Emotional Target	.575**	.683**	.730**	.686**	.620**	.543**	-.620**	-.624**	-.404*	-.543**	-.770**
41	zCorrectRejectionRate FearCalm	.169	.188	.030	.054	.799**	.408*	-.799**	-.355	-.324	-.408*	-.228
42	zCorrectRejectionRate Fear Distractor	.501*	.654**	.837**	.740**	.455*	.703**	-.455*	-.785**	-.443*	-.703**	-.874**
43	zCorrectRejectionRate FearHappy	-.021	.815**	.385	.104	-.119	.514*	.119	-.570**	-.303	-.514*	-.770**
44	zCorrectRejectionRate Fear Target	.191	.743**	.333	.219	.456*	.603**	-.456*	-.675**	-.358	-.603**	-.725**
45	zCorrectRejectionRate HappyCalm	1	.192	.467*	.837**	.720**	.214	-.720**	-.235	-.293	-.214	-.268
46	zCorrectRejectionRate Happy Distractor	.192	1	.510**	.217	.179	.859**	-.179	-.581**	-.766**	-.859**	-.948**
47	zCorrectRejectionRate HappyFear	.467*	.510**	1	.768**	.319	.403*	-.319	-.339	-.382	-.403*	-.668**
48	zCorrectRejectionRate Happy Target	.837**	.217	.768**	1	.557**	.088	-.557**	-.209	-.167	-.088	-.320
49	zCorrectRejectionRate NonEmotional Distractor	.720**	.179	.319	.557**	1	.369	-1.000**	-.334	-.340	-.369	-.288
50	zCorrectRejectionRate NonEmotional Target	.214	.859**	.403*	.088	.369	1	-.369	-.661**	-.898**	-1.000**	-.892**
51	zFalseAlarmRate Calm Distractor	-.720**	-.179	-.319	-.557**	-1.000**	-.369	1	.334	.340	.369	.288
52	zFalseAlarmRate CalmFear	-.235	-.581**	-.339	-.209	-.334	-.661**	.334	1	.415*	.661**	.669**
53	zFalseAlarmRate CalmHappy	-.293	-.766**	-.382	-.167	-.340	-.898**	.340	.415*	1	.898**	.746**
54	zFalseAlarmRate Calm Target	-.214	-.859**	-.403*	-.088	-.369	-1.000**	.369	.661**	.898**	1	.892**
55	zFalseAlarmRate Emotional Distractor	-.268	-.948**	-.668**	-.320	-.288	-.892**	.288	.669**	.746**	.892**	1

		45	46	47	48	49	50	51	52	53	54	55
56	zFalseAlarmRate Emotional Target	-.575**	-.683**	-.730**	-.686**	-.620**	-.543**	.620**	.624**	.404*	.543**	.770**
57	zFalseAlarmRate FearCalm	-.169	-.188	-.030	-.054	-.799**	-.408*	.799**	.355	.324	.408*	.228
58	zFalseAlarmRate Fear Distractor	-.501*	-.654**	-.837**	-.740**	-.455*	-.703**	.455*	.785**	.443*	.703**	.874**
59	zFalseAlarmRate FearHappy	-.036	-.808**	-.403	-.135	.111	-.512*	-.111	.549**	.300	.512*	.769**
60	zFalseAlarmRate Fear Target	-.191	-.743**	-.333	-.219	-.456*	-.603**	.456*	.675**	.358	.603**	.725**
61	zFalseAlarmRate HappyCalm	-1.000**	-.192	-.467*	-.837**	-.720**	-.214	.720**	.235	.293	.214	.268
62	zFalseAlarmRate Happy Distractor	-.192	-1.000**	-.510**	-.217	-.179	-.859**	.179	.581**	.766**	.859**	.948**
63	zFalseAlarmRate HappyFear	-.467*	-.510**	-1.000**	-.768**	-.319	-.403*	.319	.339	.382	.403*	.668**
64	zFalseAlarmRate Happy Target	-.837**	-.217	-.768**	-1.000**	-.557**	-.088	.557**	.209	.167	.088	.320
65	zFalseAlarmRate NonEmotional Distractor	-.720**	-.179	-.319	-.557**	-1.000**	-.369	1.000**	.334	.340	.369	.288
66	zFalseAlarmRate NonEmotional Target	-.214	-.859**	-.403*	-.088	-.369	-1.000**	.369	.661**	.898**	1.000**	.892**
67	zHitRate Calm Distractor	-.318	-.400*	-.718**	-.474*	-.324	-.414*	.324	.511*	.226	.414*	.579**
68	zHitRate CalmFear	-.110	.041	.117	.044	-.211	-.059	.211	.016	.029	.059	-.026
69	zHitRate CalmHappy	-.203	.207	-.214	-.381	-.046	.315	.046	.103	-.385	-.315	-.135
70	zHitRate Calm Target	-.249	.356	.031	-.289	-.168	.405*	.168	.029	-.460*	-.405*	-.320
71	zHitRate Emotional Distractor	-.303	.368	-.071	-.357	-.273	.352	.273	.041	-.410*	-.352	-.280
72	zHitRate Emotional Target	-.260	-.263	-.660**	-.409*	-.348	-.360	.348	.400	.185	.360	.478*
73	zHitRate FearCalm	-.208	-.537**	-.682**	-.340	-.166	-.568**	.166	.539**	.460*	.568**	.664**
74	zHitRate Fear Distractor	-.158	.178	.020	-.053	-.374	-.040	.374	-.002	-.037	.040	-.063
75	zHitRate FearHappy	.023	.101	-.271	-.058	-.149	-.128	.149	.148	.110	.128	.042
76	zHitRate Fear Target	-.091	-.308	-.556**	-.251	-.064	-.331	.064	.371	.201	.331	.432*
77	zHitRate HappyCalm	-.185	-.103	-.412*	-.271	-.334	-.174	.334	.382	-.081	.174	.321
78	zHitRate Happy Distractor	-.174	.305	-.259	-.396*	-.071	.363	.071	.094	-.438*	-.363	-.199
79	zHitRate HappyFear	-.407*	-.081	-.455*	-.520**	-.574**	-.273	.574**	.114	.206	.273	.283
80	zHitRate Happy Target	-.231	-.025	-.484*	-.319	-.428*	-.231	.428*	.234	.080	.231	.268
81	zHitRate NonEmotional Distractor	-.318	-.400*	-.718**	-.474*	-.324	-.414*	.324	.511*	.226	.414*	.579**
82	zHitRate NonEmotional Target	-.249	.356	.031	-.289	-.168	.405*	.168	.029	-.460*	-.405*	-.320
83	zMissRate Calm Distractor	.318	.400*	.718**	.474*	.324	.414*	-.324	-.511*	-.226	-.414*	-.579**
84	zMissRate CalmFear	.110	-.041	-.117	-.044	.211	.059	-.211	-.016	-.029	-.059	.026

		45	46	47	48	49	50	51	52	53	54	55
85	zMissRate CalmHappy	.203	-.207	.214	.381	.046	-.315	-.046	-.103	.385	.315	.135
86	zMissRate Calm Target	.249	-.356	-.031	.289	.168	-.405*	-.168	-.029	.460*	.405*	.320
87	zMissRate Emotional Distractor	.303	-.368	.071	.357	.273	-.352	-.273	-.041	.410*	.352	.280
88	zMissRate Emotional Target	.260	.263	.660**	.409*	.348	.360	-.348	-.400	-.185	-.360	-.478*
89	zMissRate FearCalm	.208	.537**	.682**	.340	.166	.568**	-.166	-.539**	-.460*	-.568**	-.664**
90	zMissRate Fear Distractor	.158	-.178	-.020	.053	.374	.040	-.374	.002	.037	-.040	.063
91	zMissRate FearHappy	-.023	-.101	.271	.058	.149	.128	-.149	-.148	-.110	-.128	-.042
92	zMissRate Fear Target	.091	.308	.556**	.251	.064	.331	-.064	-.371	-.201	-.331	-.432*
93	zMissRate HappyCalm	.185	.103	.412*	.271	.334	.174	-.334	-.382	.081	-.174	-.321
94	zMissRate Happy Distractor	.174	-.305	.259	.396*	.071	-.363	-.071	-.094	.438*	.363	.199
95	zMissRate HappyFear	.407*	.081	.455*	.520**	.574**	.273	-.574**	-.114	-.206	-.273	-.283
96	zMissRate Happy Target	.231	.025	.484*	.319	.428*	.231	-.428*	-.234	-.080	-.231	-.268
97	zMissRate NonEmotional Distractor	.318	.400*	.718**	.474*	.324	.414*	-.324	-.511*	-.226	-.414*	-.579**
98	zMissRate NonEmotional Target	.249	-.356	-.031	.289	.168	-.405*	-.168	-.029	.460*	.405*	.320
99	zRT AllRuns Hits	-.055	.517**	.383	.078	.002	.471*	-.002	-.105	-.562**	-.471*	-.488*
100	zRT Calm Distractor Hits	-.050	.430*	.336	.063	-.014	.416*	.014	-.073	-.518**	-.416*	-.414*
101	zRT Calm Target Hits	.041	.613**	.427*	.148	.043	.518**	-.043	-.169	-.587**	-.518**	-.567**
102	zRT Emotional Distractor Hits	-.052	.549**	.402*	.094	.011	.481*	-.011	-.118	-.565**	-.481*	-.513**
103	zRT Emotional Target Hits	-.099	.437*	.346	.045	-.019	.416*	.019	-.058	-.511**	-.416*	-.421*
104	zRT Fear Distractor Hits	-.030	.455*	.327	.198	-.008	.339	.008	-.156	-.422*	-.339	-.384
105	zRT Fear Target Hits	.031	.446*	.503*	.223	.127	.434*	-.127	-.062	-.523**	-.434*	-.498*
106	zRT Happy Distractor Hits	.002	.518**	.420*	.137	.035	.457*	-.035	-.073	-.566**	-.457*	-.492*
107	zRT Happy Target Hits	-.177	.470*	.301	-.055	-.066	.443*	.066	-.052	-.510**	-.443*	-.437*
108	zRT Hits Calm	-.010	.548**	.392	.100	.015	.495*	-.015	-.134	-.587**	-.495*	-.514**
109	ZRT Hits CalmFear	.144	.565**	.497*	.420	.129	.411	-.129	-.215	-.462*	-.411	-.555**
110	ZRT Hits CalmHappy	.102	.601**	.449*	.196	.097	.511**	-.097	-.132	-.611**	-.511**	-.557**
111	zRT Hits Fear	-.072	.489*	.378	.079	.008	.455*	-.008	-.113	-.537**	-.455*	-.472*
112	ZRT Hits FearCalm	.098	.457*	.503*	.263	.176	.463*	-.176	-.118	-.550**	-.463*	-.513*
113	ZRT Hits FearHappy	-.046	.416*	.484*	.169	.067	.383	-.067	.006	-.472*	-.383	-.462*

		45	46	47	48	49	50	51	52	53	54	55
114	zRT Hits Happy	-.053	.491*	.384	.085	.009	.452*	-.009	-.078	-.553**	-.452*	-.468*
115	ZRT Hits HappyCalm	-.108	.417*	.299	-.012	-.058	.387	.058	-.006	-.479*	-.387	-.387
116	ZRT Hits HappyFear	-.111	.379	.310	.152	-.011	.284	.011	-.070	-.382	-.284	-.317
117	zRT Hits	-.055	.517**	.383	.078	.002	.471*	-.002	-.105	-.562**	-.471*	-.488*
118	zRT Nonemotional Distractor Hits	-.050	.430*	.336	.063	-.014	.416*	.014	-.073	-.518**	-.416*	-.414*
119	zRT Nonemotional Target Hits	.041	.613**	.427*	.148	.043	.518**	-.043	-.169	-.587**	-.518**	-.567**
120	Zero Complement Presented Framing Index	.289	-.071	.167	.230	.161	.052	-.161	.076	-.053	-.052	-.052
121	Zero Complement Presented Gain Lives	.050	.071	-.110	-.032	.032	.011	-.032	-.034	.020	-.011	-.036
122	Zero Complement Presented Gain Lives Signed Confidence	.093	.017	-.099	.015	.093	-.030	-.093	.038	.012	.030	.016
123	Zero Complement Presented Gain Risky Choices	-.194	.062	-.267	-.233	-.105	-.036	.105	.039	.053	.036	.032
124	Zero Complement Presented Gain Money Risky Choices	-.455*	.028	-.384	-.423*	-.253	-.087	.253	.125	.078	.087	.111
125	Zero Complement Presented Gain Money Signed Confidence	-.462*	.004	-.335	-.366	-.223	-.103	.223	.122	.074	.103	.129
126	Zero Complement Presented Gain Signed Confidence	-.177	.014	-.242	-.181	-.053	-.074	.053	.090	.047	.074	.078
127	Zero Complement Presented Lives Framing Index	.289	-.071	.167	.230	.161	.052	-.161	.076	-.053	-.052	-.052
128	Zero Complement Presented Lives Signed Confidence Framing Index	.253	-.091	.139	.177	.078	.009	-.078	.066	.012	-.009	-.034
129	Zero Complement Presented Loss Lives Risky Choices	.313	-.131	.072	.201	.291	-.018	-.291	.194	-.068	.018	.038
130	Zero Complement Presented Loss Lives Signed Confidence	.211	-.202	-.014	.104	.175	-.116	-.175	.317	.021	.116	.130
131	Zero Complement Presented Loss Risky Choices	.182	-.112	-.011	.091	.174	-.016	-.174	.211	-.042	.016	.038
132	Zero Complement Presented Loss Money Risky Choices	-.027	-.056	-.105	-.066	-.015	-.009	.015	.171	.001	.009	.027
133	Zero Complement Presented Loss Money Signed Confidence	-.077	-.099	-.106	-.088	-.086	-.070	.086	.167	.071	.070	.063
134	Zero Complement Presented Loss Signed Confidence	.087	-.177	-.066	.015	.060	-.109	-.060	.282	.051	.109	.113

		45	46	47	48	49	50	51	52	53	54	55
135	Zero Complement Presented Money Framing Index	.289	-.071	.167	.230	.161	.052	-.161	.076	-.053	-.052	-.052
136	Zero Complement Presented Money Signed Confidence Framing Index	.253	-.091	.139	.177	.078	.009	-.078	.066	.012	-.009	-.034
137	Zero Complement Presented Signed Confidence Framing Index	.253	-.091	.139	.177	.078	.009	-.078	.066	.012	-.009	-.034
138	Framing Index	.127	-.567**	-.260	.007	-.036	-.471*	.036	.544**	.288	.471*	.575**
139	Gain Lives Risky Choices	.227	.121	.078	.134	.256	.141	-.256	-.011	-.136	-.141	-.158
140	Gain Lives Signed Confidence	.238	.061	.065	.155	.256	.076	-.256	.030	-.098	-.076	-.100
141	Gain Risky Choices	.056	.151	.072	.075	.188	.155	-.188	-.050	-.144	-.155	-.176
142	Gain Money Risky Choices	-.203	.109	.024	-.045	-.005	.090	.005	-.075	-.076	-.090	-.104
143	Gain Money Signed Confidence	-.204	.061	.024	-.029	-.003	.047	.003	-.038	-.046	-.047	-.058
144	Gain Signed Confidence	.050	.079	.060	.094	.180	.082	-.180	.000	-.097	-.082	-.105
145	Both Complements Presented Framing Index	-.104	-.413*	-.441*	-.278	-.155	-.327	.155	.418*	.218	.327	.480*
146	Both Complements Presented Gain Lives Risky Choices	.200	.142	.176	.218	.273	.109	-.273	.045	-.146	-.109	-.169
147	Both Complements Presented Gain Lives Signed Confidence	.219	.045	.155	.236	.243	.020	-.243	.119	-.092	-.020	-.082
148	Both Complements Presented Gain Risky Choices	.167	.059	.213	.306	.187	-.009	-.187	.050	-.059	.009	-.080
149	Both Complements Presented Gain Money Risky Choices	.052	-.069	.164	.278	-.001	-.149	.001	.032	.073	.149	.065
150	Both Complements Presented Gain Money Signed Confidence	.043	-.065	.156	.256	-.016	-.139	.016	.088	.051	.139	.064
151	Both Complements Presented Gain Signed Confidence	.164	-.009	.190	.299	.146	-.067	-.146	.129	-.029	.067	-.016
152	Both Complements Presented Lives Framing Index	.015	-.473*	-.300	-.032	-.245	-.470*	.245	.457*	.235	.470*	.558**
153	Both Complements Presented Lives Signed Confidence Framing Index	-.017	-.410*	-.344	-.093	-.226	-.396	.226	.337	.233	.396	.502*
154	Both Complements Presented Loss Lives Risky Choices	.203	-.277	-.094	.179	.046	-.306	-.046	.371	.066	.306	.325

		45	46	47	48	49	50	51	52	53	54	55
155	Both Complements Presented Loss Lives Signed Confidence	.217	-.284	-.114	.174	.073	-.299	-.073	.342	.091	.299	.320
156	Both Complements Presented Loss Risky Choices	.052	-.312	-.203	.020	.026	-.296	-.026	.329	.141	.296	.354
157	Both Complements Presented Loss Money Risky Choices	-.125	-.234	-.243	-.154	-.006	-.176	.006	.156	.168	.176	.253
158	Both Complements Presented Loss Money Signed Confidence	-.154	-.211	-.214	-.170	-.030	-.151	.030	.150	.156	.151	.214
159	Both Complements Presented Loss Signed Confidence	.028	-.288	-.194	-.005	.023	-.259	-.023	.284	.145	.259	.309
160	Both Complements Presented Money Framing Index	-.176	-.187	-.396*	-.401*	-.005	-.057	.005	.151	.113	.057	.210
161	Both Complements Presented Money Signed Confidence Framing Index	-.204	-.163	-.374	-.421*	-.017	-.029	.017	.085	.117	.029	.167
162	Both Complements Presented Signed Confidence Framing Index	-.155	-.346	-.458*	-.350	-.139	-.243	.139	.268	.214	.243	.401*
163	Money Framing Index	.123	-.335	-.213	-.079	.069	-.187	-.069	.258	.179	.187	.297
164	Money Risky Choices	-.130	-.077	-.093	-.086	.033	-.015	-.033	.057	.024	.015	.061
165	Money Signed Confidence Framing Index	.076	-.310	-.237	-.141	.009	-.176	-.009	.218	.195	.176	.269
166	Money Signed Confidence	-.167	-.103	-.101	-.104	.002	-.046	-.002	.069	.057	.046	.084
167	Nonzero Complement Presented Framing Index	.029	-.543**	-.279	.001	-.153	-.581**	.153	.544**	.403*	.581**	.625**
168	Nonzero Complement Presented Gain Lives Risky Choices	.346	.105	.118	.151	.362	.251	-.362	-.047	-.227	-.251	-.208
169	Nonzero Complement Presented Gain Lives Signed Confidence	.342	.108	.108	.163	.366	.225	-.366	-.082	-.189	-.225	-.209
170	Nonzero Complement Presented Gain Risky Choices	.133	.243	.186	.066	.347	.414*	-.347	-.212	-.329	-.414*	-.365
171	Nonzero Complement Presented Gain Money Risky Choices	-.138	.249	.155	-.049	.155	.357	-.155	-.259	-.258	-.357	-.327
172	Nonzero Complement Presented Gain Money Signed Confidence	-.144	.175	.129	-.042	.153	.280	-.153	-.237	-.184	-.280	-.254
173	Nonzero Complement Presented Gain Signed Confidence	.106	.194	.160	.070	.338	.343	-.338	-.227	-.251	-.343	-.314

		45	46	47	48	49	50	51	52	53	54	55
174	Nonzero Complement Presented Lives Framing Index	-.095	-.551**	-.299	-.010	-.271	-.680**	.271	.605**	.429*	.680**	.685**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.076	-.528**	-.304	-.015	-.281	-.639**	.281	.597**	.378	.639**	.666**
176	Nonzero Complement Presented Loss Lives Risky Choices	.185	-.455*	-.197	.112	.026	-.464*	-.026	.531**	.238	.464*	.503*
177	Nonzero Complement Presented Loss Lives Signed Confidence	.225	-.395	-.188	.127	.056	-.396*	-.056	.450*	.186	.396*	.436*
178	Nonzero Complement Presented Loss Risky Choices	.131	-.398*	-.158	.051	.099	-.309	-.099	.367	.182	.309	.394
179	Nonzero Complement Presented Loss Money Risky Choices	.029	-.208	-.063	-.034	.150	-.037	-.150	.054	.061	.037	.146
180	Nonzero Complement Presented Loss Money Signed Confidence	-.032	-.241	-.151	-.114	.117	-.069	-.117	.065	.105	.069	.189
181	Nonzero Complement Presented Loss Signed Confidence	.114	-.374	-.199	.008	.102	-.274	-.102	.310	.171	.274	.368
182	Nonzero Complement Presented Money Framing Index	.144	-.399*	-.189	.012	.002	-.337	-.002	.301	.275	.337	.410*
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.105	-.380	-.256	-.064	-.036	-.323	.036	.315	.266	.323	.406*
184	Nonzero Complement Presented Signed Confidence Framing Index	.025	-.505**	-.314	-.047	-.167	-.527**	.167	.526**	.358	.527**	.593**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		56	57	58	59	60	61	62	63	64	65	66
1	Criterion	-.869**	-.458*	-.867**	-.523**	-.676**	-.544**	-.575**	-.673**	-.614**	-.623**	-.569**
2	Criterion Calm Distractor	-.748**	-.589**	-.727**	-.153	-.519**	-.655**	-.346	-.619**	-.636**	-.843**	-.478*
3	Criterion CalmFear	-.451*	-.375	-.506*	-.371	-.519**	-.226	-.379	-.147	-.098	-.375	-.501*
4	Criterion CalmHappy	-.545**	-.188	-.631**	-.260	-.306	-.447*	-.509**	-.538**	-.492*	-.349	-.531**
5	Criterion Calm Target	-.561**	-.419*	-.620**	-.385	-.544**	-.423*	-.498*	-.354	-.339	-.497*	-.588**
6	Criterion Emotional Distractor	-.790**	-.280	-.838**	-.593**	-.638**	-.466*	-.609**	-.668**	-.553**	-.463*	-.569**
7	Criterion Emotional Target	-.895**	-.324	-.890**	-.554**	-.635**	-.496*	-.565**	-.801**	-.643**	-.570**	-.528**
8	Criterion FearCalm	-.610**	-.836**	-.563**	-.224	-.646**	-.249	-.448*	-.404	-.232	-.723**	-.639**
9	Criterion FearDistractor	-.676**	-.393	-.763**	-.270	-.459*	-.461*	-.353	-.585**	-.564**	-.567**	-.529**
10	Criterion FearHappy	-.661**	-.058	-.658**	-.895**	-.740**	.030	-.769**	-.492*	-.127	.059	-.562**
11	Criterion Fear Target	-.718**	-.402	-.711**	-.727**	-.840**	-.188	-.703**	-.548**	-.296	-.363	-.616**
12	Criterion HappyCalm	-.706**	-.187	-.721**	-.083	-.293	-.797**	-.185	-.571**	-.737**	-.697**	-.251
13	Criterion Happy Distractor	-.732**	-.129	-.782**	-.706**	-.652**	-.307	-.725**	-.670**	-.492*	-.221	-.549**
14	Criterion HappyFear	-.745**	-.176	-.811**	-.173	-.295	-.502*	-.384	-.892**	-.739**	-.500*	-.390
15	Criterion Happy Target	-.685**	-.146	-.786**	-.014	-.199	-.710**	-.166	-.793**	-.871**	-.614**	-.182
16	Criterion NonEmotional Distractor	-.748**	-.589**	-.727**	-.153	-.519**	-.655**	-.346	-.619**	-.636**	-.843**	-.478*
17	Criterion NonEmotional Target	-.561**	-.419*	-.620**	-.385	-.544**	-.423*	-.498*	-.354	-.339	-.497*	-.588**
18	DPrime	-.425*	-.327	-.383	-.569**	-.596**	-.045	-.818**	-.271	.014	-.162	-.792**
19	DPrime Calm Distractor	-.094	-.628**	.181	.386	-.113	-.408*	.153	.277	-.135	-.660**	-.010
20	DPrime CalmFear	-.411*	-.114	-.580**	-.388	-.414*	-.098	-.424*	-.324	-.192	-.083	-.412*
21	DPrime CalmHappy	-.125	-.274	-.046	-.199	-.229	-.056	-.587**	-.103	.127	-.178	-.731**
22	DPrime Calm Target	-.304	-.231	-.432*	-.380	-.389	.012	-.735**	-.267	.113	-.131	-.850**
23	DPrime Emotional Distractor	-.478*	-.112	-.575**	-.624**	-.530**	-.022	-.863**	-.428*	-.029	-.052	-.815**
24	DPrime Emotional Target	-.628**	-.273	-.336	-.466*	-.610**	-.394	-.509**	-.200	-.380	-.363	-.268
25	DPrime FearCalm	-.035	-.797**	.207	.325	-.260	-.018	.162	.383	.158	-.578**	-.006
26	DPrime Fear Distractor	-.581**	.067	-.718**	-.551**	-.440*	-.275	-.628**	-.658**	-.533**	-.089	-.513*
27	DPrime FearHappy	-.627**	.100	-.436*	-.920**	-.713**	.010	-.747**	-.240	-.071	.157	-.403
28	DPrime Fear Target	-.505**	-.492*	-.216	-.430*	-.737**	-.107	-.450*	.088	-.022	-.363	-.308

		56	57	58	59	60	61	62	63	64	65	66
29	DPrime HappyCalm	-.093	-.084	.071	.028	.040	-.683**	-.091	-.078	-.486*	-.343	-.048
30	DPrime Happy Distractor	-.412*	-.169	-.314	-.616**	-.556**	-.041	-.861**	-.218	.060	-.087	-.793**
31	DPrime HappyFear	-.352	.172	-.470*	-.591**	-.233	-.183	-.465*	-.688**	-.442*	.127	-.229
32	DPrime Happy Target	-.387	.076	-.296	-.228	-.151	-.644**	-.191	-.397*	-.739**	-.233	.080
33	DPrime NonEmotional Distractor	-.094	-.628**	.181	.386	-.113	-.408*	.153	.277	-.135	-.660**	-.010
34	DPrime NonEmotional Target	-.304	-.231	-.432*	-.380	-.389	.012	-.735**	-.267	.113	-.131	-.850**
35	zCorrectRejectionRate Calm Distractor	-.620**	-.799**	-.455*	.111	-.456*	-.720**	-.179	-.319	-.557**	-1.000**	-.369
36	zCorrectRejectionRate CalmFear	-.624**	-.355	-.785**	-.549**	-.675**	-.235	-.581**	-.339	-.209	-.334	-.661**
37	zCorrectRejectionRate CalmHappy	-.404*	-.324	-.443*	-.300	-.358	-.293	-.766**	-.382	-.167	-.340	-.898**
38	zCorrectRejectionRate Calm Target	-.543**	-.408*	-.703**	-.512*	-.603**	-.214	-.859**	-.403*	-.088	-.369	-1.000**
39	zCorrectRejectionRate Emotional Distractor	-.770**	-.228	-.874**	-.769**	-.725**	-.268	-.948**	-.668**	-.320	-.288	-.892**
40	zCorrectRejectionRate Emotional Target	-1.000**	-.407*	-.850**	-.697**	-.784**	-.575**	-.683**	-.730**	-.686**	-.620**	-.543**
41	zCorrectRejectionRate FearCalm	-.407*	-1.000**	-.223	.050	-.562**	-.169	-.188	-.030	-.054	-.799**	-.408*
42	zCorrectRejectionRate Fear Distractor	-.850**	-.223	-1.000**	-.577**	-.607**	-.501*	-.654**	-.837**	-.740**	-.455*	-.703**
43	zCorrectRejectionRate FearHappy	-.692**	.028	-.579**	-.978**	-.782**	.021	-.815**	-.385	-.104	.119	-.514*
44	zCorrectRejectionRate Fear Target	-.784**	-.562**	-.607**	-.758**	-1.000**	-.191	-.743**	-.333	-.219	-.456*	-.603**
45	zCorrectRejectionRate HappyCalm	-.575**	-.169	-.501*	-.036	-.191	-1.000**	-.192	-.467*	-.837**	-.720**	-.214
46	zCorrectRejectionRate Happy Distractor	-.683**	-.188	-.654**	-.808**	-.743**	-.192	-1.000**	-.510**	-.217	-.179	-.859**
47	zCorrectRejectionRate HappyFear	-.730**	-.030	-.837**	-.403	-.333	-.467*	-.510**	-1.000**	-.768**	-.319	-.403*
48	zCorrectRejectionRate Happy Target	-.686**	-.054	-.740**	-.135	-.219	-.837**	-.217	-.768**	-1.000**	-.557**	-.088
49	zCorrectRejectionRate NonEmotional Distractor	-.620**	-.799**	-.455*	.111	-.456*	-.720**	-.179	-.319	-.557**	-1.000**	-.369
50	zCorrectRejectionRate NonEmotional Target	-.543**	-.408*	-.703**	-.512*	-.603**	-.214	-.859**	-.403*	-.088	-.369	-1.000**
51	zFalseAlarmRate Calm Distractor	.620**	.799**	.455*	-.111	.456*	.720**	.179	.319	.557**	1.000**	.369
52	zFalseAlarmRate CalmFear	.624**	.355	.785**	.549**	.675**	.235	.581**	.339	.209	.334	.661**
53	zFalseAlarmRate CalmHappy	.404*	.324	.443*	.300	.358	.293	.766**	.382	.167	.340	.898**
54	zFalseAlarmRate Calm Target	.543**	.408*	.703**	.512*	.603**	.214	.859**	.403*	.088	.369	1.000**
55	zFalseAlarmRate Emotional Distractor	.770**	.228	.874**	.769**	.725**	.268	.948**	.668**	.320	.288	.892**

		56	57	58	59	60	61	62	63	64	65	66
56	zFalseAlarmRate Emotional Target	1	.407*	.850**	.697**	.784**	.575**	.683**	.730**	.686**	.620**	.543**
57	zFalseAlarmRate FearCalm	.407*	1	.223	-.050	.562**	.169	.188	.030	.054	.799**	.408*
58	zFalseAlarmRate Fear Distractor	.850**	.223	1	.577**	.607**	.501*	.654**	.837**	.740**	.455*	.703**
59	zFalseAlarmRate FearHappy	.697**	-.050	.577**	1	.758**	.036	.808**	.403	.135	-.111	.512*
60	zFalseAlarmRate Fear Target	.784**	.562**	.607**	.758**	1	.191	.743**	.333	.219	.456*	.603**
61	zFalseAlarmRate HappyCalm	.575**	.169	.501*	.036	.191	1	.192	.467*	.837**	.720**	.214
62	zFalseAlarmRate Happy Distractor	.683**	.188	.654**	.808**	.743**	.192	1	.510**	.217	.179	.859**
63	zFalseAlarmRate HappyFear	.730**	.030	.837**	.403	.333	.467*	.510**	1	.768**	.319	.403*
64	zFalseAlarmRate Happy Target	.686**	.054	.740**	.135	.219	.837**	.217	.768**	1	.557**	.088
65	zFalseAlarmRate NonEmotional Distractor	.620**	.799**	.455*	-.111	.456*	.720**	.179	.319	.557**	1	.369
66	zFalseAlarmRate NonEmotional Target	.543**	.408*	.703**	.512*	.603**	.214	.859**	.403*	.088	.369	1
67	zHitRate Calm Distractor	.598**	.079	.765**	.386	.385	.318	.400*	.718**	.474*	.324	.414*
68	zHitRate CalmFear	.043	.182	-.034	-.009	.081	.110	-.041	-.117	-.044	.211	.059
69	zHitRate CalmHappy	.200	-.132	.408*	-.027	-.021	.203	-.207	.214	.381	.046	-.315
70	zHitRate Calm Target	.053	.033	.149	-.115	-.030	.249	-.356	-.031	.289	.168	-.405*
71	zHitRate Emotional Distractor	.110	.079	.235	-.192	-.043	.303	-.368	.071	.357	.273	-.352
72	zHitRate Emotional Target	.515**	.117	.688**	.200	.275	.260	.263	.660**	.409*	.348	.360
73	zHitRate FearCalm	.518**	.101	.704**	.473*	.362	.208	.537**	.682**	.340	.166	.568**
74	zHitRate Fear Distractor	.105	.325	.074	-.210	.039	.158	-.178	-.020	.053	.374	.040
75	zHitRate FearHappy	-.065	.214	.177	-.190	-.089	-.023	-.101	.271	.058	.149	.128
76	zHitRate Fear Target	.281	.009	.484*	.341	.224	.091	.308	.556**	.251	.064	.331
77	zHitRate HappyCalm	.514*	.089	.631**	.107	.272	.185	.103	.412*	.271	.334	.174
78	zHitRate Happy Distractor	.120	-.073	.379	-.110	-.070	.174	-.305	.259	.396*	.071	-.363
79	zHitRate HappyFear	.517**	.346	.508*	-.324	.143	.407*	.081	.455*	.520**	.574**	.273
80	zHitRate Happy Target	.387	.199	.572**	-.170	.085	.231	.025	.484*	.319	.428*	.231
81	zHitRate NonEmotional Distractor	.598**	.079	.765**	.386	.385	.318	.400*	.718**	.474*	.324	.414*
82	zHitRate NonEmotional Target	.053	.033	.149	-.115	-.030	.249	-.356	-.031	.289	.168	-.405*
83	zMissRate Calm Distractor	-.598**	-.079	-.765**	-.386	-.385	-.318	-.400*	-.718**	-.474*	-.324	-.414*
84	zMissRate CalmFear	-.043	-.182	.034	.009	-.081	-.110	.041	.117	.044	-.211	-.059

		56	57	58	59	60	61	62	63	64	65	66
85	zMissRate CalmHappy	-.200	.132	-.408*	.027	.021	-.203	.207	-.214	-.381	-.046	.315
86	zMissRate Calm Target	-.053	-.033	-.149	.115	.030	-.249	.356	.031	-.289	-.168	.405*
87	zMissRate Emotional Distractor	-.110	-.079	-.235	.192	.043	-.303	.368	-.071	-.357	-.273	.352
88	zMissRate Emotional Target	-.515**	-.117	-.688**	-.200	-.275	-.260	-.263	-.660**	-.409*	-.348	-.360
89	zMissRate FearCalm	-.518**	-.101	-.704**	-.473*	-.362	-.208	-.537**	-.682**	-.340	-.166	-.568**
90	zMissRate Fear Distractor	-.105	-.325	-.074	.210	-.039	-.158	.178	.020	-.053	-.374	-.040
91	zMissRate FearHappy	.065	-.214	-.177	.190	.089	.023	.101	-.271	-.058	-.149	-.128
92	zMissRate Fear Target	-.281	-.009	-.484*	-.341	-.224	-.091	-.308	-.556**	-.251	-.064	-.331
93	zMissRate HappyCalm	-.514*	-.089	-.631**	-.107	-.272	-.185	-.103	-.412*	-.271	-.334	-.174
94	zMissRate Happy Distractor	-.120	.073	-.379	.110	.070	-.174	.305	-.259	-.396*	-.071	.363
95	zMissRate HappyFear	-.517**	-.346	-.508*	.324	-.143	-.407*	-.081	-.455*	-.520**	-.574**	-.273
96	zMissRate Happy Target	-.387	-.199	-.572**	.170	-.085	-.231	-.025	-.484*	-.319	-.428*	-.231
97	zMissRate NonEmotional Distractor	-.598**	-.079	-.765**	-.386	-.385	-.318	-.400*	-.718**	-.474*	-.324	-.414*
98	zMissRate NonEmotional Target	-.053	-.033	-.149	.115	.030	-.249	.356	.031	-.289	-.168	.405*
99	zRT AllRuns Hits	-.169	-.135	-.172	-.387	-.243	.055	-.517**	-.383	-.078	-.002	-.471*
100	zRT Calm Distractor Hits	-.096	-.098	-.115	-.296	-.135	.050	-.430*	-.336	-.063	.014	-.416*
101	zRT Calm Target Hits	-.265	-.224	-.258	-.515*	-.355	-.041	-.613**	-.427*	-.148	-.043	-.518**
102	zRT Emotional Distractor Hits	-.207	-.232	-.200	-.426*	-.295	.052	-.549**	-.402*	-.094	-.011	-.481*
103	zRT Emotional Target Hits	-.115	-.122	-.125	-.297	-.171	.099	-.437*	-.346	-.045	.019	-.416*
104	zRT Fear Distractor Hits	-.179	-.214	-.162	-.414*	-.308	.030	-.455*	-.327	-.198	.008	-.339
105	zRT Fear Target Hits	-.355	-.117	-.328	-.249	-.212	-.031	-.446*	-.503*	-.223	-.127	-.434*
106	zRT Happy Distractor Hits	-.200	-.214	-.203	-.372	-.238	-.002	-.518**	-.420*	-.137	-.035	-.457*
107	zRT Happy Target Hits	-.101	-.183	-.081	-.338	-.202	.177	-.470*	-.301	.055	.066	-.443*
108	zRT Hits Calm	-.184	-.130	-.188	-.425*	-.256	.010	-.548**	-.392	-.100	-.015	-.495*
109	ZRT Hits CalmFear	-.522*	-.172	-.371	-.498*	-.450*	-.144	-.565**	-.497*	-.420	-.129	-.411
110	ZRT Hits CalmHappy	-.282	-.235	-.270	-.434*	-.312	-.102	-.601**	-.449*	-.196	-.097	-.511**
111	zRT Hits Fear	-.172	-.141	-.179	-.360	-.243	.072	-.489*	-.378	-.079	-.008	-.455*
112	ZRT Hits FearCalm	-.370	-.136	-.362	-.239	-.210	-.098	-.457*	-.503*	-.263	-.176	-.463*
113	ZRT Hits FearHappy	-.324	-.161	-.274	-.249	-.206	.046	-.416*	-.484*	-.169	-.067	-.383

		56	57	58	59	60	61	62	63	64	65	66
114	zRT Hits Happy	-.160	-.136	-.167	-.341	-.211	.053	-.491*	-.384	-.085	-.009	-.452*
115	ZRT Hits HappyCalm	-.072	-.135	-.047	-.312	-.124	.108	-.417*	-.299	.012	.058	-.387
116	ZRT Hits HappyFear	-.143	-.247	-.135	-.266	-.242	.111	-.379	-.310	-.152	.011	-.284
117	zRT Hits	-.169	-.135	-.172	-.387	-.243	.055	-.517**	-.383	-.078	-.002	-.471*
118	zRT Nonemotional Distractor Hits	-.096	-.098	-.115	-.296	-.135	.050	-.430*	-.336	-.063	.014	-.416*
119	zRT Nonemotional Target Hits	-.265	-.224	-.258	-.515*	-.355	-.041	-.613**	-.427*	-.148	-.043	-.518**
120	Zero Complement Presented Framing Index	-.082	.096	-.108	.171	.204	-.289	.071	-.167	-.230	-.161	-.052
121	Zero Complement Presented Gain Lives	-.065	.001	.054	-.190	-.168	-.050	-.071	.110	.032	-.032	-.011
122	Zero Complement Presented Gain Lives Signed Confidence	-.051	-.049	.086	-.099	-.119	-.093	-.017	.099	-.015	-.093	.030
123	Zero Complement Presented Gain Risky Choices	.050	-.083	.208	-.190	-.194	.194	-.062	.267	.233	.105	.036
124	Zero Complement Presented Gain Money Risky Choices	.188	-.165	.344	-.120	-.159	.455*	-.028	.384	.423*	.253	.087
125	Zero Complement Presented Gain Money Signed Confidence	.174	-.196	.296	-.044	-.146	.462*	-.004	.335	.366	.223	.103
126	Zero Complement Presented Gain Signed Confidence	.056	-.137	.213	-.091	-.157	.177	-.014	.242	.181	.053	.074
127	Zero Complement Presented Lives Framing Index	-.082	.096	-.108	.171	.204	-.289	.071	-.167	-.230	-.161	-.052
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.056	.167	-.087	.121	.223	-.253	.091	-.139	-.177	-.078	-.009
129	Zero Complement Presented Loss Lives Risky Choices	-.118	-.102	.010	.244	.097	-.313	.131	-.072	-.201	-.291	.018
130	Zero Complement Presented Loss Lives Signed Confidence	-.015	-.019	.132	.282	.184	-.211	.202	.014	-.104	-.175	.116
131	Zero Complement Presented Loss Risky Choices	-.047	-.073	.080	.202	.114	-.182	.112	.011	-.091	-.174	.016
132	Zero Complement Presented Loss Money Risky Choices	.050	-.019	.140	.095	.101	.027	.056	.105	.066	.015	.009
133	Zero Complement Presented Loss Money Signed Confidence	.074	.033	.134	.099	.135	.077	.099	.106	.088	.086	.070
134	Zero Complement Presented Loss Signed Confidence	.031	.006	.153	.224	.186	-.087	.177	.066	-.015	-.060	.109

		56	57	58	59	60	61	62	63	64	65	66
135	Zero Complement Presented Money Framing Index	-.082	.096	-.108	.171	.204	-.289	.071	-.167	-.230	-.161	-.052
136	Zero Complement Presented Money Signed Confidence Framing Index	-.056	.167	-.087	.121	.223	-.253	.091	-.139	-.177	-.078	-.009
137	Zero Complement Presented Signed Confidence Framing Index	-.056	.167	-.087	.121	.223	-.253	.091	-.139	-.177	-.078	-.009
138	Framing Index	.507**	-.010	.527**	.559**	.564**	-.127	.567**	.260	-.007	.036	.471*
139	Gain Lives Risky Choices	-.237	-.093	-.097	-.084	-.167	-.227	-.121	-.078	-.134	-.256	-.141
140	Gain Lives Signed Confidence	-.211	-.078	-.066	-.037	-.125	-.238	-.061	-.065	-.155	-.256	-.076
141	Gain Risky Choices	-.246	-.208	-.140	-.057	-.213	-.056	-.151	-.072	-.075	-.188	-.155
142	Gain Money Risky Choices	-.123	-.238	-.124	.013	-.159	.203	-.109	-.024	.045	.005	-.090
143	Gain Money Signed Confidence	-.094	-.235	-.108	.066	-.115	.204	-.061	-.024	.029	.003	-.047
144	Gain Signed Confidence	-.205	-.199	-.109	.011	-.156	-.050	-.079	-.060	-.094	-.180	-.082
145	Both Complements Presented Framing Index	.574**	-.167	.585**	.330	.339	.104	.413*	.441*	.278	.155	.327
146	Both Complements Presented Gain Lives Risky Choices	-.307	-.110	-.145	-.035	-.170	-.200	-.142	-.176	-.218	-.273	-.109
147	Both Complements Presented Gain Lives Signed Confidence	-.244	-.042	-.092	.036	-.070	-.219	-.045	-.155	-.236	-.243	-.020
148	Both Complements Presented Gain Risky Choices	-.279	-.097	-.203	.065	-.080	-.167	-.059	-.213	-.306	-.187	.009
149	Both Complements Presented Gain Money Risky Choices	-.122	-.031	-.196	.157	.066	-.052	.069	-.164	-.278	.001	.149
150	Both Complements Presented Gain Money Signed Confidence	-.095	-.021	-.154	.163	.100	-.043	.065	-.156	-.256	.016	.139
151	Both Complements Presented Gain Signed Confidence	-.211	-.042	-.144	.120	.013	-.164	.009	-.190	-.299	-.146	.067
152	Both Complements Presented Lives Framing Index	.573**	.076	.509*	.492*	.527**	-.015	.473*	.300	.032	.245	.470*
153	Both Complements Presented Lives Signed Confidence Framing Index	.553**	-.027	.476*	.385	.421*	.017	.410*	.344	.093	.226	.396
154	Both Complements Presented Loss Lives Risky Choices	.208	-.040	.286	.320	.298	-.203	.277	.094	-.179	-.046	.306

		56	57	58	59	60	61	62	63	64	65	66
155	Both Complements Presented Loss Lives Signed Confidence	.189	-.066	.277	.285	.267	-.217	.284	.114	-.174	-.073	.299
156	Both Complements Presented Loss Risky Choices	.264	-.196	.355	.282	.229	-.052	.312	.203	-.020	-.026	.296
157	Both Complements Presented Loss Money Risky Choices	.225	-.285	.292	.132	.072	.125	.234	.243	.154	.006	.176
158	Both Complements Presented Loss Money Signed Confidence	.209	-.263	.264	.118	.075	.154	.211	.214	.170	.030	.151
159	Both Complements Presented Loss Signed Confidence	.232	-.195	.314	.232	.195	-.028	.288	.194	.005	-.023	.259
160	Both Complements Presented Money Framing Index	.341	-.307	.476*	.007	.019	.176	.187	.396*	.401*	.005	.057
161	Both Complements Presented Money Signed Confidence Framing Index	.311	-.297	.438*	-.028	-.014	.204	.163	.374	.421*	.017	.029
162	Both Complements Presented Signed Confidence Framing Index	.530**	-.240	.544**	.199	.226	.155	.346	.458*	.350	.139	.243
163	Money Framing Index	.330	-.096	.368	.225	.288	-.123	.335	.213	.079	-.069	.187
164	Money Risky Choices	.060	-.269	.080	.124	.002	.130	.077	.093	.086	-.033	.015
165	Money Signed Confidence Framing Index	.321	-.042	.365	.160	.266	-.076	.310	.237	.141	-.009	.176
166	Money Signed Confidence	.075	-.248	.083	.143	.025	.167	.103	.101	.104	-.002	.046
167	Nonzero Complement Presented Framing Index	.516**	.098	.563**	.472*	.508**	-.029	.543**	.279	-.001	.153	.581**
168	Nonzero Complement Presented Gain Lives Risky Choices	-.244	-.135	-.156	-.016	-.108	-.346	-.105	-.118	-.151	-.362	-.251
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.279	-.128	-.173	-.048	-.160	-.342	-.108	-.108	-.163	-.366	-.225
170	Nonzero Complement Presented Gain Risky Choices	-.338	-.332	-.330	-.031	-.251	-.133	-.243	-.186	-.066	-.347	-.414*
171	Nonzero Complement Presented Gain Money Risky Choices	-.254	-.343	-.316	-.030	-.259	.138	-.249	-.155	.049	-.155	-.357
172	Nonzero Complement Presented Gain Money Signed Confidence	-.217	-.341	-.283	.020	-.222	.144	-.175	-.129	.042	-.153	-.280
173	Nonzero Complement Presented Gain Signed Confidence	-.330	-.335	-.316	-.016	-.260	-.106	-.194	-.160	-.070	-.338	-.343

		56	57	58	59	60	61	62	63	64	65	66
174	Nonzero Complement Presented Lives Framing Index	.520**	.159	.637**	.511*	.540**	.095	.551**	.299	.010	.271	.680**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.539**	.133	.633**	.485*	.564**	.076	.528**	.304	.015	.281	.639**
176	Nonzero Complement Presented Loss Lives Risky Choices	.312	.052	.435*	.468*	.442*	-.185	.455*	.197	-.112	-.026	.464*
177	Nonzero Complement Presented Loss Lives Signed Confidence	.258	.029	.381	.383	.383	-.225	.395	.188	-.127	-.056	.396*
178	Nonzero Complement Presented Loss Risky Choices	.296	-.140	.329	.433*	.354	-.131	.398*	.158	-.051	-.099	.309
179	Nonzero Complement Presented Loss Money Risky Choices	.183	-.312	.120	.244	.142	-.029	.208	.063	.034	-.150	.037
180	Nonzero Complement Presented Loss Money Signed Confidence	.222	-.318	.172	.255	.143	.032	.241	.151	.114	-.117	.069
181	Nonzero Complement Presented Loss Signed Confidence	.282	-.164	.320	.380	.310	-.114	.374	.199	-.008	-.102	.274
182	Nonzero Complement Presented Money Framing Index	.382	-.005	.375	.277	.349	-.144	.399*	.189	-.012	-.002	.337
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.402*	.011	.417*	.240	.335	-.105	.380	.256	.064	.036	.323
184	Nonzero Complement Presented Signed Confidence Framing Index	.525**	.087	.565**	.418*	.496*	-.025	.505**	.314	.047	.167	.527**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		67	68	69	70	71	72	73	74	75	76	77
1	Criterion	-.695**	-.403	-.326	-.334	-.426*	-.641**	-.659**	-.424*	-.233	-.429*	-.543**
2	Criterion Calm Distractor	-.783**	-.149	-.113	-.125	-.282	-.764**	-.628**	-.293	-.380	-.503*	-.584**
3	Criterion CalmFear	-.358	-.729**	.002	-.434*	-.444*	-.282	-.411*	-.659**	-.156	-.248	-.250
4	Criterion CalmHappy	-.336	.040	-.548**	-.172	-.201	-.284	-.319	-.070	-.056	-.159	-.236
5	Criterion Calm Target	-.414*	-.598**	-.282	-.501*	-.518**	-.340	-.404	-.608**	-.120	-.243	-.283
6	Criterion Emotional Distractor	-.663**	-.459*	-.337	-.398*	-.463*	-.597**	-.629**	-.460*	-.199	-.464*	-.459*
7	Criterion Emotional Target	-.863**	-.032	-.193	-.033	-.181	-.843**	-.832**	-.155	-.361	-.612**	-.654**
8	Criterion FearCalm	-.548**	-.174	.176	.060	-.056	-.576**	-.630**	-.271	-.511*	-.528**	-.193
9	Criterion FearDistractor	-.601**	-.649**	-.381	-.678**	-.737**	-.605**	-.518*	-.701**	-.273	-.342	-.610**
10	Criterion FearHappy	-.567**	-.039	.078	.131	.116	-.480*	-.706**	.130	-.218	-.627**	-.136
11	Criterion Fear Target	-.725**	-.049	.030	.066	-.020	-.663**	-.782**	-.025	-.358	-.717**	-.308
12	Criterion HappyCalm	-.609**	-.087	-.353	-.256	-.353	-.567**	-.291	-.239	-.006	-.185	-.744**
13	Criterion Happy Distractor	-.602**	.111	-.439*	-.108	-.150	-.519**	-.606**	.082	-.163	-.508**	-.310
14	Criterion HappyFear	-.717**	.114	-.309	-.028	-.189	-.751**	-.624**	-.132	-.341	-.458*	-.592**
15	Criterion Happy Target	-.703**	-.054	-.391	-.284	-.420*	-.685**	-.456*	-.231	-.213	-.363	-.627**
16	Criterion NonEmotional Distractor	-.783**	-.149	-.113	-.125	-.282	-.764**	-.628**	-.293	-.380	-.503*	-.584**
17	Criterion NonEmotional Target	-.414*	-.598**	-.282	-.501*	-.518**	-.340	-.404	-.608**	-.120	-.243	-.283
18	DPrime	-.081	.412	.461*	.705**	.739**	.013	-.279	.510*	.162	-.068	.080
19	DPrime Calm Distractor	.496*	-.179	.074	-.134	-.108	.425*	.511*	-.285	.226	.583**	.233
20	DPrime CalmFear	-.349	.718**	-.146	.403	.396	-.271	-.333	.674**	-.047	-.265	-.292
21	DPrime CalmHappy	-.049	-.078	.830**	.671**	.630**	-.034	-.356	.116	-.098	-.137	.256
22	DPrime Calm Target	-.240	.505*	.573**	.826**	.771**	-.222	-.438*	.558**	-.079	-.250	-.034
23	DPrime Emotional Distractor	-.306	.465*	.444*	.749**	.742**	-.216	-.456*	.571**	.083	-.252	-.104
24	DPrime Emotional Target	.197	-.033	-.101	-.059	.076	.343	.266	.037	.645**	.453*	.014
25	DPrime FearCalm	.454*	-.129	.034	-.121	-.075	.420*	.520**	-.271	.186	.551**	.060
26	DPrime Fear Distractor	-.531**	.668**	-.218	.501*	.432*	-.409*	-.489*	.641**	.017	-.377	-.369
27	DPrime FearHappy	-.165	.016	.031	.114	.249	.064	-.188	.253	.515*	-.025	-.097
28	DPrime Fear Target	.218	-.084	.001	-.028	.101	.336	.342	-.039	.608**	.493*	-.101

		67	68	69	70	71	72	73	74	75	76	77
29	DPrime HappyCalm	.213	-.094	.093	-.101	-.073	.258	-.041	.037	.044	.074	.594**
30	DPrime Happy Distractor	-.113	-.033	.612**	.577**	.625**	.016	-.313	.207	.255	-.055	.089
31	DPrime HappyFear	-.370	.088	.043	.111	.155	-.195	-.562**	.255	-.101	-.444*	.076
32	DPrime Happy Target	.048	.151	-.201	-.170	-.115	.148	-.073	.251	.149	.013	.335
33	DPrime NonEmotional Distractor	.496*	-.179	.074	-.134	-.108	.425*	.511*	-.285	.226	.583**	.233
34	DPrime NonEmotional Target	-.240	.505*	.573**	.826**	.771**	-.222	-.438*	.558**	-.079	-.250	-.034
35	zCorrectRejectionRate Calm Distractor	-.324	-.211	-.046	-.168	-.273	-.348	-.166	-.374	-.149	-.064	-.334
36	zCorrectRejectionRate CalmFear	-.511*	-.016	-.103	-.029	-.041	-.400	-.539**	.002	-.148	-.371	-.382
37	zCorrectRejectionRate CalmHappy	-.226	-.029	.385	.460*	.410*	-.185	-.460*	.037	-.110	-.201	.081
38	zCorrectRejectionRate Calm Target	-.414*	-.059	.315	.405*	.352	-.360	-.568**	-.040	-.128	-.331	-.174
39	zCorrectRejectionRate Emotional Distractor	-.579**	.026	.135	.320	.280	-.478*	-.664**	.063	-.042	-.432*	-.321
40	zCorrectRejectionRate Emotional Target	-.598**	-.043	-.200	-.053	-.110	-.515**	-.518**	-.105	.065	-.281	-.514*
41	zCorrectRejectionRate FearCalm	-.079	-.182	.132	-.033	-.079	-.117	-.101	-.325	-.214	-.009	-.089
42	zCorrectRejectionRate Fear Distractor	-.765**	.034	-.408*	-.149	-.235	-.688**	-.704**	-.074	-.177	-.484*	-.631**
43	zCorrectRejectionRate FearHappy	-.380	-.010	.057	.131	.201	-.205	-.463*	.212	.185	-.330	-.125
44	zCorrectRejectionRate Fear Target	-.385	-.081	.021	.030	.043	-.275	-.362	-.039	.089	-.224	-.272
45	zCorrectRejectionRate HappyCalm	-.318	-.110	-.203	-.249	-.303	-.260	-.208	-.158	.023	-.091	-.185
46	zCorrectRejectionRate Happy Distractor	-.400*	.041	.207	.356	.368	-.263	-.537**	.178	.101	-.308	-.103
47	zCorrectRejectionRate HappyFear	-.718**	.117	-.214	.031	-.071	-.660**	-.682**	.020	-.271	-.556**	-.412*
48	zCorrectRejectionRate Happy Target	-.474*	.044	-.381	-.289	-.357	-.409*	-.340	-.053	-.058	-.251	-.271
49	zCorrectRejectionRate NonEmotional Distractor	-.324	-.211	-.046	-.168	-.273	-.348	-.166	-.374	-.149	-.064	-.334
50	zCorrectRejectionRate NonEmotional Target	-.414*	-.059	.315	.405*	.352	-.360	-.568**	-.040	-.128	-.331	-.174
51	zFalseAlarmRate Calm Distractor	.324	.211	.046	.168	.273	.348	.166	.374	.149	.064	.334
52	zFalseAlarmRate CalmFear	.511*	.016	.103	.029	.041	.400	.539**	-.002	.148	.371	.382
53	zFalseAlarmRate CalmHappy	.226	.029	-.385	-.460*	-.410*	.185	.460*	-.037	.110	.201	-.081
54	zFalseAlarmRate Calm Target	.414*	.059	-.315	-.405*	-.352	.360	.568**	.040	.128	.331	.174
55	zFalseAlarmRate Emotional Distractor	.579**	-.026	-.135	-.320	-.280	.478*	.664**	-.063	.042	.432*	.321

		67	68	69	70	71	72	73	74	75	76	77
56	zFalseAlarmRate Emotional Target	.598**	.043	.200	.053	.110	.515**	.518**	.105	-.065	.281	.514*
57	zFalseAlarmRate FearCalm	.079	.182	-.132	.033	.079	.117	.101	.325	.214	.009	.089
58	zFalseAlarmRate Fear Distractor	.765**	-.034	.408*	.149	.235	.688**	.704**	.074	.177	.484*	.631**
59	zFalseAlarmRate FearHappy	.386	-.009	-.027	-.115	-.192	.200	.473*	-.210	-.190	.341	.107
60	zFalseAlarmRate Fear Target	.385	.081	-.021	-.030	-.043	.275	.362	.039	-.089	.224	.272
61	zFalseAlarmRate HappyCalm	.318	.110	.203	.249	.303	.260	.208	.158	-.023	.091	.185
62	zFalseAlarmRate Happy Distractor	.400*	-.041	-.207	-.356	-.368	.263	.537**	-.178	-.101	.308	.103
63	zFalseAlarmRate HappyFear	.718**	-.117	.214	-.031	.071	.660**	.682**	-.020	.271	.556**	.412*
64	zFalseAlarmRate Happy Target	.474*	-.044	.381	.289	.357	.409*	.340	.053	.058	.251	.271
65	zFalseAlarmRate NonEmotional Distractor	.324	.211	.046	.168	.273	.348	.166	.374	.149	.064	.334
66	zFalseAlarmRate NonEmotional Target	.414*	.059	-.315	-.405*	-.352	.360	.568**	.040	.128	.331	.174
67	zHitRate Calm Distractor	1	.009	.146	.025	.179	.938**	.870**	.083	.472*	.809**	.665**
68	zHitRate CalmFear	.009	1	-.093	.834**	.777**	.007	.046	.925**	.070	-.018	-.009
69	zHitRate CalmHappy	.146	-.093	1	.657**	.639**	.129	-.129	.138	-.053	-.026	.347
70	zHitRate Calm Target	.025	.834**	.657**	1	.962**	-.001	-.155	.882**	-.002	-.079	.132
71	zHitRate Emotional Distractor	.179	.777**	.639**	.962**	1	.216	-.012	.878**	.207	.091	.235
72	zHitRate Emotional Target	.938**	.007	.129	-.001	.216	1	.867**	.174	.687**	.838**	.637**
73	zHitRate FearCalm	.870**	.046	-.129	-.155	-.012	.867**	1	.010	.613**	.934**	.222
74	zHitRate Fear Distractor	.083	.925**	.138	.882**	.878**	.174	.010	1	.204	-.006	.219
75	zHitRate FearHappy	.472*	.070	-.053	-.002	.207	.687**	.613**	.204	1	.745**	.037
76	zHitRate Fear Target	.809**	-.018	-.026	-.079	.091	.838**	.934**	-.006	.745**	1	.203
77	zHitRate HappyCalm	.665**	-.009	.347	.132	.235	.637**	.222	.219	.037	.203	1
78	zHitRate Happy Distractor	.310	-.126	.876**	.614**	.688**	.374	.112	.119	.354	.299	.297
79	zHitRate HappyFear	.480*	-.050	.453*	.172	.385	.631**	.231	.286	.300	.172	.632**
80	zHitRate Happy Target	.711**	.163	.235	.154	.323	.764**	.376	.376	.323	.358	.839**
81	zHitRate NonEmotional Distractor	1.000**	.009	.146	.025	.179	.938**	.870**	.083	.472*	.809**	.665**
82	zHitRate NonEmotional Target	.025	.834**	.657**	1.000**	.962**	-.001	-.155	.882**	-.002	-.079	.132
83	zMissRate Calm Distractor	-1.000**	-.009	-.146	-.025	-.179	-.938**	-.870**	-.083	-.472*	-.809**	-.665**
84	zMissRate CalmFear	-.009	-1.000**	.093	-.834**	-.777**	-.007	-.046	-.925**	-.070	.018	.009

		67	68	69	70	71	72	73	74	75	76	77
85	zMissRate CalmHappy	-.146	.093	-1.000**	-.657**	-.639**	-.129	.129	-.138	.053	.026	-.347
86	zMissRate Calm Target	-.025	-.834**	-.657**	-1.000**	-.962**	.001	.155	-.882**	.002	.079	-.132
87	zMissRate Emotional Distractor	-.179	-.777**	-.639**	-.962**	-1.000**	-.216	.012	-.878**	-.207	-.091	-.235
88	zMissRate Emotional Target	-.938**	-.007	-.129	.001	-.216	-1.000**	-.867**	-.174	-.687**	-.838**	-.637**
89	zMissRate FearCalm	-.870**	-.046	.129	.155	.012	-.867**	-1.000**	-.010	-.613**	-.934**	-.222
90	zMissRate Fear Distractor	-.083	-.925**	-.138	-.882**	-.878**	-.174	-.010	-1.000**	-.204	.006	-.219
91	zMissRate FearHappy	-.472*	-.070	.053	.002	-.207	-.687**	-.613**	-.204	-1.000**	-.745**	-.037
92	zMissRate Fear Target	-.809**	.018	.026	.079	-.091	-.838**	-.934**	.006	-.745**	-1.000**	-.203
93	zMissRate HappyCalm	-.665**	.009	-.347	-.132	-.235	-.637**	-.222	-.219	-.037	-.203	-1.000**
94	zMissRate Happy Distractor	-.310	.126	-.876**	-.614**	-.688**	-.374	-.112	-.119	-.354	-.299	-.297
95	zMissRate HappyFear	-.480*	.050	-.453*	-.172	-.385	-.631**	-.231	-.286	-.300	-.172	-.632**
96	zMissRate Happy Target	-.711**	-.163	-.235	-.154	-.323	-.764**	-.376	-.376	-.323	-.358	-.839**
97	zMissRate NonEmotional Distractor	-1.000**	-.009	-.146	-.025	-.179	-.938**	-.870**	-.083	-.472*	-.809**	-.665**
98	zMissRate NonEmotional Target	-.025	-.834**	-.657**	-1.000**	-.962**	.001	.155	-.882**	.002	.079	-.132
99	zRT AllRuns Hits	-.120	.074	.382	.413*	.404*	-.078	-.346	.174	-.089	-.275	.316
100	zRT Calm Distractor Hits	-.095	.170	.393	.459*	.452*	-.050	-.311	.238	-.038	-.226	.309
101	zRT Calm Target Hits	-.153	-.069	.309	.282	.280	-.103	-.471*	.093	-.120	-.314	.287
102	zRT Emotional Distractor Hits	-.130	.024	.356	.368	.361	-.088	-.451*	.138	-.108	-.292	.311
103	zRT Emotional Target Hits	-.100	.147	.389	.451*	.440*	-.065	-.305	.206	-.063	-.237	.297
104	zRT Fear Distractor Hits	-.102	.047	.117	.147	.140	-.052	-.444*	.150	-.146	-.321	.417*
105	zRT Fear Target Hits	-.210	.142	.339	.427*	.375	-.225	-.304	.123	-.097	-.246	.161
106	zRT Happy Distractor Hits	-.083	-.013	.380	.360	.365	-.031	-.370	.112	-.024	-.198	.284
107	zRT Happy Target Hits	-.105	.132	.377	.462*	.457*	-.064	-.381	.207	-.042	-.242	.277
108	zRT Hits Calm	-.126	.050	.381	.398*	.392	-.077	-.367	.173	-.088	-.285	.325
109	ZRT Hits CalmFear	-.264	-.016	.001	.060	-.001	-.261	-.550**	.069	-.230	-.428*	.411
110	ZRT Hits CalmHappy	-.084	-.110	.319	.271	.293	-.009	-.331	.054	.036	-.150	.226
111	zRT Hits Fear	-.147	.107	.368	.416*	.390	-.125	-.368	.175	-.148	-.316	.307
112	ZRT Hits FearCalm	-.228	.175	.319	.422*	.366	-.240	-.316	.141	-.100	-.244	.135
113	ZRT Hits FearHappy	-.182	.097	.348	.415*	.370	-.200	-.363	.097	-.090	-.238	.184

		67	68	69	70	71	72	73	74	75	76	77
114	zRT Hits Happy	-.099	.092	.384	.423*	.419*	-.053	-.302	.176	-.041	-.224	.291
115	ZRT Hits HappyCalm	-.040	.107	.366	.442*	.453*	-.005	-.344	.208	.012	-.194	.310
116	ZRT Hits HappyFear	-.041	.137	.131	.237	.249	.024	-.263	.175	.001	-.157	.315
117	zRT Hits	-.120	.074	.382	.413*	.404*	-.078	-.346	.174	-.089	-.275	.316
118	zRT Nonemotional Distractor Hits	-.095	.170	.393	.459*	.452*	-.050	-.311	.238	-.038	-.226	.309
119	zRT Nonemotional Target Hits	-.153	-.069	.309	.282	.280	-.103	-.471*	.093	-.120	-.314	.287
120	Zero Complement Presented Framing Index	-.049	.129	-.275	-.005	-.083	-.176	-.033	-.086	.030	-.022	-.139
121	Zero Complement Presented Gain Lives	.106	-.404	.284	-.095	-.037	.144	-.031	-.199	.075	.002	.203
122	Zero Complement Presented Gain Lives Signed Confidence	.137	-.404	.224	-.130	-.088	.145	.003	-.230	-.005	.003	.250
123	Zero Complement Presented Gain Risky Choices	.307	-.298	.307	-.010	.090	.341	.117	-.081	.132	.168	.332
124	Zero Complement Presented Gain Money Risky Choices	.469*	-.043	.228	.109	.231	.485*	.273	.107	.162	.332	.397
125	Zero Complement Presented Gain Money Signed Confidence	.456*	-.100	.186	.026	.130	.448*	.276	.026	.114	.324	.385
126	Zero Complement Presented Gain Signed Confidence	.330	-.329	.249	-.075	.008	.332	.147	-.143	.056	.171	.366
127	Zero Complement Presented Lives Framing Index	-.049	.129	-.275	-.005	-.083	-.176	-.033	-.086	.030	-.022	-.139
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.044	.238	-.310	.058	.003	-.140	-.018	.046	.088	-.005	-.179
129	Zero Complement Presented Loss Lives Risky Choices	.030	-.026	.054	.072	.031	-.034	.036	-.114	-.003	.113	-.035
130	Zero Complement Presented Loss Lives Signed Confidence	.071	-.081	.068	.045	.003	-.015	.052	-.144	-.034	.103	.012
131	Zero Complement Presented Loss Risky Choices	.175	.041	-.034	.085	.063	.069	.109	-.078	.078	.189	.059
132	Zero Complement Presented Loss Money Risky Choices	.295	.106	-.127	.075	.082	.170	.163	-.012	.149	.223	.155
133	Zero Complement Presented Loss Money Signed Confidence	.306	.184	-.202	.085	.105	.193	.188	.071	.185	.246	.110
134	Zero Complement Presented Loss Signed Confidence	.210	.053	-.068	.074	.059	.096	.132	-.049	.081	.197	.066

		67	68	69	70	71	72	73	74	75	76	77
135	Zero Complement Presented Money Framing Index	-.049	.129	-.275	-.005	-.083	-.176	-.033	-.086	.030	-.022	-.139
136	Zero Complement Presented Money Signed Confidence Framing Index	-.044	.238	-.310	.058	.003	-.140	-.018	.046	.088	-.005	-.179
137	Zero Complement Presented Signed Confidence Framing Index	-.044	.238	-.310	.058	.003	-.140	-.018	.046	.088	-.005	-.179
138	Framing Index	.352	.349	.063	.085	.091	.284	.158	.250	-.115	.129	.445*
139	Gain Lives Risky Choices	-.006	-.405	.212	-.066	-.063	-.010	-.043	-.322	.014	.006	.035
140	Gain Lives Signed Confidence	.034	-.363	.148	-.086	-.089	.006	-.002	-.299	-.020	.010	.070
141	Gain Risky Choices	.154	-.317	.000	-.126	-.100	.108	.099	-.315	.041	.184	.042
142	Gain Money Risky Choices	.284	-.016	-.283	-.138	-.096	.208	.231	-.138	.056	.322	.028
143	Gain Money Signed Confidence	.289	-.083	-.286	-.200	-.160	.210	.236	-.207	.047	.326	.040
144	Gain Signed Confidence	.193	-.311	-.062	-.178	-.157	.127	.140	-.331	.013	.197	.073
145	Both Complements Presented Framing Index	.445*	.270	.197	.112	.162	.395	.189	.242	-.198	.092	.598**
146	Both Complements Presented Gain Lives Risky Choices	-.019	-.400	.157	-.084	-.095	-.033	-.036	-.347	.006	.031	-.006
147	Both Complements Presented Gain Lives Signed Confidence	.053	-.342	.110	-.090	-.108	.004	.026	-.311	-.030	.048	.052
148	Both Complements Presented Gain Risky Choices	.120	-.307	-.199	-.284	-.276	.074	.100	-.346	.021	.174	.045
149	Both Complements Presented Gain Money Risky Choices	.236	-.027	-.546**	-.403*	-.375	.171	.209	-.197	.028	.272	.086
150	Both Complements Presented Gain Money Signed Confidence	.244	-.111	-.504*	-.414*	-.386	.175	.193	-.266	.021	.270	.101
151	Both Complements Presented Gain Signed Confidence	.174	-.293	-.221	-.297	-.292	.104	.138	-.349	-.007	.187	.093
152	Both Complements Presented Lives Framing Index	.472*	.403	-.025	-.018	.057	.467*	.269	.360	.018	.244	.545**
153	Both Complements Presented Lives Signed Confidence Framing Index	.369	.364	-.035	-.057	.020	.393	.112	.316	.026	.174	.490*
154	Both Complements Presented Loss Lives Risky Choices	.393	-.137	.127	-.096	-.041	.376	.185	-.041	.019	.243	.476*

		67	68	69	70	71	72	73	74	75	76	77
155	Both Complements Presented Loss Lives Signed Confidence	.354	-.163	.088	-.141	-.098	.322	.122	-.092	-.015	.192	.456*
156	Both Complements Presented Loss Risky Choices	.495*	-.069	.001	-.148	-.096	.412*	.213	-.080	-.118	.232	.578**
157	Both Complements Presented Loss Money Risky Choices	.419*	.024	-.132	-.148	-.119	.297	.165	-.091	-.213	.135	.463*
158	Both Complements Presented Loss Money Signed Confidence	.433*	-.007	-.102	-.124	-.085	.315	.168	-.119	-.151	.180	.424*
159	Both Complements Presented Loss Signed Confidence	.461*	-.092	-.013	-.154	-.107	.372	.168	-.124	-.102	.217	.517**
160	Both Complements Presented Money Framing Index	.238	.053	.331	.191	.197	.165	-.008	.058	-.272	-.091	.405*
161	Both Complements Presented Money Signed Confidence Framing Index	.231	.101	.365	.257	.271	.170	-.002	.108	-.196	-.063	.346
162	Both Complements Presented Signed Confidence Framing Index	.370	.266	.238	.150	.204	.341	.078	.239	-.153	.053	.517**
163	Money Framing Index	.165	.151	.174	.110	.091	.091	-.042	.080	-.191	-.089	.346
164	Money Risky Choices	.366	.059	-.181	-.074	-.044	.252	.197	-.090	-.042	.264	.217
165	Money Signed Confidence Framing Index	.162	.241	.181	.198	.194	.109	-.024	.187	-.108	-.064	.276
166	Money Signed Confidence	.380	.034	-.195	-.098	-.059	.271	.218	-.110	-.005	.298	.189
167	Nonzero Complement Presented Framing Index	.327	.214	.182	-.012	.042	.354	.154	.273	-.055	.108	.483*
168	Nonzero Complement Presented Gain Lives Risky Choices	-.093	-.305	.137	.001	-.031	-.124	-.051	-.310	-.039	-.021	-.087
169	Nonzero Complement Presented Gain Lives Signed Confidence	-.097	-.271	.075	-.017	-.045	-.131	-.036	-.280	-.020	-.028	-.108
170	Nonzero Complement Presented Gain Risky Choices	-.036	-.205	-.066	.008	-.029	-.126	.029	-.340	-.043	.104	-.252
171	Nonzero Complement Presented Gain Money Risky Choices	.037	.020	-.225	.009	-.013	-.062	.094	-.186	-.023	.170	-.277
172	Nonzero Complement Presented Gain Money Signed Confidence	.069	-.013	-.253	-.056	-.068	-.024	.130	-.215	.003	.205	-.260
173	Nonzero Complement Presented Gain Signed Confidence	-.010	-.185	-.138	-.051	-.077	-.099	.071	-.332	-.011	.132	-.259

		67	68	69	70	71	72	73	74	75	76	77
174	Nonzero Complement Presented Lives Framing Index	.431*	.236	.057	-.066	.007	.452*	.280	.324	.059	.261	.457*
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.409*	.183	.102	-.067	-.003	.437*	.169	.294	.035	.226	.497*
176	Nonzero Complement Presented Loss Lives Risky Choices	.348	-.053	.166	-.063	-.018	.342	.244	.034	.023	.238	.377
177	Nonzero Complement Presented Loss Lives Signed Confidence	.294	-.094	.159	-.077	-.042	.291	.144	.002	.013	.185	.365
178	Nonzero Complement Presented Loss Risky Choices	.323	.049	.145	-.007	.023	.284	.175	.028	-.086	.195	.331
179	Nonzero Complement Presented Loss Money Risky Choices	.193	.144	.075	.059	.062	.129	.043	.013	-.180	.084	.173
180	Nonzero Complement Presented Loss Money Signed Confidence	.241	.154	.076	.067	.086	.180	.096	.036	-.129	.138	.160
181	Nonzero Complement Presented Loss Signed Confidence	.314	.035	.138	-.006	.025	.277	.139	.022	-.068	.190	.309
182	Nonzero Complement Presented Money Framing Index	.142	.130	.260	.045	.067	.169	-.043	.169	-.161	-.069	.387
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.154	.171	.304	.112	.141	.185	-.031	.231	-.135	-.065	.381
184	Nonzero Complement Presented Signed Confidence Framing Index	.305	.203	.238	.034	.084	.339	.086	.286	-.062	.077	.490*

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		78	79	80	81	82	83	84	85	86	87	88
1	Criterion	-.301	-.561**	-.540**	-.695**	-.334	.695**	.403	.326	.334	.426*	.641**
2	Criterion Calm Distractor	-.223	-.647**	-.686**	-.783**	-.125	.783**	.149	.113	.125	.282	.764**
3	Criterion CalmFear	.028	-.033	-.263	-.358	-.434*	.358	.729**	-.002	.434*	.444*	.282
4	Criterion CalmHappy	-.388	-.481*	-.283	-.336	-.172	.336	-.040	.548**	.172	.201	.284
5	Criterion Calm Target	-.199	-.316	-.355	-.414*	-.501*	.414*	.598**	.282	.501*	.518**	.340
6	Criterion Emotional Distractor	-.313	-.451*	-.480*	-.663**	-.398*	.663**	.459*	.337	.398*	.463*	.597**
7	Criterion Emotional Target	-.269	-.649**	-.640**	-.863**	-.033	.863**	.032	.193	.033	.181	.843**
8	Criterion FearCalm	-.005	-.408	-.367	-.548**	.060	.548**	.174	-.176	-.060	.056	.576**
9	Criterion FearDistractor	-.348	-.549**	-.653**	-.601**	-.678**	.601**	.649**	.381	.678**	.737**	.605**
10	Criterion FearHappy	-.026	.164	.008	-.567**	.131	.567**	.039	-.078	-.131	-.116	.480*
11	Criterion Fear Target	-.116	-.199	-.260	-.725**	.066	.725**	.049	-.030	-.066	.020	.663**
12	Criterion HappyCalm	-.303	-.659**	-.673**	-.609**	-.256	.609**	.087	.353	.256	.353	.567**
13	Criterion Happy Distractor	-.435*	-.358	-.246	-.602**	-.108	.602**	-.111	.439*	.108	.150	.519**
14	Criterion HappyFear	-.360	-.809**	-.720**	-.717**	-.028	.717**	-.114	.309	.028	.189	.751**
15	Criterion Happy Target	-.439*	-.756**	-.744**	-.703**	-.284	.703**	.054	.391	.284	.420*	.685**
16	Criterion NonEmotional Distractor	-.223	-.647**	-.686**	-.783**	-.125	.783**	.149	.113	.125	.282	.764**
17	Criterion NonEmotional Target	-.199	-.316	-.355	-.414*	-.501*	.414*	.598**	.282	.501*	.518**	.340
18	DPrime	.557**	.120	.171	-.081	.705**	.081	-.412	-.461*	-.705**	-.739**	-.013
19	DPrime Calm Distractor	.181	-.157	.172	.496*	-.134	-.496*	.179	-.074	.134	.108	-.425*
20	DPrime CalmFear	-.160	-.125	-.059	-.349	.403	.349	-.718**	.146	-.403	-.396	.271
21	DPrime CalmHappy	.788**	.151	.092	-.049	.671**	.049	.078	-.830**	-.671**	-.630**	.034
22	DPrime Calm Target	.578**	-.092	-.054	-.240	.826**	.240	-.505*	-.573**	-.826**	-.771**	.222
23	DPrime Emotional Distractor	.515**	-.004	-.011	-.306	.749**	.306	-.465*	-.444*	-.749**	-.742**	.216
24	DPrime Emotional Target	.208	-.015	.269	.197	-.059	-.197	.033	.101	.059	-.076	-.343
25	DPrime FearCalm	.129	-.165	.056	.454*	-.121	-.454*	.129	-.034	.121	.075	-.420*
26	DPrime Fear Distractor	-.208	-.192	-.178	-.531**	.501*	.531**	-.668**	.218	-.501*	-.432*	.409*
27	DPrime FearHappy	.228	.348	.235	-.165	.114	.165	-.016	-.031	-.114	-.249	-.064
28	DPrime Fear Target	.270	-.011	.172	.218	-.028	-.218	.084	-.001	.028	-.101	-.336

		78	79	80	81	82	83	84	85	86	87	88
29	DPrime HappyCalm	.080	.149	.434*	.213	-.101	-.213	.094	-.093	.101	.073	-.258
30	DPrime Happy Distractor	.747**	.204	.146	-.113	.577**	.113	.033	-.612**	-.577**	-.625**	-.016
31	DPrime HappyFear	.027	.335	.130	-.370	.111	.370	-.088	-.043	-.111	-.155	.195
32	DPrime Happy Target	-.165	.111	.403*	.048	-.170	-.048	-.151	.201	.170	.115	-.148
33	DPrime NonEmotional Distractor	.181	-.157	.172	.496*	-.134	-.496*	.179	-.074	.134	.108	-.425*
34	DPrime NonEmotional Target	.578**	-.092	-.054	-.240	.826**	.240	-.505*	-.573**	-.826**	-.771**	.222
35	zCorrectRejectionRate Calm Distractor	-.071	-.574**	-.428*	-.324	-.168	.324	.211	.046	.168	.273	.348
36	zCorrectRejectionRate CalmFear	-.094	-.114	-.234	-.511*	-.029	.511*	.016	.103	.029	.041	.400
37	zCorrectRejectionRate CalmHappy	.438*	-.206	-.080	-.226	.460*	.226	.029	-.385	-.460*	-.410*	.185
38	zCorrectRejectionRate Calm Target	.363	-.273	-.231	-.414*	.405*	.414*	.059	-.315	-.405*	-.352	.360
39	zCorrectRejectionRate Emotional Distractor	.199	-.283	-.268	-.579**	.320	.579**	-.026	-.135	-.320	-.280	.478*
40	zCorrectRejectionRate Emotional Target	-.120	-.517**	-.387	-.598**	-.053	.598**	.043	.200	.053	.110	.515**
41	zCorrectRejectionRate FearCalm	.073	-.346	-.199	-.079	-.033	.079	.182	-.132	.033	.079	.117
42	zCorrectRejectionRate Fear Distractor	-.379	-.508*	-.572**	-.765**	-.149	.765**	-.034	.408*	.149	.235	.688**
43	zCorrectRejectionRate FearHappy	.118	.283	.139	-.380	.131	.380	.010	-.057	-.131	-.201	.205
44	zCorrectRejectionRate Fear Target	.070	-.143	-.085	-.385	.030	.385	.081	-.021	-.030	-.043	.275
45	zCorrectRejectionRate HappyCalm	-.174	-.407*	-.231	-.318	-.249	.318	.110	.203	.249	.303	.260
46	zCorrectRejectionRate Happy Distractor	.305	-.081	-.025	-.400*	.356	.400*	-.041	-.207	-.356	-.368	.263
47	zCorrectRejectionRate HappyFear	-.259	-.455*	-.484*	-.718**	.031	.718**	-.117	.214	-.031	.071	.660**
48	zCorrectRejectionRate Happy Target	-.396*	-.520**	-.319	-.474*	-.289	.474*	-.044	.381	.289	.357	.409*
49	zCorrectRejectionRate NonEmotional Distractor	-.071	-.574**	-.428*	-.324	-.168	.324	.211	.046	.168	.273	.348
50	zCorrectRejectionRate NonEmotional Target	.363	-.273	-.231	-.414*	.405*	.414*	.059	-.315	-.405*	-.352	.360
51	zFalseAlarmRate Calm Distractor	.071	.574**	.428*	.324	.168	-.324	-.211	-.046	-.168	-.273	-.348
52	zFalseAlarmRate CalmFear	.094	.114	.234	.511*	.029	-.511*	-.016	-.103	-.029	-.041	-.400
53	zFalseAlarmRate CalmHappy	-.438*	.206	.080	.226	-.460*	-.226	-.029	.385	.460*	.410*	-.185
54	zFalseAlarmRate Calm Target	-.363	.273	.231	.414*	-.405*	-.414*	-.059	.315	.405*	.352	-.360
55	zFalseAlarmRate Emotional Distractor	-.199	.283	.268	.579**	-.320	-.579**	.026	.135	.320	.280	-.478*

		78	79	80	81	82	83	84	85	86	87	88
56	zFalseAlarmRate Emotional Target	.120	.517**	.387	.598**	.053	-.598**	-.043	-.200	-.053	-.110	-.515**
57	zFalseAlarmRate FearCalm	-.073	.346	.199	.079	.033	-.079	-.182	.132	-.033	-.079	-.117
58	zFalseAlarmRate Fear Distractor	.379	.508*	.572**	.765**	.149	-.765**	.034	-.408*	-.149	-.235	-.688**
59	zFalseAlarmRate FearHappy	-.110	-.324	-.170	.386	-.115	-.386	.009	.027	.115	.192	-.200
60	zFalseAlarmRate Fear Target	-.070	.143	.085	.385	-.030	-.385	-.081	.021	.030	.043	-.275
61	zFalseAlarmRate HappyCalm	.174	.407*	.231	.318	.249	-.318	-.110	-.203	-.249	-.303	-.260
62	zFalseAlarmRate Happy Distractor	-.305	.081	.025	.400*	-.356	-.400*	.041	.207	.356	.368	-.263
63	zFalseAlarmRate HappyFear	.259	.455*	.484*	.718**	-.031	-.718**	.117	-.214	.031	-.071	-.660**
64	zFalseAlarmRate Happy Target	.396*	.520**	.319	.474*	.289	-.474*	.044	-.381	-.289	-.357	-.409*
65	zFalseAlarmRate NonEmotional Distractor	.071	.574**	.428*	.324	.168	-.324	-.211	-.046	-.168	-.273	-.348
66	zFalseAlarmRate NonEmotional Target	-.363	.273	.231	.414*	-.405*	-.414*	-.059	.315	.405*	.352	-.360
67	zHitRate Calm Distractor	.310	.480*	.711**	1.000**	.025	-1.000**	-.009	-.146	-.025	-.179	-.938**
68	zHitRate CalmFear	-.126	-.050	.163	.009	.834**	-.009	-1.000**	.093	-.834**	-.777**	-.007
69	zHitRate CalmHappy	.876**	.453*	.235	.146	.657**	-.146	.093	-1.000**	-.657**	-.639**	-.129
70	zHitRate Calm Target	.614**	.172	.154	.025	1.000**	-.025	-.834**	-.657**	-1.000**	-.962**	.001
71	zHitRate Emotional Distractor	.688**	.385	.323	.179	.962**	-.179	-.777**	-.639**	-.962**	-1.000**	-.216
72	zHitRate Emotional Target	.374	.631**	.764**	.938**	-.001	-.938**	-.007	-.129	.001	-.216	-1.000**
73	zHitRate FearCalm	.112	.231	.376	.870**	-.155	-.870**	-.046	.129	.155	.012	-.867**
74	zHitRate Fear Distractor	.119	.286	.376	.083	.882**	-.083	-.925**	-.138	-.882**	-.878**	-.174
75	zHitRate FearHappy	.354	.300	.323	.472*	-.002	-.472*	-.070	.053	.002	-.207	-.687**
76	zHitRate Fear Target	.299	.172	.358	.809**	-.079	-.809**	.018	.026	.079	-.091	-.838**
77	zHitRate HappyCalm	.297	.632**	.839**	.665**	.132	-.665**	.009	-.347	-.132	-.235	-.637**
78	zHitRate Happy Distractor	1	.491*	.307	.310	.614**	-.310	.126	-.876**	-.614**	-.688**	-.374
79	zHitRate HappyFear	.491*	1	.793**	.480*	.172	-.480*	.050	-.453*	-.172	-.385	-.631**
80	zHitRate Happy Target	.307	.793**	1	.711**	.154	-.711**	-.163	-.235	-.154	-.323	-.764**
81	zHitRate NonEmotional Distractor	.310	.480*	.711**	1	.025	-1.000**	-.009	-.146	-.025	-.179	-.938**
82	zHitRate NonEmotional Target	.614**	.172	.154	.025	1	-.025	-.834**	-.657**	-1.000**	-.962**	.001
83	zMissRate Calm Distractor	-.310	-.480*	-.711**	-1.000**	-.025	1	.009	.146	.025	.179	.938**
84	zMissRate CalmFear	.126	.050	-.163	-.009	-.834**	.009	1	-.093	.834**	.777**	.007

		78	79	80	81	82	83	84	85	86	87	88
85	zMissRate CalmHappy	-.876**	-.453*	-.235	-.146	-.657**	.146	-.093	1	.657**	.639**	.129
86	zMissRate Calm Target	-.614**	-.172	-.154	-.025	-1.000**	.025	.834**	.657**	1	.962**	-.001
87	zMissRate Emotional Distractor	-.688**	-.385	-.323	-.179	-.962**	.179	.777**	.639**	.962**	1	.216
88	zMissRate Emotional Target	-.374	-.631**	-.764**	-.938**	.001	.938**	.007	.129	-.001	.216	1
89	zMissRate FearCalm	-.112	-.231	-.376	-.870**	.155	.870**	.046	-.129	-.155	-.012	.867**
90	zMissRate Fear Distractor	-.119	-.286	-.376	-.083	-.882**	.083	.925**	.138	.882**	.878**	.174
91	zMissRate FearHappy	-.354	-.300	-.323	-.472*	.002	.472*	.070	-.053	-.002	.207	.687**
92	zMissRate Fear Target	-.299	-.172	-.358	-.809**	.079	.809**	-.018	-.026	-.079	.091	.838**
93	zMissRate HappyCalm	-.297	-.632**	-.839**	-.665**	-.132	.665**	-.009	.347	.132	.235	.637**
94	zMissRate Happy Distractor	-1.000**	-.491*	-.307	-.310	-.614**	.310	-.126	.876**	.614**	.688**	.374
95	zMissRate HappyFear	-.491*	-1.000**	-.793**	-.480*	-.172	.480*	-.050	.453*	.172	.385	.631**
96	zMissRate Happy Target	-.307	-.793**	-1.000**	-.711**	-.154	.711**	.163	.235	.154	.323	.764**
97	zMissRate NonEmotional Distractor	-.310	-.480*	-.711**	-1.000**	-.025	1.000**	.009	.146	.025	.179	.938**
98	zMissRate NonEmotional Target	-.614**	-.172	-.154	-.025	-1.000**	.025	.834**	.657**	1.000**	.962**	-.001
99	zRT AllRuns Hits	.311	.078	.105	-.120	.413*	.120	-.074	-.382	-.413*	-.404*	.078
100	zRT Calm Distractor Hits	.332	.074	.098	-.095	.459*	.095	-.170	-.393	-.459*	-.452*	.050
101	zRT Calm Target Hits	.226	.095	.107	-.153	.282	.153	.069	-.309	-.282	-.280	.103
102	zRT Emotional Distractor Hits	.282	.074	.105	-.130	.368	.130	-.024	-.356	-.368	-.361	.088
103	zRT Emotional Target Hits	.327	.047	.082	-.100	.451*	.100	-.147	-.389	-.451*	-.440*	.065
104	zRT Fear Distractor Hits	-.028	.073	.227	-.102	.147	.102	-.047	-.117	-.147	-.140	.052
105	zRT Fear Target Hits	.268	-.305	-.087	-.210	.427*	.210	-.142	-.339	-.427*	-.375	.225
106	zRT Happy Distractor Hits	.339	.080	.076	-.083	.360	.083	.013	-.380	-.360	-.365	.031
107	zRT Happy Target Hits	.333	.070	.086	-.105	.462*	.105	-.132	-.377	-.462*	-.457*	.064
108	zRT Hits Calm	.306	.104	.121	-.126	.398*	.126	-.050	-.381	-.398*	-.392	.077
109	ZRT Hits CalmFear	-.161	-.098	.207	-.264	.060	.264	.016	-.001	-.060	.001	.261
110	ZRT Hits CalmHappy	.310	.080	.062	-.084	.271	.084	.110	-.319	-.271	-.293	.009
111	zRT Hits Fear	.273	.027	.088	-.147	.416*	.147	-.107	-.368	-.416*	-.390	.125
112	ZRT Hits FearCalm	.239	-.349	-.106	-.228	.422*	.228	-.175	-.319	-.422*	-.366	.240
113	ZRT Hits FearHappy	.291	-.240	-.063	-.182	.415*	.182	-.097	-.348	-.415*	-.370	.200

		78	79	80	81	82	83	84	85	86	87	88
114	zRT Hits Happy	.333	.057	.081	-.099	.423*	.099	-.092	-.384	-.423*	-.419*	.053
115	ZRT Hits HappyCalm	.347	.138	.137	-.040	.442*	.040	-.107	-.366	-.442*	-.453*	.005
116	ZRT Hits HappyFear	.073	-.005	.137	-.041	.237	.041	-.137	-.131	-.237	-.249	-.024
117	zRT Hits	.311	.078	.105	-.120	.413*	.120	-.074	-.382	-.413*	-.404*	.078
118	zRT Nonemotional Distractor Hits	.332	.074	.098	-.095	.459*	.095	-.170	-.393	-.459*	-.452*	.050
119	zRT Nonemotional Target Hits	.226	.095	.107	-.153	.282	.153	.069	-.309	-.282	-.280	.103
120	Zero Complement Presented Framing Index	-.244	-.481*	-.243	-.049	-.005	.049	-.129	.275	.005	.083	.176
121	Zero Complement Presented Gain Lives	.297	.354	.298	.106	-.095	-.106	.404	-.284	.095	.037	-.144
122	Zero Complement Presented Gain Lives Signed Confidence	.209	.292	.306	.137	-.130	-.137	.404	-.224	.130	.088	-.145
123	Zero Complement Presented Gain Risky Choices	.341	.487*	.477*	.307	-.010	-.307	.298	-.307	.010	-.090	-.341
124	Zero Complement Presented Gain Money Risky Choices	.278	.493*	.548**	.469*	.109	-.469*	.043	-.228	-.109	-.231	-.485*
125	Zero Complement Presented Gain Money Signed Confidence	.215	.387	.466*	.456*	.026	-.456*	.100	-.186	-.026	-.130	-.448*
126	Zero Complement Presented Gain Signed Confidence	.254	.401	.451*	.330	-.075	-.330	.329	-.249	.075	-.008	-.332
127	Zero Complement Presented Lives Framing Index	-.244	-.481*	-.243	-.049	-.005	.049	-.129	.275	.005	.083	.176
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.243	-.369	-.180	-.044	.058	.044	-.238	.310	-.058	-.003	.140
129	Zero Complement Presented Loss Lives Risky Choices	.070	-.273	-.069	.030	.072	-.030	.026	-.054	-.072	-.031	.034
130	Zero Complement Presented Loss Lives Signed Confidence	.060	-.220	-.021	.071	.045	-.071	.081	-.068	-.045	-.003	.015
131	Zero Complement Presented Loss Risky Choices	.014	-.252	.033	.175	.085	-.175	-.041	.034	-.085	-.063	-.069
132	Zero Complement Presented Loss Money Risky Choices	-.056	-.152	.145	.295	.075	-.295	-.106	.127	-.075	-.082	-.170
133	Zero Complement Presented Loss Money Signed Confidence	-.104	-.108	.163	.306	.085	-.306	-.184	.202	-.085	-.105	-.193
134	Zero Complement Presented Loss Signed Confidence	-.020	-.193	.076	.210	.074	-.210	-.053	.068	-.074	-.059	-.096

		78	79	80	81	82	83	84	85	86	87	88
135	Zero Complement Presented Money Framing Index	-.244	-.481*	-.243	-.049	-.005	.049	-.129	.275	.005	.083	.176
136	Zero Complement Presented Money Signed Confidence Framing Index	-.243	-.369	-.180	-.044	.058	.044	-.238	.310	-.058	-.003	.140
137	Zero Complement Presented Signed Confidence Framing Index	-.243	-.369	-.180	-.044	.058	.044	-.238	.310	-.058	-.003	.140
138	Framing Index	-.075	.213	.324	.352	.085	-.352	-.349	-.063	-.085	-.091	-.284
139	Gain Lives Risky Choices	.254	.018	.055	-.006	-.066	.006	.405	-.212	.066	.063	.010
140	Gain Lives Signed Confidence	.170	.002	.095	.034	-.086	-.034	.363	-.148	.086	.089	-.006
141	Gain Risky Choices	.090	-.088	.090	.154	-.126	-.154	.317	.000	.126	.100	-.108
142	Gain Money Risky Choices	-.179	-.182	.087	.284	-.138	-.284	.016	.283	.138	.096	-.208
143	Gain Money Signed Confidence	-.187	-.189	.063	.289	-.200	-.289	.083	.286	.200	.160	-.210
144	Gain Signed Confidence	.011	-.108	.104	.193	-.178	-.193	.311	.062	.178	.157	-.127
145	Both Complements Presented Framing Index	.043	.501*	.516**	.445*	.112	-.445*	-.270	-.197	-.112	-.162	-.395
146	Both Complements Presented Gain Lives Risky Choices	.206	-.086	.016	-.019	-.084	.019	.400	-.157	.084	.095	.033
147	Both Complements Presented Gain Lives Signed Confidence	.135	-.082	.074	.053	-.090	-.053	.342	-.110	.090	.108	-.004
148	Both Complements Presented Gain Risky Choices	-.109	-.234	.043	.120	-.284	-.120	.307	.199	.284	.276	-.074
149	Both Complements Presented Gain Money Risky Choices	-.446*	-.337	.057	.236	-.403*	-.236	.027	.546**	.403*	.375	-.171
150	Both Complements Presented Gain Money Signed Confidence	-.400*	-.312	.050	.244	-.414*	-.244	.111	.504*	.414*	.386	-.175
151	Both Complements Presented Gain Signed Confidence	-.145	-.223	.076	.174	-.297	-.174	.293	.221	.297	.292	-.104
152	Both Complements Presented Lives Framing Index	-.097	.382	.412*	.472*	-.018	-.472*	-.403	.025	.018	-.057	-.467*
153	Both Complements Presented Lives Signed Confidence Framing Index	-.113	.364	.356	.369	-.057	-.369	-.364	.035	.057	-.020	-.393
154	Both Complements Presented Loss Lives Risky Choices	.112	.238	.374	.393	-.096	-.393	.137	-.127	.096	.041	-.376



		78	79	80	81	82	83	84	85	86	87	88
174	Nonzero Complement Presented Lives Framing Index	-.029	.488*	.463*	.431*	-.066	-.431*	-.236	-.057	.066	-.007	-.452*
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.000	.498*	.467*	.409*	-.067	-.409*	-.183	-.102	.067	.003	-.437*
176	Nonzero Complement Presented Loss Lives Risky Choices	.121	.275	.338	.348	-.063	-.348	.053	-.166	.063	.018	-.342
177	Nonzero Complement Presented Loss Lives Signed Confidence	.109	.245	.331	.294	-.077	-.294	.094	-.159	.077	.042	-.291
178	Nonzero Complement Presented Loss Risky Choices	.063	.228	.282	.323	-.007	-.323	-.049	-.145	.007	-.023	-.284
179	Nonzero Complement Presented Loss Money Risky Choices	-.021	.110	.129	.193	.059	-.193	-.144	-.075	-.059	-.062	-.129
180	Nonzero Complement Presented Loss Money Signed Confidence	-.001	.161	.166	.241	.067	-.241	-.154	-.076	-.067	-.086	-.180
181	Nonzero Complement Presented Loss Signed Confidence	.064	.236	.292	.314	-.006	-.314	-.035	-.138	.006	-.025	-.277
182	Nonzero Complement Presented Money Framing Index	.103	.452*	.319	.142	.045	-.142	-.130	-.260	-.045	-.067	-.169
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.153	.496*	.353	.154	.112	-.154	-.171	-.304	-.112	-.141	-.185
184	Nonzero Complement Presented Signed Confidence Framing Index	.094	.551**	.458*	.305	.034	-.305	-.203	-.238	-.034	-.084	-.339

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		89	90	91	92	93	94	95	96	97	98	99
1	Criterion	.659**	.424*	.233	.429*	.543**	.301	.561**	.540**	.695**	.334	-.009
2	Criterion Calm Distractor	.628**	.293	.380	.503*	.584**	.223	.647**	.686**	.783**	.125	.070
3	Criterion CalmFear	.411*	.659**	.156	.248	.250	-.028	.033	.263	.358	.434*	.032
4	Criterion CalmHappy	.319	.070	.056	.159	.236	.388	.481*	.283	.336	.172	.167
5	Criterion Calm Target	.404	.608**	.120	.243	.283	.199	.316	.355	.414*	.501*	.081
6	Criterion Emotional Distractor	.629**	.460*	.199	.464*	.459*	.313	.451*	.480*	.663**	.398*	.159
7	Criterion Emotional Target	.832**	.155	.361	.612**	.654**	.269	.649**	.640**	.863**	.033	.147
8	Criterion FearCalm	.630**	.271	.511*	.528**	.193	.005	.408	.367	.548**	-.060	.296
9	Criterion FearDistractor	.518*	.701**	.273	.342	.610**	.348	.549**	.653**	.601**	.678**	.010
10	Criterion FearHappy	.706**	-.130	.218	.627**	.136	.026	-.164	-.008	.567**	-.131	.436*
11	Criterion Fear Target	.782**	.025	.358	.717**	.308	.116	.199	.260	.725**	-.066	.327
12	Criterion HappyCalm	.291	.239	.006	.185	.744**	.303	.659**	.673**	.609**	.256	-.233
13	Criterion Happy Distractor	.606**	-.082	.163	.508**	.310	.435*	.358	.246	.602**	.108	.264
14	Criterion HappyFear	.624**	.132	.341	.458*	.592**	.360	.809**	.720**	.717**	.028	.226
15	Criterion Happy Target	.456*	.231	.213	.363	.627**	.439*	.756**	.744**	.703**	.284	.000
16	Criterion NonEmotional Distractor	.628**	.293	.380	.503*	.584**	.223	.647**	.686**	.783**	.125	.070
17	Criterion NonEmotional Target	.404	.608**	.120	.243	.283	.199	.316	.355	.414*	.501*	.081
18	DPrime	.279	-.510*	-.162	.068	-.080	-.557**	-.120	-.171	.081	-.705**	.529**
19	DPrime Calm Distractor	-.511*	.285	-.226	-.583**	-.233	-.181	.157	-.172	-.496*	.134	-.093
20	DPrime CalmFear	.333	-.674**	.047	.265	.292	.160	.125	.059	.349	-.403	.114
21	DPrime CalmHappy	.356	-.116	.098	.137	-.256	-.788**	-.151	-.092	.049	-.671**	.568**
22	DPrime Calm Target	.438*	-.558**	.079	.250	.034	-.578**	.092	.054	.240	-.826**	.528**
23	DPrime Emotional Distractor	.456*	-.571**	-.083	.252	.104	-.515**	.004	.011	.306	-.749**	.562**
24	DPrime Emotional Target	-.266	-.037	-.645**	-.453*	-.014	-.208	.015	-.269	-.197	.059	.115
25	DPrime FearCalm	-.520**	.271	-.186	-.551**	-.060	-.129	.165	-.056	-.454*	.121	-.094
26	DPrime Fear Distractor	.489*	-.641**	-.017	.377	.369	.208	.192	.178	.531**	-.501*	.254
27	DPrime FearHappy	.188	-.253	-.515*	.025	.097	-.228	-.348	-.235	.165	-.114	.320
28	DPrime Fear Target	-.342	.039	-.608**	-.493*	.101	-.270	.011	-.172	-.218	.028	.025

		89	90	91	92	93	94	95	96	97	98	99
29	DPrime HappyCalm	.041	-.037	-.044	-.074	-.594**	-.080	-.149	-.434*	-.213	.101	.191
30	DPrime Happy Distractor	.313	-.207	-.255	.055	-.089	-.747**	-.204	-.146	.113	-.577**	.527**
31	DPrime HappyFear	.562**	-.255	.101	.444*	-.076	-.027	-.335	-.130	.370	-.111	.449*
32	DPrime Happy Target	.073	-.251	-.149	-.013	-.335	.165	-.111	-.403*	-.048	.170	.150
33	DPrime NonEmotional Distractor	-.511*	.285	-.226	-.583**	-.233	-.181	.157	-.172	-.496*	.134	-.093
34	DPrime NonEmotional Target	.438*	-.558**	.079	.250	.034	-.578**	.092	.054	.240	-.826**	.528**
35	zCorrectRejectionRate Calm Distractor	.166	.374	.149	.064	.334	.071	.574**	.428*	.324	.168	.002
36	zCorrectRejectionRate CalmFear	.539**	-.002	.148	.371	.382	.094	.114	.234	.511*	.029	.105
37	zCorrectRejectionRate CalmHappy	.460*	-.037	.110	.201	-.081	-.438*	.206	.080	.226	-.460*	.562**
38	zCorrectRejectionRate Calm Target	.568**	.040	.128	.331	.174	-.363	.273	.231	.414*	-.405*	.471*
39	zCorrectRejectionRate Emotional Distractor	.664**	-.063	.042	.432*	.321	-.199	.283	.268	.579**	-.320	.488*
40	zCorrectRejectionRate Emotional Target	.518**	.105	-.065	.281	.514*	.120	.517**	.387	.598**	.053	.169
41	zCorrectRejectionRate FearCalm	.101	.325	.214	.009	.089	-.073	.346	.199	.079	.033	.135
42	zCorrectRejectionRate Fear Distractor	.704**	.074	.177	.484*	.631**	.379	.508*	.572**	.765**	.149	.172
43	zCorrectRejectionRate FearHappy	.463*	-.212	-.185	.330	.125	-.118	-.283	-.139	.380	-.131	.403
44	zCorrectRejectionRate Fear Target	.362	.039	-.089	.224	.272	-.070	.143	.085	.385	-.030	.243
45	zCorrectRejectionRate HappyCalm	.208	.158	-.023	.091	.185	.174	.407*	.231	.318	.249	-.055
46	zCorrectRejectionRate Happy Distractor	.537**	-.178	-.101	.308	.103	-.305	.081	.025	.400*	-.356	.517**
47	zCorrectRejectionRate HappyFear	.682**	-.020	.271	.556**	.412*	.259	.455*	.484*	.718**	-.031	.383
48	zCorrectRejectionRate Happy Target	.340	.053	.058	.251	.271	.396*	.520**	.319	.474*	.289	.078
49	zCorrectRejectionRate NonEmotional Distractor	.166	.374	.149	.064	.334	.071	.574**	.428*	.324	.168	.002
50	zCorrectRejectionRate NonEmotional Target	.568**	.040	.128	.331	.174	-.363	.273	.231	.414*	-.405*	.471*
51	zFalseAlarmRate Calm Distractor	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*	-.324	-.168	-.002
52	zFalseAlarmRate CalmFear	-.539**	.002	-.148	-.371	-.382	-.094	-.114	-.234	-.511*	-.029	-.105
53	zFalseAlarmRate CalmHappy	-.460*	.037	-.110	-.201	.081	.438*	-.206	-.080	-.226	.460*	-.562**
54	zFalseAlarmRate Calm Target	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231	-.414*	.405*	-.471*
55	zFalseAlarmRate Emotional Distractor	-.664**	.063	-.042	-.432*	-.321	.199	-.283	-.268	-.579**	.320	-.488*

		89	90	91	92	93	94	95	96	97	98	99
56	zFalseAlarmRate Emotional Target	-.518**	-.105	.065	-.281	-.514*	-.120	-.517**	-.387	-.598**	-.053	-.169
57	zFalseAlarmRate FearCalm	-.101	-.325	-.214	-.009	-.089	.073	-.346	-.199	-.079	-.033	-.135
58	zFalseAlarmRate Fear Distractor	-.704**	-.074	-.177	-.484*	-.631**	-.379	-.508*	-.572**	-.765**	-.149	-.172
59	zFalseAlarmRate FearHappy	-.473*	.210	.190	-.341	-.107	.110	.324	.170	-.386	.115	-.387
60	zFalseAlarmRate Fear Target	-.362	-.039	.089	-.224	-.272	.070	-.143	-.085	-.385	.030	-.243
61	zFalseAlarmRate HappyCalm	-.208	-.158	.023	-.091	-.185	-.174	-.407*	-.231	-.318	-.249	.055
62	zFalseAlarmRate Happy Distractor	-.537**	.178	.101	-.308	-.103	.305	-.081	-.025	-.400*	.356	-.517**
63	zFalseAlarmRate HappyFear	-.682**	.020	-.271	-.556**	-.412*	-.259	-.455*	-.484*	-.718**	.031	-.383
64	zFalseAlarmRate Happy Target	-.340	-.053	-.058	-.251	-.271	-.396*	-.520**	-.319	-.474*	-.289	-.078
65	zFalseAlarmRate NonEmotional Distractor	-.166	-.374	-.149	-.064	-.334	-.071	-.574**	-.428*	-.324	-.168	-.002
66	zFalseAlarmRate NonEmotional Target	-.568**	-.040	-.128	-.331	-.174	.363	-.273	-.231	-.414*	.405*	-.471*
67	zHitRate Calm Distractor	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**	-.1000**	-.025	-.120
68	zHitRate CalmFear	-.046	-.925**	-.070	.018	.009	.126	.050	-.163	-.009	-.834**	.074
69	zHitRate CalmHappy	.129	-.138	.053	.026	-.347	-.876**	-.453*	-.235	-.146	-.657**	.382
70	zHitRate Calm Target	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154	-.025	-.1000**	.413*
71	zHitRate Emotional Distractor	.012	-.878**	-.207	-.091	-.235	-.688**	-.385	-.323	-.179	-.962**	.404*
72	zHitRate Emotional Target	-.867**	-.174	-.687**	-.838**	-.637**	-.374	-.631**	-.764**	-.938**	.001	-.078
73	zHitRate FearCalm	-.1000**	-.010	-.613**	-.934**	-.222	-.112	-.231	-.376	-.870**	.155	-.346
74	zHitRate Fear Distractor	-.010	-.1000**	-.204	.006	-.219	-.119	-.286	-.376	-.083	-.882**	.174
75	zHitRate FearHappy	-.613**	-.204	-.1000**	-.745**	-.037	-.354	-.300	-.323	-.472*	.002	-.089
76	zHitRate Fear Target	-.934**	.006	-.745**	-.1000**	-.203	-.299	-.172	-.358	-.809**	.079	-.275
77	zHitRate HappyCalm	-.222	-.219	-.037	-.203	-.1000**	-.297	-.632**	-.839**	-.665**	-.132	.316
78	zHitRate Happy Distractor	-.112	-.119	-.354	-.299	-.297	-.1000**	-.491*	-.307	-.310	-.614**	.311
79	zHitRate HappyFear	-.231	-.286	-.300	-.172	-.632**	-.491*	-.1000**	-.793**	-.480*	-.172	.078
80	zHitRate Happy Target	-.376	-.376	-.323	-.358	-.839**	-.307	-.793**	-.1000**	-.711**	-.154	.105
81	zHitRate NonEmotional Distractor	-.870**	-.083	-.472*	-.809**	-.665**	-.310	-.480*	-.711**	-.1000**	-.025	-.120
82	zHitRate NonEmotional Target	.155	-.882**	.002	.079	-.132	-.614**	-.172	-.154	-.025	-.1000**	.413*
83	zMissRate Calm Distractor	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**	1.000**	.025	.120
84	zMissRate CalmFear	.046	.925**	.070	-.018	-.009	-.126	-.050	.163	.009	.834**	-.074

		89	90	91	92	93	94	95	96	97	98	99
85	zMissRate CalmHappy	-.129	.138	-.053	-.026	.347	.876**	.453*	.235	.146	.657**	-.382
86	zMissRate Calm Target	-.155	.882**	-.002	-.079	.132	.614**	.172	.154	.025	1.000**	-.413*
87	zMissRate Emotional Distractor	-.012	.878**	.207	.091	.235	.688**	.385	.323	.179	.962**	-.404*
88	zMissRate Emotional Target	.867**	.174	.687**	.838**	.637**	.374	.631**	.764**	.938**	-.001	.078
89	zMissRate FearCalm	1	.010	.613**	.934**	.222	.112	.231	.376	.870**	-.155	.346
90	zMissRate Fear Distractor	.010	1	.204	-.006	.219	.119	.286	.376	.083	.882**	-.174
91	zMissRate FearHappy	.613**	.204	1	.745**	.037	.354	.300	.323	.472*	-.002	.089
92	zMissRate Fear Target	.934**	-.006	.745**	1	.203	.299	.172	.358	.809**	-.079	.275
93	zMissRate HappyCalm	.222	.219	.037	.203	1	.297	.632**	.839**	.665**	.132	-.316
94	zMissRate Happy Distractor	.112	.119	.354	.299	.297	1	.491*	.307	.310	.614**	-.311
95	zMissRate HappyFear	.231	.286	.300	.172	.632**	.491*	1	.793**	.480*	.172	-.078
96	zMissRate Happy Target	.376	.376	.323	.358	.839**	.307	.793**	1	.711**	.154	-.105
97	zMissRate NonEmotional Distractor	.870**	.083	.472*	.809**	.665**	.310	.480*	.711**	1	.025	.120
98	zMissRate NonEmotional Target	-.155	.882**	-.002	-.079	.132	.614**	.172	.154	.025	1	-.413*
99	zRT AllRuns Hits	.346	-.174	.089	.275	-.316	-.311	-.078	-.105	.120	-.413*	1
100	zRT Calm Distractor Hits	.311	-.238	.038	.226	-.309	-.332	-.074	-.098	.095	-.459*	.975**
101	zRT Calm Target Hits	.471*	-.093	.120	.314	-.287	-.226	-.095	-.107	.153	-.282	.931**
102	zRT Emotional Distractor Hits	.451*	-.138	.108	.292	-.311	-.282	-.074	-.105	.130	-.368	.992**
103	zRT Emotional Target Hits	.305	-.206	.063	.237	-.297	-.327	-.047	-.082	.100	-.451*	.985**
104	zRT Fear Distractor Hits	.444*	-.150	.146	.321	-.417*	.028	-.073	-.227	.102	-.147	.946**
105	zRT Fear Target Hits	.304	-.123	.097	.246	-.161	-.268	.305	.087	.210	-.427*	.961**
106	zRT Happy Distractor Hits	.370	-.112	.024	.198	-.284	-.339	-.080	-.076	.083	-.360	.973**
107	zRT Happy Target Hits	.381	-.207	.042	.242	-.277	-.333	-.070	-.086	.105	-.462*	.957**
108	zRT Hits Calm	.367	-.173	.088	.285	-.325	-.306	-.104	-.121	.126	-.398*	.994**
109	ZRT Hits CalmFear	.550**	-.069	.230	.428*	-.411	.161	.098	-.207	.264	-.060	.863**
110	ZRT Hits CalmHappy	.331	-.054	-.036	.150	-.226	-.310	-.080	-.062	.084	-.271	.880**
111	zRT Hits Fear	.368	-.175	.148	.316	-.307	-.273	-.027	-.088	.147	-.416*	.989**
112	ZRT Hits FearCalm	.316	-.141	.100	.244	-.135	-.239	.349	.106	.228	-.422*	.934**
113	ZRT Hits FearHappy	.363	-.097	.090	.238	-.184	-.291	.240	.063	.182	-.415*	.952**

		89	90	91	92	93	94	95	96	97	98	99
114	zRT Hits Happy	.302	-.176	.041	.224	-.291	-.333	-.057	-.081	.099	-.423*	.995**
115	ZRT Hits HappyCalm	.344	-.208	-.012	.194	-.310	-.347	-.138	-.137	.040	-.442*	.936**
116	ZRT Hits HappyFear	.263	-.175	-.001	.157	-.315	-.073	.005	-.137	.041	-.237	.928**
117	zRT Hits	.346	-.174	.089	.275	-.316	-.311	-.078	-.105	.120	-.413*	1.000**
118	zRT Nonemotional Distractor Hits	.311	-.238	.038	.226	-.309	-.332	-.074	-.098	.095	-.459*	.975**
119	zRT Nonemotional Target Hits	.471*	-.093	.120	.314	-.287	-.226	-.095	-.107	.153	-.282	.931**
120	Zero Complement Presented Framing Index	.033	.086	-.030	.022	.139	.244	.481*	.243	.049	.005	.116
121	Zero Complement Presented Gain Lives	.031	.199	-.075	-.002	-.203	-.297	-.354	-.298	-.106	.095	.173
122	Zero Complement Presented Gain Lives Signed Confidence	-.003	.230	.005	-.003	-.250	-.209	-.292	-.306	-.137	.130	.226
123	Zero Complement Presented Gain Risky Choices	-.117	.081	-.132	-.168	-.332	-.341	-.487*	-.477*	-.307	.010	.141
124	Zero Complement Presented Gain Money Risky Choices	-.273	-.107	-.162	-.332	-.397	-.278	-.493*	-.548**	-.469*	-.109	.044
125	Zero Complement Presented Gain Money Signed Confidence	-.276	-.026	-.114	-.324	-.385	-.215	-.387	-.466*	-.456*	-.026	.058
126	Zero Complement Presented Gain Signed Confidence	-.147	.143	-.056	-.171	-.366	-.254	-.401	-.451*	-.330	.075	.187
127	Zero Complement Presented Lives Framing Index	.033	.086	-.030	.022	.139	.244	.481*	.243	.049	.005	.116
128	Zero Complement Presented Lives Signed Confidence Framing Index	.018	-.046	-.088	.005	.179	.243	.369	.180	.044	-.058	.032
129	Zero Complement Presented Loss Lives Risky Choices	-.036	.114	.003	-.113	.035	-.070	.273	.069	-.030	-.072	.160
130	Zero Complement Presented Loss Lives Signed Confidence	-.052	.144	.034	-.103	-.012	-.060	.220	.021	-.071	-.045	.084
131	Zero Complement Presented Loss Risky Choices	-.109	.078	-.078	-.189	-.059	-.014	.252	-.033	-.175	-.085	.182
132	Zero Complement Presented Loss Money Risky Choices	-.163	.012	-.149	-.223	-.155	.056	.152	-.145	-.295	-.075	.157
133	Zero Complement Presented Loss Money Signed Confidence	-.188	-.071	-.185	-.246	-.110	.104	.108	-.163	-.306	-.085	.079
134	Zero Complement Presented Loss Signed Confidence	-.132	.049	-.081	-.197	-.066	.020	.193	-.076	-.210	-.074	.093

		89	90	91	92	93	94	95	96	97	98	99
135	Zero Complement Presented Money Framing Index	.033	.086	-.030	.022	.139	.244	.481*	.243	.049	.005	.116
136	Zero Complement Presented Money Signed Confidence Framing Index	.018	-.046	-.088	.005	.179	.243	.369	.180	.044	-.058	.032
137	Zero Complement Presented Signed Confidence Framing Index	.018	-.046	-.088	.005	.179	.243	.369	.180	.044	-.058	.032
138	Framing Index	-.158	-.250	.115	-.129	-.445*	.075	-.213	-.324	-.352	-.085	-.073
139	Gain Lives Risky Choices	.043	.322	-.014	-.006	-.035	-.254	-.018	-.055	.006	.066	.265
140	Gain Lives Signed Confidence	.002	.299	.020	-.010	-.070	-.170	-.002	-.095	-.034	.086	.290
141	Gain Risky Choices	-.099	.315	-.041	-.184	-.042	-.090	.088	-.090	-.154	.126	.212
142	Gain Money Risky Choices	-.231	.138	-.056	-.322	-.028	.179	.182	-.087	-.284	.138	.017
143	Gain Money Signed Confidence	-.236	.207	-.047	-.326	-.040	.187	.189	-.063	-.289	.200	.004
144	Gain Signed Confidence	-.140	.331	-.013	-.197	-.073	-.011	.108	-.104	-.193	.178	.217
145	Both Complements Presented Framing Index	-.189	-.242	.198	-.092	-.598**	-.043	-.501*	-.516**	-.445*	-.112	.024
146	Both Complements Presented Gain Lives Risky Choices	.036	.347	-.006	-.031	.006	-.206	.086	-.016	.019	.084	.245
147	Both Complements Presented Gain Lives Signed Confidence	-.026	.311	.030	-.048	-.052	-.135	.082	-.074	-.053	.090	.269
148	Both Complements Presented Gain Risky Choices	-.100	.346	-.021	-.174	-.045	.109	.234	-.043	-.120	.284	.087
149	Both Complements Presented Gain Money Risky Choices	-.209	.197	-.028	-.272	-.086	.446*	.337	-.057	-.236	.403*	-.142
150	Both Complements Presented Gain Money Signed Confidence	-.193	.266	-.021	-.270	-.101	.400*	.312	-.050	-.244	.414*	-.132
151	Both Complements Presented Gain Signed Confidence	-.138	.349	.007	-.187	-.093	.145	.223	-.076	-.174	.297	.097
152	Both Complements Presented Lives Framing Index	-.269	-.360	-.018	-.244	-.545**	.097	-.382	-.412*	-.472*	.018	-.134
153	Both Complements Presented Lives Signed Confidence Framing Index	-.112	-.316	-.026	-.174	-.490*	.113	-.364	-.356	-.369	.057	-.184
154	Both Complements Presented Loss Lives Risky Choices	-.185	.041	-.019	-.243	-.476*	-.112	-.238	-.374	-.393	.096	.101

		89	90	91	92	93	94	95	96	97	98	99
155	Both Complements Presented Loss Lives Signed Confidence	-.122	.092	.015	-.192	-.456*	-.051	-.200	-.366	-.354	.141	.097
156	Both Complements Presented Loss Risky Choices	-.213	.080	.118	-.232	-.578**	.056	-.251	-.491*	-.495*	.148	.093
157	Both Complements Presented Loss Money Risky Choices	-.165	.091	.213	-.135	-.463*	.212	-.171	-.432*	-.419*	.148	.053
158	Both Complements Presented Loss Money Signed Confidence	-.168	.119	.151	-.180	-.424*	.147	-.176	-.411*	-.433*	.124	.062
159	Both Complements Presented Loss Signed Confidence	-.168	.124	.102	-.217	-.517**	.060	-.218	-.455*	-.461*	.154	.090
160	Both Complements Presented Money Framing Index	.008	-.058	.272	.091	-.405*	-.160	-.457*	-.406*	-.238	-.191	.184
161	Both Complements Presented Money Signed Confidence Framing Index	.002	-.108	.196	.063	-.346	-.219	-.482*	-.390	-.231	-.257	.199
162	Both Complements Presented Signed Confidence Framing Index	-.078	-.239	.153	-.053	-.517**	-.092	-.514*	-.476*	-.370	-.150	.008
163	Money Framing Index	.042	-.080	.191	.089	-.346	-.023	-.238	-.254	-.165	-.110	.112
164	Money Risky Choices	-.197	.090	.042	-.264	-.217	.161	.047	-.223	-.366	.074	.076
165	Money Signed Confidence Framing Index	.024	-.187	.108	.064	-.276	-.068	-.299	-.275	-.162	-.198	.055
166	Money Signed Confidence	-.218	.110	.005	-.298	-.189	.154	.034	-.211	-.380	.098	.032
167	Nonzero Complement Presented Framing Index	-.154	-.273	.055	-.108	-.483*	-.043	-.532**	-.447*	-.327	.012	-.205
168	Nonzero Complement Presented Gain Lives Risky Choices	.051	.310	.039	.021	.087	-.185	.191	.144	.093	-.001	.290
169	Nonzero Complement Presented Gain Lives Signed Confidence	.036	.280	.020	.028	.108	-.126	.197	.117	.097	.017	.306
170	Nonzero Complement Presented Gain Risky Choices	-.029	.340	.043	-.104	.252	-.023	.426*	.260	.036	-.008	.287
171	Nonzero Complement Presented Gain Money Risky Choices	-.094	.186	.023	-.170	.277	.143	.417*	.238	-.037	-.009	.131
172	Nonzero Complement Presented Gain Money Signed Confidence	-.130	.215	-.003	-.205	.260	.165	.379	.219	-.069	.056	.090
173	Nonzero Complement Presented Gain Signed Confidence	-.071	.332	.011	-.132	.259	.042	.402	.232	.010	.051	.263

		89	90	91	92	93	94	95	96	97	98	99
174	Nonzero Complement Presented Lives Framing Index	-.280	-.324	-.059	-.261	-.457*	.029	-.488*	-.463*	-.431*	.066	-.310
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.169	-.294	-.035	-.226	-.497*	.000	-.498*	-.467*	-.409*	.067	-.308
176	Nonzero Complement Presented Loss Lives Risky Choices	-.244	-.034	-.023	-.238	-.377	-.121	-.275	-.338	-.348	.063	-.095
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.144	-.002	-.013	-.185	-.365	-.109	-.245	-.331	-.294	.077	-.071
178	Nonzero Complement Presented Loss Risky Choices	-.175	-.028	.086	-.195	-.331	-.063	-.228	-.282	-.323	.007	-.017
179	Nonzero Complement Presented Loss Money Risky Choices	-.043	-.013	.180	-.084	-.173	.021	-.110	-.129	-.193	-.059	.074
180	Nonzero Complement Presented Loss Money Signed Confidence	-.096	-.036	.129	-.138	-.160	.001	-.161	-.166	-.241	-.067	-.006
181	Nonzero Complement Presented Loss Signed Confidence	-.139	-.022	.068	-.190	-.309	-.064	-.236	-.292	-.314	.006	-.044
182	Nonzero Complement Presented Money Framing Index	.043	-.169	.161	.069	-.387	-.103	-.452*	-.319	-.142	-.045	-.042
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.031	-.231	.135	.065	-.381	-.153	-.496*	-.353	-.154	-.112	-.087
184	Nonzero Complement Presented Signed Confidence Framing Index	-.086	-.286	.062	-.077	-.490*	-.094	-.551**	-.458*	-.305	-.034	-.223

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		100	101	102	103	104	105	106	107	108	109	110
1	Criterion	-.079	.219	.138	-.068	.159	.066	.115	.018	.013	.461*	.214
2	Criterion Calm Distractor	.045	.115	.081	.044	.052	.211	.070	.016	.082	.241	.112
3	Criterion CalmFear	-.050	.159	.070	-.046	.070	-.045	.061	-.034	.067	.159	.160
4	Criterion CalmHappy	.117	.255	.193	.114	.240	.191	.172	.125	.191	.374	.268
5	Criterion Calm Target	-.012	.241	.129	-.005	.155	.032	.113	.011	.117	.270	.244
6	Criterion Emotional Distractor	.056	.321	.213	.071	.227	.193	.190	.073	.191	.466*	.302
7	Criterion Emotional Target	.086	.220	.176	.106	.140	.354	.142	.097	.156	.485*	.182
8	Criterion FearCalm	.247	.440*	.435*	.263	.415*	.259	.375	.357	.303	.438*	.370
9	Criterion FearDistractor	-.072	.124	.053	-.044	.019	.151	.072	-.076	.023	.216	.158
10	Criterion FearHappy	.316	.582**	.487*	.332	.504*	.296	.402	.363	.473*	.616**	.448*
11	Criterion Fear Target	.222	.429*	.374	.254	.402	.288	.281	.279	.342	.565**	.307
12	Criterion HappyCalm	-.226	-.149	-.228	-.252	-.278	-.068	-.173	-.293	-.208	-.115	-.069
13	Criterion Happy Distractor	.166	.417*	.315	.176	.405*	.237	.244	.203	.296	.604**	.344
14	Criterion HappyFear	.197	.245	.239	.216	.178	.516**	.248	.179	.220	.438*	.265
15	Criterion Happy Target	-.006	.049	.012	-.011	.013	.215	.057	-.084	.008	.198	.106
16	Criterion NonEmotional Distractor	.045	.115	.081	.044	.052	.211	.070	.016	.082	.241	.112
17	Criterion NonEmotional Target	-.012	.241	.129	-.005	.155	.032	.113	.011	.117	.270	.244
18	DPrime	.503**	.567**	.567**	.501**	.413*	.467*	.561**	.541**	.542**	.381	.580**
19	DPrime Calm Distractor	-.088	-.082	-.093	-.097	-.089	-.049	-.034	-.144	-.086	-.083	.022
20	DPrime CalmFear	.152	.074	.093	.128	.146	.132	.039	.107	.118	.138	.021
21	DPrime CalmHappy	.548**	.539**	.555**	.541**	.373	.516**	.569**	.533**	.582**	.337	.560**
22	DPrime Calm Target	.521**	.482*	.509**	.516**	.354	.511*	.489*	.539**	.535**	.348	.471*
23	DPrime Emotional Distractor	.536**	.549**	.555**	.534**	.396	.539**	.543**	.555**	.573**	.429*	.549**
24	DPrime Emotional Target	.060	.197	.147	.067	.154	.132	.191	.052	.132	.263	.301
25	DPrime FearCalm	-.105	-.092	-.073	-.080	-.068	-.084	-.040	-.073	-.111	-.163	.000
26	DPrime Fear Distractor	.255	.263	.251	.240	.229	.316	.234	.207	.265	.303	.246
27	DPrime FearHappy	.252	.427*	.352	.247	.326	.192	.336	.289	.353	.360	.419*
28	DPrime Fear Target	-.035	.100	.061	-.012	.059	.014	.075	.013	.030	.102	.175

		100	101	102	103	104	105	106	107	108	109	110
29	DPrime HappyCalm	.192	.248	.190	.141	.299	.123	.213	.063	.235	.361	.251
30	DPrime Happy Distractor	.477*	.549**	.534**	.479*	.347	.449*	.543**	.506**	.546**	.358	.585**
31	DPrime HappyFear	.397*	.513**	.469*	.387	.406*	.341	.493*	.352	.479*	.439*	.526**
32	DPrime Happy Target	.131	.219	.166	.101	.388	.147	.186	.008	.183	.531*	.233
33	DPrime NonEmotional Distractor	-.088	-.082	-.093	-.097	-.089	-.049	-.034	-.144	-.086	-.083	.022
34	DPrime NonEmotional Target	.521**	.482*	.509**	.516**	.354	.511*	.489*	.539**	.535**	.348	.471*
35	zCorrectRejectionRate Calm Distractor	-.014	.043	.011	-.019	-.008	.127	.035	-.066	.015	.129	.097
36	zCorrectRejectionRate CalmFear	.073	.169	.118	.058	.156	.062	.073	.052	.134	.215	.132
37	zCorrectRejectionRate CalmHappy	.518**	.587**	.565**	.511**	.422*	.523**	.566**	.510**	.587**	.462*	.611**
38	zCorrectRejectionRate Calm Target	.416*	.518**	.481*	.416*	.339	.434*	.457*	.443*	.495*	.411	.511**
39	zCorrectRejectionRate Emotional Distractor	.414*	.567**	.513**	.421*	.384	.498*	.492*	.437*	.514**	.555**	.557**
40	zCorrectRejectionRate Emotional Target	.096	.265	.207	.115	.179	.355	.200	.101	.184	.522*	.282
41	zCorrectRejectionRate FearCalm	.098	.224	.232	.122	.214	.117	.214	.183	.130	.172	.235
42	zCorrectRejectionRate Fear Distractor	.115	.258	.200	.125	.162	.328	.203	.081	.188	.371	.270
43	zCorrectRejectionRate FearHappy	.304	.538**	.447*	.309	.438*	.259	.395	.348	.441*	.514*	.466*
44	zCorrectRejectionRate Fear Target	.135	.355	.295	.171	.308	.212	.238	.202	.256	.450*	.312
45	zCorrectRejectionRate HappyCalm	-.050	.041	-.052	-.099	-.030	.031	.002	-.177	-.010	.144	.102
46	zCorrectRejectionRate Happy Distractor	.430*	.613**	.549**	.437*	.455*	.446*	.518**	.470*	.548**	.565**	.601**
47	zCorrectRejectionRate HappyFear	.336	.427*	.402*	.346	.327	.503*	.420*	.301	.392	.497*	.449*
48	zCorrectRejectionRate Happy Target	.063	.148	.094	.045	.198	.223	.137	-.055	.100	.420	.196
49	zCorrectRejectionRate NonEmotional Distractor	-.014	.043	.011	-.019	-.008	.127	.035	-.066	.015	.129	.097
50	zCorrectRejectionRate NonEmotional Target	.416*	.518**	.481*	.416*	.339	.434*	.457*	.443*	.495*	.411	.511**
51	zFalseAlarmRate Calm Distractor	.014	-.043	-.011	.019	.008	-.127	-.035	.066	-.015	-.129	-.097
52	zFalseAlarmRate CalmFear	-.073	-.169	-.118	-.058	-.156	-.062	-.073	-.052	-.134	-.215	-.132
53	zFalseAlarmRate CalmHappy	-.518**	-.587**	-.565**	-.511**	-.422*	-.523**	-.566**	-.510**	-.587**	-.462*	-.611**
54	zFalseAlarmRate Calm Target	-.416*	-.518**	-.481*	-.416*	-.339	-.434*	-.457*	-.443*	-.495*	-.411	-.511**
55	zFalseAlarmRate Emotional Distractor	-.414*	-.567**	-.513**	-.421*	-.384	-.498*	-.492*	-.437*	-.514**	-.555**	-.557**

		100	101	102	103	104	105	106	107	108	109	110
56	zFalseAlarmRate Emotional Target	-.096	-.265	-.207	-.115	-.179	-.355	-.200	-.101	-.184	-.522*	-.282
57	zFalseAlarmRate FearCalm	-.098	-.224	-.232	-.122	-.214	-.117	-.214	-.183	-.130	-.172	-.235
58	zFalseAlarmRate Fear Distractor	-.115	-.258	-.200	-.125	-.162	-.328	-.203	-.081	-.188	-.371	-.270
59	zFalseAlarmRate FearHappy	-.296	-.515*	-.426*	-.297	-.414*	-.249	-.372	-.338	-.425*	-.498*	-.434*
60	zFalseAlarmRate Fear Target	-.135	-.355	-.295	-.171	-.308	-.212	-.238	-.202	-.256	-.450*	-.312
61	zFalseAlarmRate HappyCalm	.050	-.041	.052	.099	.030	-.031	-.002	.177	.010	-.144	-.102
62	zFalseAlarmRate Happy Distractor	-.430*	-.613**	-.549**	-.437*	-.455*	-.446*	-.518**	-.470*	-.548**	-.565**	-.601**
63	zFalseAlarmRate HappyFear	-.336	-.427*	-.402*	-.346	-.327	-.503*	-.420*	-.301	-.392	-.497*	-.449*
64	zFalseAlarmRate Happy Target	-.063	-.148	-.094	-.045	-.198	-.223	-.137	.055	-.100	-.420	-.196
65	zFalseAlarmRate NonEmotional Distractor	.014	-.043	-.011	.019	.008	-.127	-.035	.066	-.015	-.129	-.097
66	zFalseAlarmRate NonEmotional Target	-.416*	-.518**	-.481*	-.416*	-.339	-.434*	-.457*	-.443*	-.495*	-.411	-.511**
67	zHitRate Calm Distractor	-.095	-.153	-.130	-.100	-.102	-.210	-.083	-.105	-.126	-.264	-.084
68	zHitRate CalmFear	.170	-.069	.024	.147	.047	.142	-.013	.132	.050	-.016	-.110
69	zHitRate CalmHappy	.393	.309	.356	.389	.117	.339	.380	.377	.381	.001	.319
70	zHitRate Calm Target	.459*	.282	.368	.451*	.147	.427*	.360	.462*	.398*	.060	.271
71	zHitRate Emotional Distractor	.452*	.280	.361	.440*	.140	.375	.365	.457*	.392	-.001	.293
72	zHitRate Emotional Target	-.050	-.103	-.088	-.065	-.052	-.225	-.031	-.064	-.077	-.261	-.009
73	zHitRate FearCalm	-.311	-.471*	-.451*	-.305	-.444*	-.304	-.370	-.381	-.367	-.550**	-.331
74	zHitRate Fear Distractor	.238	.093	.138	.206	.150	.123	.112	.207	.173	.069	.054
75	zHitRate FearHappy	-.038	-.120	-.108	-.063	-.146	-.097	-.024	-.042	-.088	-.230	.036
76	zHitRate Fear Target	-.226	-.314	-.292	-.237	-.321	-.246	-.198	-.242	-.285	-.428*	-.150
77	zHitRate HappyCalm	.309	.287	.311	.297	.417*	.161	.284	.277	.325	.411	.226
78	zHitRate Happy Distractor	.332	.226	.282	.327	-.028	.268	.339	.333	.306	-.161	.310
79	zHitRate HappyFear	.074	.095	.074	.047	.073	-.305	.080	.070	.104	-.098	.080
80	zHitRate Happy Target	.098	.107	.105	.082	.227	-.087	.076	.086	.121	.207	.062
81	zHitRate NonEmotional Distractor	-.095	-.153	-.130	-.100	-.102	-.210	-.083	-.105	-.126	-.264	-.084
82	zHitRate NonEmotional Target	.459*	.282	.368	.451*	.147	.427*	.360	.462*	.398*	.060	.271
83	zMissRate Calm Distractor	.095	.153	.130	.100	.102	.210	.083	.105	.126	.264	.084
84	zMissRate CalmFear	-.170	.069	-.024	-.147	-.047	-.142	.013	-.132	-.050	.016	.110

		100	101	102	103	104	105	106	107	108	109	110
85	zMissRate CalmHappy	-.393	-.309	-.356	-.389	-.117	-.339	-.380	-.377	-.381	-.001	-.319
86	zMissRate Calm Target	-.459*	-.282	-.368	-.451*	-.147	-.427*	-.360	-.462*	-.398*	-.060	-.271
87	zMissRate Emotional Distractor	-.452*	-.280	-.361	-.440*	-.140	-.375	-.365	-.457*	-.392	.001	-.293
88	zMissRate Emotional Target	.050	.103	.088	.065	.052	.225	.031	.064	.077	.261	.009
89	zMissRate FearCalm	.311	.471*	.451*	.305	.444*	.304	.370	.381	.367	.550**	.331
90	zMissRate Fear Distractor	-.238	-.093	-.138	-.206	-.150	-.123	-.112	-.207	-.173	-.069	-.054
91	zMissRate FearHappy	.038	.120	.108	.063	.146	.097	.024	.042	.088	.230	-.036
92	zMissRate Fear Target	.226	.314	.292	.237	.321	.246	.198	.242	.285	.428*	.150
93	zMissRate HappyCalm	-.309	-.287	-.311	-.297	-.417*	-.161	-.284	-.277	-.325	-.411	-.226
94	zMissRate Happy Distractor	-.332	-.226	-.282	-.327	.028	-.268	-.339	-.333	-.306	.161	-.310
95	zMissRate HappyFear	-.074	-.095	-.074	-.047	-.073	.305	-.080	-.070	-.104	.098	-.080
96	zMissRate Happy Target	-.098	-.107	-.105	-.082	-.227	.087	-.076	-.086	-.121	-.207	-.062
97	zMissRate NonEmotional Distractor	.095	.153	.130	.100	.102	.210	.083	.105	.126	.264	.084
98	zMissRate NonEmotional Target	-.459*	-.282	-.368	-.451*	-.147	-.427*	-.360	-.462*	-.398*	-.060	-.271
99	zRT AllRuns Hits	.975**	.931**	.992**	.985**	.946**	.961**	.973**	.957**	.994**	.863**	.880**
100	zRT Calm Distractor Hits	1	.840**	.935**	.989**	.877**	.974**	.925**	.952**	.966**	.752**	.805**
101	zRT Calm Target Hits	.840**	1	.961**	.852**	.895**	.818**	.953**	.831**	.953**	.925**	.952**
102	zRT Emotional Distractor Hits	.935**	.961**	1	.958**	.956**	.926**	.978**	.934**	.987**	.900**	.903**
103	zRT Emotional Target Hits	.989**	.852**	.958**	1	.911**	.980**	.937**	.967**	.965**	.777**	.803**
104	zRT Fear Distractor Hits	.877**	.895**	.956**	.911**	1	.842**	.869**	.926**	.935**	.952**	.761**
105	zRT Fear Target Hits	.974**	.818**	.926**	.980**	.842**	1	.922**	.889**	.941**	.746**	.762**
106	zRT Happy Distractor Hits	.925**	.953**	.978**	.937**	.869**	.922**	1	.892**	.975**	.803**	.949**
107	zRT Happy Target Hits	.952**	.831**	.934**	.967**	.926**	.889**	.892**	1	.936**	.775**	.782**
108	zRT Hits Calm	.966**	.953**	.987**	.965**	.935**	.941**	.975**	.936**	1	.879**	.910**
109	ZRT Hits CalmFear	.752**	.925**	.900**	.777**	.952**	.746**	.803**	.775**	.879**	1	.725**
110	ZRT Hits CalmHappy	.805**	.952**	.903**	.803**	.761**	.762**	.949**	.782**	.910**	.725**	1
111	zRT Hits Fear	.968**	.895**	.978**	.987**	.953**	.975**	.941**	.943**	.974**	.871**	.812**
112	ZRT Hits FearCalm	.967**	.790**	.887**	.954**	.798**	.986**	.888**	.850**	.923**	.704**	.746**
113	ZRT Hits FearHappy	.942**	.818**	.935**	.971**	.856**	.979**	.926**	.899**	.920**	.759**	.750**

		100	101	102	103	104	105	106	107	108	109	110
114	zRT Hits Happy	.982**	.907**	.980**	.991**	.912**	.969**	.975**	.958**	.986**	.799**	.880**
115	ZRT Hits HappyCalm	.951**	.810**	.903**	.943**	.863**	.863**	.886**	.977**	.927**	.737**	.793**
116	ZRT Hits HappyFear	.897**	.791**	.920**	.946**	.925**	.868**	.857**	.967**	.885**	.759**	.721**
117	zRT Hits	.975**	.931**	.992**	.985**	.946**	.961**	.973**	.957**	.994**	.863**	.880**
118	zRT Nonemotional Distractor Hits	1.000**	.840**	.935**	.989**	.877**	.974**	.925**	.952**	.966**	.752**	.805**
119	zRT Nonemotional Target Hits	.840**	1.000**	.961**	.852**	.895**	.818**	.953**	.831**	.953**	.925**	.952**
120	Zero Complement Presented Framing Index	.208	.034	.084	.167	.058	.254	.083	.154	.114	.068	.020
121	Zero Complement Presented Gain Lives	.144	.182	.150	.142	.115	.152	.180	.047	.188	.190	.147
122	Zero Complement Presented Gain Lives Signed Confidence	.200	.217	.184	.194	.165	.220	.213	.065	.243	.243	.181
123	Zero Complement Presented Gain Risky Choices	.090	.206	.174	.102	.162	.074	.180	.068	.152	.223	.150
124	Zero Complement Presented Gain Money Risky Choices	-.017	.166	.144	.010	.168	-.060	.115	.072	.046	.187	.100
125	Zero Complement Presented Gain Money Signed Confidence	-.014	.177	.161	.026	.208	-.026	.140	.067	.052	.215	.123
126	Zero Complement Presented Gain Signed Confidence	.131	.239	.208	.147	.220	.140	.218	.079	.195	.278	.187
127	Zero Complement Presented Lives Framing Index	.208	.034	.084	.167	.058	.254	.083	.154	.114	.068	.020
128	Zero Complement Presented Lives Signed Confidence Framing Index	.142	-.042	.009	.087	-.024	.144	.007	.124	.035	-.008	-.048
129	Zero Complement Presented Loss Lives Risky Choices	.216	.124	.214	.219	.182	.307	.209	.262	.132	.206	.077
130	Zero Complement Presented Loss Lives Signed Confidence	.143	.084	.164	.139	.133	.219	.160	.221	.060	.172	.032
131	Zero Complement Presented Loss Risky Choices	.244	.162	.238	.233	.214	.307	.224	.280	.164	.240	.099
132	Zero Complement Presented Loss Money Risky Choices	.209	.159	.198	.185	.188	.222	.175	.219	.155	.209	.096
133	Zero Complement Presented Loss Money Signed Confidence	.144	.091	.136	.115	.135	.136	.117	.191	.078	.157	.042
134	Zero Complement Presented Loss Signed Confidence	.164	.101	.174	.146	.155	.204	.161	.238	.078	.190	.042

		100	101	102	103	104	105	106	107	108	109	110
135	Zero Complement Presented Money Framing Index	.208	.034	.084	.167	.058	.254	.083	.154	.114	.068	.020
136	Zero Complement Presented Money Signed Confidence Framing Index	.142	-.042	.009	.087	-.024	.144	.007	.124	.035	-.008	-.048
137	Zero Complement Presented Signed Confidence Framing Index	.142	-.042	.009	.087	-.024	.144	.007	.124	.035	-.008	-.048
138	Framing Index	.026	-.030	.031	-.016	.106	-.097	.029	.081	-.078	-.060	-.080
139	Gain Lives Risky Choices	.255	.220	.212	.253	.102	.360	.263	.110	.271	.211	.210
140	Gain Lives Signed Confidence	.284	.218	.213	.280	.135	.387	.256	.113	.296	.248	.199
141	Gain Risky Choices	.183	.248	.230	.193	.173	.312	.264	.116	.216	.294	.242
142	Gain Money Risky Choices	-.020	.150	.128	-.001	.175	.060	.121	.060	.016	.241	.153
143	Gain Money Signed Confidence	-.033	.137	.118	-.012	.170	.049	.122	.044	.001	.225	.153
144	Gain Signed Confidence	.190	.235	.221	.199	.194	.319	.252	.106	.219	.310	.231
145	Both Complements Presented Framing Index	.060	.117	.122	.037	.180	-.136	.093	.110	.029	.006	.011
146	Both Complements Presented Gain Lives Risky Choices	.228	.199	.204	.233	.111	.386	.263	.094	.246	.259	.234
147	Both Complements Presented Gain Lives Signed Confidence	.264	.186	.197	.263	.130	.416*	.252	.097	.270	.279	.209
148	Both Complements Presented Gain Risky Choices	.073	.121	.122	.083	.156	.255	.167	-.001	.083	.315	.153
149	Both Complements Presented Gain Money Risky Choices	-.147	-.028	-.031	-.136	.152	-.033	-.024	-.117	-.150	.242	-.013
150	Both Complements Presented Gain Money Signed Confidence	-.141	.005	-.007	-.130	.140	-.021	.009	-.111	-.138	.225	.023
151	Both Complements Presented Gain Signed Confidence	.088	.121	.122	.094	.161	.266	.166	-.002	.094	.312	.146
152	Both Complements Presented Lives Framing Index	-.096	.018	.019	-.111	.131	-.254	.045	-.042	-.137	-.139	-.007
153	Both Complements Presented Lives Signed Confidence Framing Index	-.148	.029	.030	-.162	.174	-.319	.024	-.011	-.186	-.093	-.032
154	Both Complements Presented Loss Lives Risky Choices	.122	.204	.210	.112	.221	.153	.289	.053	.100	.170	.216

		100	101	102	103	104	105	106	107	108	109	110
155	Both Complements Presented Loss Lives Signed Confidence	.127	.221	.233	.112	.282	.154	.286	.094	.097	.255	.195
156	Both Complements Presented Loss Risky Choices	.113	.207	.213	.101	.299	.112	.226	.096	.095	.271	.142
157	Both Complements Presented Loss Money Risky Choices	.065	.134	.138	.054	.267	.029	.076	.105	.056	.265	.011
158	Both Complements Presented Loss Money Signed Confidence	.084	.156	.167	.069	.251	.049	.125	.146	.066	.244	.060
159	Both Complements Presented Loss Signed Confidence	.120	.218	.232	.103	.309	.115	.236	.141	.092	.292	.146
160	Both Complements Presented Money Framing Index	.201	.164	.172	.181	.171	.066	.101	.211	.196	.120	.023
161	Both Complements Presented Money Signed Confidence Framing Index	.233	.161	.184	.205	.157	.082	.124	.260	.210	.094	.043
162	Both Complements Presented Signed Confidence Framing Index	.054	.130	.148	.026	.197	-.166	.101	.178	.014	.025	.012
163	Money Framing Index	.204	.077	.110	.147	.104	.094	.092	.151	.124	.028	-.015
164	Money Risky Choices	.089	.188	.184	.076	.226	.101	.168	.141	.081	.239	.141
165	Money Signed Confidence Framing Index	.162	.023	.061	.096	.031	.023	.043	.143	.069	-.047	-.059
166	Money Signed Confidence	.051	.152	.153	.037	.188	.058	.147	.121	.037	.197	.125
167	Nonzero Complement Presented Framing Index	-.134	-.141	-.122	-.176	-.026	-.312	-.087	-.127	-.198	-.189	-.133
168	Nonzero Complement Presented Gain Lives Risky Choices	.305	.207	.211	.298	.048	.422*	.255	.150	.289	.123	.174
169	Nonzero Complement Presented Gain Lives Signed Confidence	.319	.197	.206	.313	.078	.438*	.235	.150	.304	.168	.152
170	Nonzero Complement Presented Gain Risky Choices	.277	.279	.264	.279	.111	.431*	.292	.217	.290	.212	.283
171	Nonzero Complement Presented Gain Money Risky Choices	.102	.205	.179	.113	.110	.191	.178	.169	.135	.167	.241
172	Nonzero Complement Presented Gain Money Signed Confidence	.072	.156	.138	.077	.091	.140	.143	.141	.094	.133	.206
173	Nonzero Complement Presented Gain Signed Confidence	.258	.235	.228	.258	.115	.396*	.250	.195	.264	.210	.245

		100	101	102	103	104	105	106	107	108	109	110
174	Nonzero Complement Presented Lives Framing Index	-.264	-.223	-.203	-.285	-.056	-.403*	-.170	-.197	-.311	-.213	-.169
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.254	-.178	-.159	-.283	.001	-.390	-.132	-.152	-.305	-.138	-.141
176	Nonzero Complement Presented Loss Lives Risky Choices	-.033	-.051	-.029	-.061	-.010	-.066	.039	-.072	-.096	-.075	-.026
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.002	.005	.030	-.037	.069	-.030	.081	-.011	-.068	.039	.001
178	Nonzero Complement Presented Loss Risky Choices	.054	.060	.069	.009	.056	-.003	.128	.029	-.007	-.022	.072
179	Nonzero Complement Presented Loss Money Risky Choices	.136	.166	.157	.086	.110	.068	.187	.132	.094	.043	.158
180	Nonzero Complement Presented Loss Money Signed Confidence	.065	.096	.088	.010	.041	-.023	.116	.087	.015	-.028	.091
181	Nonzero Complement Presented Loss Signed Confidence	.036	.059	.069	-.016	.064	-.030	.116	.044	-.031	.006	.054
182	Nonzero Complement Presented Money Framing Index	.039	-.026	-.012	-.015	.006	-.107	.017	-.026	-.027	-.111	-.064
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.004	-.058	-.049	-.060	-.047	-.166	-.029	-.052	-.072	-.167	-.110
184	Nonzero Complement Presented Signed Confidence Framing Index	-.146	-.127	-.112	-.193	-.029	-.327	-.086	-.110	-.212	-.178	-.140

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		111	112	113	114	115	116	117	118	119	120	121
1	Criterion	-.004	.097	.163	-.027	-.011	.071	-.009	-.079	.219	.103	.013
2	Criterion Calm Distractor	.089	.254	.153	.062	-.015	.016	.070	.045	.115	.134	-.039
3	Criterion CalmFear	.015	-.029	-.061	.002	-.040	-.054	.032	-.050	.159	-.143	.312
4	Criterion CalmHappy	.157	.234	.135	.156	.109	.200	.167	.117	.255	.295	-.273
5	Criterion Calm Target	.062	.065	-.006	.054	-.011	.056	.081	-.012	.241	.054	.094
6	Criterion Emotional Distractor	.154	.214	.161	.129	.046	.110	.159	.056	.321	.108	.060
7	Criterion Emotional Target	.173	.372	.320	.128	.048	.078	.147	.086	.220	.143	-.035
8	Criterion FearCalm	.313	.280	.330	.273	.297	.344	.296	.247	.440*	-.057	.017
9	Criterion FearDistractor	.015	.163	.130	.005	-.090	-.017	.010	-.072	.124	.133	.091
10	Criterion FearHappy	.430*	.288	.294	.372	.302	.298	.436*	.316	.582**	-.188	.182
11	Criterion Fear Target	.350	.286	.280	.276	.197	.264	.327	.222	.429*	-.134	.119
12	Criterion HappyCalm	-.239	.000	-.143	-.217	-.265	-.270	-.233	-.226	-.149	.287	-.085
13	Criterion Happy Distractor	.264	.269	.191	.223	.136	.280	.264	.166	.417*	.109	-.148
14	Criterion HappyFear	.246	.536**	.474*	.237	.147	.207	.226	.197	.245	.356	-.252
15	Criterion Happy Target	.010	.255	.162	.018	-.080	.029	.000	-.006	.049	.288	-.177
16	Criterion NonEmotional Distractor	.089	.254	.153	.062	-.015	.016	.070	.045	.115	.134	-.039
17	Criterion NonEmotional Target	.062	.065	-.006	.054	-.011	.056	.081	-.012	.241	.054	.094
18	DPrime	.504**	.479*	.469*	.527**	.504*	.431*	.529**	.503**	.567**	-.081	.043
19	DPrime Calm Distractor	-.109	-.020	-.079	-.070	-.090	-.042	-.093	-.088	-.082	.108	.114
20	DPrime CalmFear	.142	.195	.054	.107	.050	.153	.114	.152	.074	.040	-.271
21	DPrime CalmHappy	.545**	.520**	.490*	.564**	.509*	.354	.568**	.548**	.539**	-.133	.157
22	DPrime Calm Target	.520**	.527**	.474*	.522**	.491*	.373	.528**	.521**	.482*	.029	-.048
23	DPrime Emotional Distractor	.543**	.545**	.512*	.556**	.520**	.406*	.562**	.536**	.549**	-.009	.005
24	DPrime Emotional Target	.075	.133	.125	.127	.074	.181	.115	.060	.197	-.070	.202
25	DPrime FearCalm	-.102	-.075	-.081	-.066	-.095	.062	-.094	-.105	-.092	-.103	-.019
26	DPrime Fear Distractor	.260	.352	.260	.251	.172	.227	.254	.255	.263	.023	-.180
27	DPrime FearHappy	.273	.183	.194	.298	.281	.254	.320	.252	.427*	-.144	.213
28	DPrime Fear Target	-.002	.014	.013	.033	-.024	.110	.025	-.035	.100	-.197	.152

		111	112	113	114	115	116	117	118	119	120	121
29	DPrime HappyCalm	.171	.163	.073	.174	.142	.153	.191	.192	.248	.128	.185
30	DPrime Happy Distractor	.487*	.441*	.440*	.521**	.480*	.341	.527**	.477*	.549**	-.180	.208
31	DPrime HappyFear	.406*	.315	.356	.435*	.401	.324	.449*	.397*	.513**	-.217	.172
32	DPrime Happy Target	.139	.172	.113	.140	.086	.267	.150	.131	.219	.049	.181
33	DPrime NonEmotional Distractor	-.109	-.020	-.079	-.070	-.090	-.042	-.093	-.088	-.082	.108	.114
34	DPrime NonEmotional Target	.520**	.527**	.474*	.522**	.491*	.373	.528**	.521**	.482*	.029	-.048
35	zCorrectRejectionRate Calm Distractor	.008	.176	.067	.009	-.058	-.011	.002	-.014	.043	.161	.032
36	zCorrectRejectionRate CalmFear	.113	.118	-.006	.078	.006	.070	.105	.073	.169	-.076	.034
37	zCorrectRejectionRate CalmHappy	.537**	.550**	.472*	.553**	.479*	.382	.562**	.518**	.587**	.053	-.020
38	zCorrectRejectionRate Calm Target	.455*	.463*	.383	.452*	.387	.284	.471*	.416*	.518**	.052	.011
39	zCorrectRejectionRate Emotional Distractor	.472*	.513*	.462*	.468*	.387	.317	.488*	.414*	.567**	.052	.036
40	zCorrectRejectionRate Emotional Target	.172	.370	.324	.160	.072	.143	.169	.096	.265	.082	.065
41	zCorrectRejectionRate FearCalm	.141	.136	.161	.136	.135	.247	.135	.098	.224	-.096	-.001
42	zCorrectRejectionRate Fear Distractor	.179	.362	.274	.167	.047	.135	.172	.115	.258	.108	-.054
43	zCorrectRejectionRate FearHappy	.373	.250	.259	.358	.314	.295	.403	.304	.538**	-.177	.214
44	zCorrectRejectionRate Fear Target	.243	.210	.206	.211	.124	.242	.243	.135	.355	-.204	.168
45	zCorrectRejectionRate HappyCalm	-.072	.098	-.046	-.053	-.108	-.111	-.055	-.050	.041	.289	.050
46	zCorrectRejectionRate Happy Distractor	.489*	.457*	.416*	.491*	.417*	.379	.517**	.430*	.613**	-.071	.071
47	zCorrectRejectionRate HappyFear	.378	.503*	.484*	.384	.299	.310	.383	.336	.427*	.167	-.110
48	zCorrectRejectionRate Happy Target	.079	.263	.169	.085	-.012	.152	.078	.063	.148	.230	-.032
49	zCorrectRejectionRate NonEmotional Distractor	.008	.176	.067	.009	-.058	-.011	.002	-.014	.043	.161	.032
50	zCorrectRejectionRate NonEmotional Target	.455*	.463*	.383	.452*	.387	.284	.471*	.416*	.518**	.052	.011
51	zFalseAlarmRate Calm Distractor	-.008	-.176	-.067	-.009	.058	.011	-.002	.014	-.043	-.161	-.032
52	zFalseAlarmRate CalmFear	-.113	-.118	.006	-.078	-.006	-.070	-.105	-.073	-.169	.076	-.034
53	zFalseAlarmRate CalmHappy	-.537**	-.550**	-.472*	-.553**	-.479*	-.382	-.562**	-.518**	-.587**	-.053	.020
54	zFalseAlarmRate Calm Target	-.455*	-.463*	-.383	-.452*	-.387	-.284	-.471*	-.416*	-.518**	-.052	-.011
55	zFalseAlarmRate Emotional Distractor	-.472*	-.513*	-.462*	-.468*	-.387	-.317	-.488*	-.414*	-.567**	-.052	-.036

		111	112	113	114	115	116	117	118	119	120	121
56	zFalseAlarmRate Emotional Target	-.172	-.370	-.324	-.160	-.072	-.143	-.169	-.096	-.265	-.082	-.065
57	zFalseAlarmRate FearCalm	-.141	-.136	-.161	-.136	-.135	-.247	-.135	-.098	-.224	.096	.001
58	zFalseAlarmRate Fear Distractor	-.179	-.362	-.274	-.167	-.047	-.135	-.172	-.115	-.258	-.108	.054
59	zFalseAlarmRate FearHappy	-.360	-.239	-.249	-.341	-.312	-.266	-.387	-.296	-.515*	.171	-.190
60	zFalseAlarmRate Fear Target	-.243	-.210	-.206	-.211	-.124	-.242	-.243	-.135	-.355	.204	-.168
61	zFalseAlarmRate HappyCalm	.072	-.098	.046	.053	.108	.111	.055	.050	-.041	-.289	-.050
62	zFalseAlarmRate Happy Distractor	-.489*	-.457*	-.416*	-.491*	-.417*	-.379	-.517**	-.430*	-.613**	.071	-.071
63	zFalseAlarmRate HappyFear	-.378	-.503*	-.484*	-.384	-.299	-.310	-.383	-.336	-.427*	-.167	.110
64	zFalseAlarmRate Happy Target	-.079	-.263	-.169	-.085	.012	-.152	-.078	-.063	-.148	-.230	.032
65	zFalseAlarmRate NonEmotional Distractor	-.008	-.176	-.067	-.009	.058	.011	-.002	.014	-.043	-.161	-.032
66	zFalseAlarmRate NonEmotional Target	-.455*	-.463*	-.383	-.452*	-.387	-.284	-.471*	-.416*	-.518**	-.052	-.011
67	zHitRate Calm Distractor	-.147	-.228	-.182	-.099	-.040	-.041	-.120	-.095	-.153	-.049	.106
68	zHitRate CalmFear	.107	.175	.097	.092	.107	.137	.074	.170	-.069	.129	-.404
69	zHitRate CalmHappy	.368	.319	.348	.384	.366	.131	.382	.393	.309	-.275	.284
70	zHitRate Calm Target	.416*	.422*	.415*	.423*	.442*	.237	.413*	.459*	.282	-.005	-.095
71	zHitRate Emotional Distractor	.390	.366	.370	.419*	.453*	.249	.404*	.452*	.280	-.083	-.037
72	zHitRate Emotional Target	-.125	-.240	-.200	-.053	-.005	.024	-.078	-.050	-.103	-.176	.144
73	zHitRate FearCalm	-.368	-.316	-.363	-.302	-.344	-.263	-.346	-.311	-.471*	-.033	-.031
74	zHitRate Fear Distractor	.175	.141	.097	.176	.208	.175	.174	.238	.093	-.086	-.199
75	zHitRate FearHappy	-.148	-.100	-.090	-.041	.012	.001	-.089	-.038	-.120	.030	.075
76	zHitRate Fear Target	-.316	-.244	-.238	-.224	-.194	-.157	-.275	-.226	-.314	-.022	.002
77	zHitRate HappyCalm	.307	.135	.184	.291	.310	.315	.316	.309	.287	-.139	.203
78	zHitRate Happy Distractor	.273	.239	.291	.333	.347	.073	.311	.332	.226	-.244	.297
79	zHitRate HappyFear	.027	-.349	-.240	.057	.138	-.005	.078	.074	.095	-.481*	.354
80	zHitRate Happy Target	.088	-.106	-.063	.081	.137	.137	.105	.098	.107	-.243	.298
81	zHitRate NonEmotional Distractor	-.147	-.228	-.182	-.099	-.040	-.041	-.120	-.095	-.153	-.049	.106
82	zHitRate NonEmotional Target	.416*	.422*	.415*	.423*	.442*	.237	.413*	.459*	.282	-.005	-.095
83	zMissRate Calm Distractor	.147	.228	.182	.099	.040	.041	.120	.095	.153	.049	-.106
84	zMissRate CalmFear	-.107	-.175	-.097	-.092	-.107	-.137	-.074	-.170	.069	-.129	.404

		111	112	113	114	115	116	117	118	119	120	121
85	zMissRate CalmHappy	-.368	-.319	-.348	-.384	-.366	-.131	-.382	-.393	-.309	.275	-.284
86	zMissRate Calm Target	-.416*	-.422*	-.415*	-.423*	-.442*	-.237	-.413*	-.459*	-.282	.005	.095
87	zMissRate Emotional Distractor	-.390	-.366	-.370	-.419*	-.453*	-.249	-.404*	-.452*	-.280	.083	.037
88	zMissRate Emotional Target	.125	.240	.200	.053	.005	-.024	.078	.050	.103	.176	-.144
89	zMissRate FearCalm	.368	.316	.363	.302	.344	.263	.346	.311	.471*	.033	.031
90	zMissRate Fear Distractor	-.175	-.141	-.097	-.176	-.208	-.175	-.174	-.238	-.093	.086	.199
91	zMissRate FearHappy	.148	.100	.090	.041	-.012	-.001	.089	.038	.120	-.030	-.075
92	zMissRate Fear Target	.316	.244	.238	.224	.194	.157	.275	.226	.314	.022	-.002
93	zMissRate HappyCalm	-.307	-.135	-.184	-.291	-.310	-.315	-.316	-.309	-.287	.139	-.203
94	zMissRate Happy Distractor	-.273	-.239	-.291	-.333	-.347	-.073	-.311	-.332	-.226	.244	-.297
95	zMissRate HappyFear	-.027	.349	.240	-.057	-.138	.005	-.078	-.074	-.095	.481*	-.354
96	zMissRate Happy Target	-.088	.106	.063	-.081	-.137	-.137	-.105	-.098	-.107	.243	-.298
97	zMissRate NonEmotional Distractor	.147	.228	.182	.099	.040	.041	.120	.095	.153	.049	-.106
98	zMissRate NonEmotional Target	-.416*	-.422*	-.415*	-.423*	-.442*	-.237	-.413*	-.459*	-.282	.005	.095
99	zRT AllRuns Hits	.989**	.934**	.952**	.995**	.936**	.928**	1.000**	.975**	.931**	.116	.173
100	zRT Calm Distractor Hits	.968**	.967**	.942**	.982**	.951**	.897**	.975**	1.000**	.840**	.208	.144
101	zRT Calm Target Hits	.895**	.790**	.818**	.907**	.810**	.791**	.931**	.840**	1.000**	.034	.182
102	zRT Emotional Distractor Hits	.978**	.887**	.935**	.980**	.903**	.920**	.992**	.935**	.961**	.084	.150
103	zRT Emotional Target Hits	.987**	.954**	.971**	.991**	.943**	.946**	.985**	.989**	.852**	.167	.142
104	zRT Fear Distractor Hits	.953**	.798**	.856**	.912**	.863**	.925**	.946**	.877**	.895**	.058	.115
105	zRT Fear Target Hits	.975**	.986**	.979**	.969**	.863**	.868**	.961**	.974**	.818**	.254	.152
106	zRT Happy Distractor Hits	.941**	.888**	.926**	.975**	.886**	.857**	.973**	.925**	.953**	.083	.180
107	zRT Happy Target Hits	.943**	.850**	.899**	.958**	.977**	.967**	.957**	.952**	.831**	.154	.047
108	zRT Hits Calm	.974**	.923**	.920**	.986**	.927**	.885**	.994**	.966**	.953**	.114	.188
109	ZRT Hits CalmFear	.871**	.704**	.759**	.799**	.737**	.759**	.863**	.752**	.925**	.068	.190
110	ZRT Hits CalmHappy	.812**	.746**	.750**	.880**	.793**	.721**	.880**	.805**	.952**	.020	.147
111	zRT Hits Fear	1	.948**	.968**	.982**	.904**	.936**	.989**	.968**	.895**	.141	.166
112	ZRT Hits FearCalm	.948**	1	.928**	.945**	.826**	.821**	.934**	.967**	.790**	.315	.105
113	ZRT Hits FearHappy	.968**	.928**	1	.958**	.871**	.883**	.952**	.942**	.818**	.206	.164

		111	112	113	114	115	116	117	118	119	120	121
114	zRT Hits Happy	.982**	.945**	.958**	1	.941**	.931**	.995**	.982**	.907**	.135	.156
115	ZRT Hits HappyCalm	.904**	.826**	.871**	.941**	1	.885**	.936**	.951**	.810**	.234	.136
116	ZRT Hits HappyFear	.936**	.821**	.883**	.931**	.885**	1	.928**	.897**	.791**	.088	-.005
117	zRT Hits	.989**	.934**	.952**	.995**	.936**	.928**	1	.975**	.931**	.116	.173
118	zRT Nonemotional Distractor Hits	.968**	.967**	.942**	.982**	.951**	.897**	.975**	1	.840**	.208	.144
119	zRT Nonemotional Target Hits	.895**	.790**	.818**	.907**	.810**	.791**	.931**	.840**	1	.034	.182
120	Zero Complement Presented Framing Index	.141	.315	.206	.135	.234	.088	.116	.208	.034	1	-.134
121	Zero Complement Presented Gain Lives	.166	.105	.164	.156	.136	-.005	.173	.144	.182	-.134	1
122	Zero Complement Presented Gain Lives Signed Confidence	.224	.186	.197	.210	.159	.042	.226	.200	.217	-.048	.968**
123	Zero Complement Presented Gain Risky Choices	.135	.014	.143	.116	.115	.039	.141	.090	.206	-.311	.884**
124	Zero Complement Presented Gain Money Risky Choices	.042	-.114	.062	.018	.049	.085	.044	-.017	.166	-.432*	.396*
125	Zero Complement Presented Gain Money Signed Confidence	.060	-.085	.098	.037	.032	.144	.058	-.014	.177	-.458*	.374
126	Zero Complement Presented Gain Signed Confidence	.186	.085	.186	.165	.123	.103	.187	.131	.239	-.274	.866**
127	Zero Complement Presented Lives Framing Index	.141	.315	.206	.135	.234	.088	.116	.208	.034	1.000**	-.134
128	Zero Complement Presented Lives Signed Confidence Framing Index	.044	.202	.122	.050	.226	.005	.032	.142	-.042	.957**	-.120
129	Zero Complement Presented Loss Lives Risky Choices	.195	.289	.421*	.177	.291	.222	.160	.216	.124	.436*	.317
130	Zero Complement Presented Loss Lives Signed Confidence	.114	.199	.371	.096	.257	.150	.084	.143	.084	.389*	.358
131	Zero Complement Presented Loss Risky Choices	.216	.309	.402	.192	.331	.223	.182	.244	.162	.662**	.277
132	Zero Complement Presented Loss Money Risky Choices	.181	.247	.264	.156	.281	.159	.157	.209	.159	.743**	.151
133	Zero Complement Presented Loss Money Signed Confidence	.094	.154	.210	.083	.273	.118	.079	.144	.091	.695**	.156
134	Zero Complement Presented Loss Signed Confidence	.119	.203	.339	.103	.305	.156	.093	.164	.101	.607**	.301

		111	112	113	114	115	116	117	118	119	120	121
135	Zero Complement Presented Money Framing Index	.141	.315	.206	.135	.234	.088	.116	.208	.034	1.000**	-.134
136	Zero Complement Presented Money Signed Confidence Framing Index	.044	.202	.122	.050	.226	.005	.032	.142	-.042	.957**	-.120
137	Zero Complement Presented Signed Confidence Framing Index	.044	.202	.122	.050	.226	.005	.032	.142	-.042	.957**	-.120
138	Framing Index	-.059	-.068	.030	-.061	.142	.119	-.073	.026	-.030	.302	-.092
139	Gain Lives Risky Choices	.274	.331	.338	.264	.182	.029	.265	.255	.220	.106	.889**
140	Gain Lives Signed Confidence	.303	.366	.337	.287	.200	.057	.290	.284	.218	.178	.858**
141	Gain Risky Choices	.222	.295	.335	.211	.153	.117	.212	.183	.248	.128	.698**
142	Gain Money Risky Choices	.024	.068	.140	.017	.029	.172	.017	-.020	.150	.082	.035
143	Gain Money Signed Confidence	.009	.055	.137	.008	.019	.176	.004	-.033	.137	.068	.044
144	Gain Signed Confidence	.229	.307	.323	.217	.154	.142	.217	.190	.235	.172	.660**
145	Both Complements Presented Framing Index	.032	-.129	-.019	.009	.135	.111	.024	.060	.117	-.007	-.042
146	Both Complements Presented Gain Lives Risky Choices	.253	.365	.366	.252	.158	.074	.245	.228	.199	.096	.781**
147	Both Complements Presented Gain Lives Signed Confidence	.280	.399*	.369	.275	.189	.085	.269	.264	.186	.189	.769**
148	Both Complements Presented Gain Risky Choices	.107	.256	.286	.099	.033	.140	.087	.073	.121	.207	.508**
149	Both Complements Presented Gain Money Risky Choices	-.117	-.006	.049	-.131	-.133	.170	-.142	-.147	-.028	.238	-.060
150	Both Complements Presented Gain Money Signed Confidence	-.108	.004	.073	-.120	-.128	.153	-.132	-.141	.005	.243	-.044
151	Both Complements Presented Gain Signed Confidence	.119	.270	.283	.108	.044	.139	.097	.088	.121	.273	.481*
152	Both Complements Presented Lives Framing Index	-.135	-.244	-.096	-.123	-.029	.146	-.134	-.096	.018	-.045	-.232
153	Both Complements Presented Lives Signed Confidence Framing Index	-.180	-.303	-.131	-.181	-.034	.173	-.184	-.148	.029	-.051	-.280
154	Both Complements Presented Loss Lives Risky Choices	.107	.141	.280	.118	.124	.198	.101	.122	.204	.046	.506**

		111	112	113	114	115	116	117	118	119	120	121
155	Both Complements Presented Loss Lives Signed Confidence	.113	.150	.305	.107	.168	.231	.097	.127	.221	.145	.519**
156	Both Complements Presented Loss Risky Choices	.117	.118	.230	.090	.151	.222	.093	.113	.207	.164	.383
157	Both Complements Presented Loss Money Risky Choices	.086	.050	.089	.029	.120	.164	.053	.065	.134	.232	.120
158	Both Complements Presented Loss Money Signed Confidence	.086	.067	.141	.046	.183	.167	.062	.084	.156	.260	.184
159	Both Complements Presented Loss Signed Confidence	.114	.123	.257	.087	.207	.229	.090	.120	.218	.234	.397*
160	Both Complements Presented Money Framing Index	.198	.066	.057	.148	.239	.043	.184	.201	.164	.037	.183
161	Both Complements Presented Money Signed Confidence Framing Index	.202	.077	.090	.170	.310	.049	.199	.233	.161	.049	.248
162	Both Complements Presented Signed Confidence Framing Index	.013	-.158	.001	-.008	.199	.124	.008	.054	.130	-.002	-.023
163	Money Framing Index	.129	.132	.097	.103	.240	.024	.112	.204	.077	.447*	.197
164	Money Risky Choices	.091	.127	.181	.071	.160	.179	.076	.089	.188	.315	.137
165	Money Signed Confidence Framing Index	.063	.057	.049	.049	.247	-.039	.055	.162	.023	.420*	.223
166	Money Signed Confidence	.041	.080	.160	.033	.153	.157	.032	.051	.152	.282	.158
167	Nonzero Complement Presented Framing Index	-.217	-.303	-.203	-.194	-.046	-.038	-.205	-.134	-.141	-.149	.176
168	Nonzero Complement Presented Gain Lives Risky Choices	.310	.410*	.374	.293	.193	.000	.290	.305	.207	.301	.632**
169	Nonzero Complement Presented Gain Lives Signed Confidence	.330	.427*	.367	.305	.199	.027	.306	.319	.197	.338	.641**
170	Nonzero Complement Presented Gain Risky Choices	.296	.443*	.392	.294	.226	.104	.287	.277	.279	.365	.332
171	Nonzero Complement Presented Gain Money Risky Choices	.124	.221	.194	.138	.139	.146	.131	.102	.205	.234	-.139
172	Nonzero Complement Presented Gain Money Signed Confidence	.078	.167	.150	.101	.130	.132	.090	.072	.156	.215	-.113
173	Nonzero Complement Presented Gain Signed Confidence	.270	.409*	.346	.270	.220	.115	.263	.258	.235	.374	.332

		111	112	113	114	115	116	117	118	119	120	121
174	Nonzero Complement Presented Lives Framing Index	-.331	-.403*	-.280	-.292	-.138	.001	-.310	-.264	-.223	-.246	.010
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.325	-.383	-.238	-.294	-.095	.023	-.308	-.254	-.178	-.210	.006
176	Nonzero Complement Presented Loss Lives Risky Choices	-.100	-.077	.043	-.073	.019	.001	-.095	-.033	-.051	-.018	.515**
177	Nonzero Complement Presented Loss Lives Signed Confidence	-.068	-.031	.111	-.056	.082	.043	-.071	-.002	.005	.062	.550**
178	Nonzero Complement Presented Loss Risky Choices	-.024	.014	.099	.000	.119	.038	-.017	.054	.060	.101	.431*
179	Nonzero Complement Presented Loss Money Risky Choices	.067	.112	.129	.080	.194	.066	.074	.136	.166	.203	.212
180	Nonzero Complement Presented Loss Money Signed Confidence	-.016	.021	.055	.001	.158	.005	-.006	.065	.096	.162	.233
181	Nonzero Complement Presented Loss Signed Confidence	-.048	-.006	.099	-.032	.140	.027	-.044	.036	.059	.128	.450*
182	Nonzero Complement Presented Money Framing Index	-.042	-.090	-.053	-.042	.057	-.063	-.042	.039	-.026	-.009	.311
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.085	-.148	-.102	-.090	.023	-.118	-.087	-.004	-.058	-.043	.320
184	Nonzero Complement Presented Signed Confidence Framing Index	-.231	-.313	-.195	-.217	-.035	-.065	-.223	-.146	-.127	-.143	.182

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		122	123	124	125	126	127	128	129	130	131	132
1	Criterion	-.002	-.109	-.232	-.186	-.099	.103	.061	.094	.042	.026	-.063
2	Criterion Calm Distractor	-.017	-.244	-.434*	-.406*	-.223	.134	.077	.174	.075	.015	-.178
3	Criterion CalmFear	.260	.187	-.053	-.014	.170	-.143	-.209	-.115	-.159	-.173	-.190
4	Criterion CalmHappy	-.211	-.323	-.275	-.234	-.265	.295	.268	.013	-.079	.068	.113
5	Criterion Calm Target	.086	-.026	-.179	-.120	-.004	.054	-.042	-.081	-.150	-.090	-.075
6	Criterion Emotional Distractor	.049	-.094	-.269	-.213	-.078	.108	.029	-.058	-.122	-.080	-.083
7	Criterion Emotional Target	-.044	-.209	-.370	-.342	-.208	.143	.108	.091	.017	-.006	-.120
8	Criterion FearCalm	.037	.000	-.022	.001	.026	-.057	-.120	.060	-.014	-.003	-.076
9	Criterion FearDistractor	.087	-.096	-.315	-.228	-.060	.133	.032	.067	-.001	-.007	-.092
10	Criterion FearHappy	.128	.173	.096	.059	.119	-.188	-.174	-.248	-.271	-.222	-.129
11	Criterion Fear Target	.083	.045	-.070	-.076	.017	-.134	-.156	-.132	-.189	-.187	-.197
12	Criterion HappyCalm	-.081	-.336	-.555**	-.552**	-.343	.287	.286	.237	.138	.094	-.103
13	Criterion Happy Distractor	-.135	-.188	-.175	-.152	-.170	.109	.090	-.175	-.234	-.116	-.012
14	Criterion HappyFear	-.215	-.423*	-.503*	-.419*	-.364	.356	.280	.187	.104	.122	.010
15	Criterion Happy Target	-.149	-.412*	-.582**	-.500*	-.361	.288	.218	.178	.084	.047	-.122
16	Criterion NonEmotional Distractor	-.017	-.244	-.434*	-.406*	-.223	.134	.077	.174	.075	.015	-.178
17	Criterion NonEmotional Target	.086	-.026	-.179	-.120	-.004	.054	-.042	-.081	-.150	-.090	-.075
18	DPrime	-.006	.120	.178	.117	.057	-.081	-.060	-.024	-.123	.009	.045
19	DPrime Calm Distractor	.194	.147	.140	.157	.214	.108	.037	.291	.217	.299	.221
20	DPrime CalmFear	-.319	-.245	-.120	-.155	-.299	.040	.122	-.154	-.280	-.119	-.045
21	DPrime CalmHappy	.126	.151	.089	.066	.120	-.133	-.192	.073	.028	.005	-.077
22	DPrime Calm Target	-.094	-.028	.009	-.048	-.089	.029	.039	.031	-.046	.039	.038
23	DPrime Emotional Distractor	-.060	.027	.048	-.019	-.050	-.009	.025	-.010	-.089	.008	.026
24	DPrime Emotional Target	.188	.254	.234	.216	.240	-.070	-.066	.099	.003	.114	.099
25	DPrime FearCalm	.044	.142	.307	.335	.207	-.103	-.155	.109	.047	.128	.115
26	DPrime Fear Distractor	-.227	-.217	-.190	-.210	-.263	.023	.099	-.087	-.202	-.116	-.116
27	DPrime FearHappy	.109	.246	.199	.132	.144	-.144	-.091	-.220	-.262	-.140	-.008
28	DPrime Fear Target	.109	.289	.372	.354	.258	-.197	-.202	-.008	-.093	.029	.064

		122	123	124	125	126	127	128	129	130	131	132
29	DPrime HappyCalm	.252	.086	-.078	-.092	.123	.128	.071	.229	.180	.186	.080
30	DPrime Happy Distractor	.123	.225	.168	.118	.145	-.180	-.194	-.054	-.109	-.070	-.069
31	DPrime HappyFear	.134	.114	-.006	-.037	.072	-.217	-.155	-.149	-.196	-.219	-.238
32	DPrime Happy Target	.232	.114	-.018	-.022	.146	.049	.043	.145	.086	.111	.039
33	DPrime NonEmotional Distractor	.194	.147	.140	.157	.214	.108	.037	.291	.217	.299	.221
34	DPrime NonEmotional Target	-.094	-.028	.009	-.048	-.089	.029	.039	.031	-.046	.039	.038
35	zCorrectRejectionRate Calm Distractor	.093	-.105	-.253	-.223	-.053	.161	.078	.291	.175	.174	-.015
36	zCorrectRejectionRate CalmFear	-.038	-.039	-.125	-.122	-.090	-.076	-.066	-.194	-.317	-.211	-.171
37	zCorrectRejectionRate CalmHappy	-.012	-.053	-.078	-.074	-.047	.053	-.012	.068	-.021	.042	-.001
38	zCorrectRejectionRate Calm Target	-.030	-.036	-.087	-.103	-.074	.052	.009	-.018	-.116	-.016	-.009
39	zCorrectRejectionRate Emotional Distractor	-.016	-.032	-.111	-.129	-.078	.052	.034	-.038	-.130	-.038	-.027
40	zCorrectRejectionRate Emotional Target	.051	-.050	-.188	-.174	-.056	.082	.056	.118	.015	.047	-.050
41	zCorrectRejectionRate FearCalm	.049	.083	.165	.196	.137	-.096	-.167	.102	.019	.073	.019
42	zCorrectRejectionRate Fear Distractor	-.086	-.208	-.344	-.296	-.213	.108	.087	-.010	-.132	-.080	-.140
43	zCorrectRejectionRate FearHappy	.127	.228	.163	.106	.142	-.177	-.140	-.251	-.286	-.192	-.070
44	zCorrectRejectionRate Fear Target	.119	.194	.159	.146	.157	-.204	-.223	-.097	-.184	-.114	-.101
45	zCorrectRejectionRate HappyCalm	.093	-.194	-.455*	-.462*	-.177	.289	.253	.313	.211	.182	-.027
46	zCorrectRejectionRate Happy Distractor	.017	.062	.028	.004	.014	-.071	-.091	-.131	-.202	-.112	-.056
47	zCorrectRejectionRate HappyFear	-.099	-.267	-.384	-.335	-.242	.167	.139	.072	-.014	-.011	-.105
48	zCorrectRejectionRate Happy Target	.015	-.233	-.423*	-.366	-.181	.230	.177	.201	.104	.091	-.066
49	zCorrectRejectionRate NonEmotional Distractor	.093	-.105	-.253	-.223	-.053	.161	.078	.291	.175	.174	-.015
50	zCorrectRejectionRate NonEmotional Target	-.030	-.036	-.087	-.103	-.074	.052	.009	-.018	-.116	-.016	-.009
51	zFalseAlarmRate Calm Distractor	-.093	.105	.253	.223	.053	-.161	-.078	-.291	-.175	-.174	.015
52	zFalseAlarmRate CalmFear	.038	.039	.125	.122	.090	.076	.066	.194	.317	.211	.171
53	zFalseAlarmRate CalmHappy	.012	.053	.078	.074	.047	-.053	.012	-.068	.021	-.042	.001
54	zFalseAlarmRate Calm Target	.030	.036	.087	.103	.074	-.052	-.009	.018	.116	.016	.009
55	zFalseAlarmRate Emotional Distractor	.016	.032	.111	.129	.078	-.052	-.034	.038	.130	.038	.027

		122	123	124	125	126	127	128	129	130	131	132
56	zFalseAlarmRate Emotional Target	-.051	.050	.188	.174	.056	-.082	-.056	-.118	-.015	-.047	.050
57	zFalseAlarmRate FearCalm	-.049	-.083	-.165	-.196	-.137	.096	.167	-.102	-.019	-.073	-.019
58	zFalseAlarmRate Fear Distractor	.086	.208	.344	.296	.213	-.108	-.087	.010	.132	.080	.140
59	zFalseAlarmRate FearHappy	-.099	-.190	-.120	-.044	-.091	.171	.121	.244	.282	.202	.095
60	zFalseAlarmRate Fear Target	-.119	-.194	-.159	-.146	-.157	.204	.223	.097	.184	.114	.101
61	zFalseAlarmRate HappyCalm	-.093	.194	.455*	.462*	.177	-.289	-.253	-.313	-.211	-.182	.027
62	zFalseAlarmRate Happy Distractor	-.017	-.062	-.028	-.004	-.014	.071	.091	.131	.202	.112	.056
63	zFalseAlarmRate HappyFear	.099	.267	.384	.335	.242	-.167	-.139	-.072	.014	.011	.105
64	zFalseAlarmRate Happy Target	-.015	.233	.423*	.366	.181	-.230	-.177	-.201	-.104	-.091	.066
65	zFalseAlarmRate NonEmotional Distractor	-.093	.105	.253	.223	.053	-.161	-.078	-.291	-.175	-.174	.015
66	zFalseAlarmRate NonEmotional Target	.030	.036	.087	.103	.074	-.052	-.009	.018	.116	.016	.009
67	zHitRate Calm Distractor	.137	.307	.469*	.456*	.330	-.049	-.044	.030	.071	.175	.295
68	zHitRate CalmFear	-.404	-.298	-.043	-.100	-.329	.129	.238	-.026	-.081	.041	.106
69	zHitRate CalmHappy	.224	.307	.228	.186	.249	-.275	-.310	.054	.068	-.034	-.127
70	zHitRate Calm Target	-.130	-.010	.109	.026	-.075	-.005	.058	.072	.045	.085	.075
71	zHitRate Emotional Distractor	-.088	.090	.231	.130	.008	-.083	.003	.031	.003	.063	.082
72	zHitRate Emotional Target	.145	.341	.485*	.448*	.332	-.176	-.140	-.034	-.015	.069	.170
73	zHitRate FearCalm	.003	.117	.273	.276	.147	-.033	-.018	.036	.052	.109	.163
74	zHitRate Fear Distractor	-.230	-.081	.107	.026	-.143	-.086	.046	-.114	-.144	-.078	-.012
75	zHitRate FearHappy	-.005	.132	.162	.114	.056	.030	.088	-.003	-.034	.078	.149
76	zHitRate Fear Target	.003	.168	.332	.324	.171	-.022	-.005	.113	.103	.189	.223
77	zHitRate HappyCalm	.250	.332	.397	.385	.366	-.139	-.179	-.035	.012	.059	.155
78	zHitRate Happy Distractor	.209	.341	.278	.215	.254	-.244	-.243	.070	.060	.014	-.056
79	zHitRate HappyFear	.292	.487*	.493*	.387	.401	-.481*	-.369	-.273	-.220	-.252	-.152
80	zHitRate Happy Target	.306	.477*	.548**	.466*	.451*	-.243	-.180	-.069	-.021	.033	.145
81	zHitRate NonEmotional Distractor	.137	.307	.469*	.456*	.330	-.049	-.044	.030	.071	.175	.295
82	zHitRate NonEmotional Target	-.130	-.010	.109	.026	-.075	-.005	.058	.072	.045	.085	.075
83	zMissRate Calm Distractor	-.137	-.307	-.469*	-.456*	-.330	.049	.044	-.030	-.071	-.175	-.295
84	zMissRate CalmFear	.404	.298	.043	.100	.329	-.129	-.238	.026	.081	-.041	-.106

		122	123	124	125	126	127	128	129	130	131	132
85	zMissRate CalmHappy	-.224	-.307	-.228	-.186	-.249	.275	.310	-.054	-.068	.034	.127
86	zMissRate Calm Target	.130	.010	-.109	-.026	.075	.005	-.058	-.072	-.045	-.085	-.075
87	zMissRate Emotional Distractor	.088	-.090	-.231	-.130	-.008	.083	-.003	-.031	-.003	-.063	-.082
88	zMissRate Emotional Target	-.145	-.341	-.485*	-.448*	-.332	.176	.140	.034	.015	-.069	-.170
89	zMissRate FearCalm	-.003	-.117	-.273	-.276	-.147	.033	.018	-.036	-.052	-.109	-.163
90	zMissRate Fear Distractor	.230	.081	-.107	-.026	.143	.086	-.046	.114	.144	.078	.012
91	zMissRate FearHappy	.005	-.132	-.162	-.114	-.056	-.030	-.088	.003	.034	-.078	-.149
92	zMissRate Fear Target	-.003	-.168	-.332	-.324	-.171	.022	.005	-.113	-.103	-.189	-.223
93	zMissRate HappyCalm	-.250	-.332	-.397	-.385	-.366	.139	.179	.035	-.012	-.059	-.155
94	zMissRate Happy Distractor	-.209	-.341	-.278	-.215	-.254	.244	.243	-.070	-.060	-.014	.056
95	zMissRate HappyFear	-.292	-.487*	-.493*	-.387	-.401	.481*	.369	.273	.220	.252	.152
96	zMissRate Happy Target	-.306	-.477*	-.548**	-.466*	-.451*	.243	.180	.069	.021	-.033	-.145
97	zMissRate NonEmotional Distractor	-.137	-.307	-.469*	-.456*	-.330	.049	.044	-.030	-.071	-.175	-.295
98	zMissRate NonEmotional Target	.130	.010	-.109	-.026	.075	.005	-.058	-.072	-.045	-.085	-.075
99	zRT AllRuns Hits	.226	.141	.044	.058	.187	.116	.032	.160	.084	.182	.157
100	zRT Calm Distractor Hits	.200	.090	-.017	-.014	.131	.208	.142	.216	.143	.244	.209
101	zRT Calm Target Hits	.217	.206	.166	.177	.239	.034	-.042	.124	.084	.162	.159
102	zRT Emotional Distractor Hits	.184	.174	.144	.161	.208	.084	.009	.214	.164	.238	.198
103	zRT Emotional Target Hits	.194	.102	.010	.026	.147	.167	.087	.219	.139	.233	.185
104	zRT Fear Distractor Hits	.165	.162	.168	.208	.220	.058	-.024	.182	.133	.214	.188
105	zRT Fear Target Hits	.220	.074	-.060	-.026	.140	.254	.144	.307	.219	.307	.222
106	zRT Happy Distractor Hits	.213	.180	.115	.140	.218	.083	.007	.209	.160	.224	.175
107	zRT Happy Target Hits	.065	.068	.072	.067	.079	.154	.124	.262	.221	.280	.219
108	zRT Hits Calm	.243	.152	.046	.052	.195	.114	.035	.132	.060	.164	.155
109	ZRT Hits CalmFear	.243	.223	.187	.215	.278	.068	-.008	.206	.172	.240	.209
110	ZRT Hits CalmHappy	.181	.150	.100	.123	.187	.020	-.048	.077	.032	.099	.096
111	zRT Hits Fear	.224	.135	.042	.060	.186	.141	.044	.195	.114	.216	.181
112	ZRT Hits FearCalm	.186	.014	-.114	-.085	.085	.315	.202	.289	.199	.309	.247
113	ZRT Hits FearHappy	.197	.143	.062	.098	.186	.206	.122	.421*	.371	.402	.264

		122	123	124	125	126	127	128	129	130	131	132
114	zRT Hits Happy	.210	.116	.018	.037	.165	.135	.050	.177	.096	.192	.156
115	ZRT Hits HappyCalm	.159	.115	.049	.032	.123	.234	.226	.291	.257	.331	.281
116	ZRT Hits HappyFear	.042	.039	.085	.144	.103	.088	.005	.222	.150	.223	.159
117	zRT Hits	.226	.141	.044	.058	.187	.116	.032	.160	.084	.182	.157
118	zRT Nonemotional Distractor Hits	.200	.090	-.017	-.014	.131	.208	.142	.216	.143	.244	.209
119	zRT Nonemotional Target Hits	.217	.206	.166	.177	.239	.034	-.042	.124	.084	.162	.159
120	Zero Complement Presented Framing Index	-.048	-.311	-.432*	-.458*	-.274	1.000**	.957**	.436*	.389*	.662**	.743**
121	Zero Complement Presented Gain Lives	.968**	.884**	.396*	.374	.866**	-.134	-.120	.317	.358	.277	.151
122	Zero Complement Presented Gain Lives Signed Confidence	1	.842**	.355	.337	.869**	-.048	-.052	.358	.401*	.335	.212
123	Zero Complement Presented Gain Risky Choices	.842**	1	.778**	.749**	.976**	-.311	-.282	.251	.309	.286	.247
124	Zero Complement Presented Gain Money Risky Choices	.355	.778**	1	.970**	.755**	-.432*	-.394*	.068	.127	.191	.283
125	Zero Complement Presented Gain Money Signed Confidence	.337	.749**	.970**	1	.759**	-.458*	-.467*	.032	.096	.142	.233
126	Zero Complement Presented Gain Signed Confidence	.869**	.976**	.755**	.759**	1	-.274	-.282	.264	.328	.306	.269
127	Zero Complement Presented Lives Framing Index	-.048	-.311	-.432*	-.458*	-.274	1	.957**	.436*	.389*	.662**	.743**
128	Zero Complement Presented Lives Signed Confidence Framing Index	-.052	-.282	-.394*	-.467*	-.282	.957**	1	.459*	.424*	.667**	.725**
129	Zero Complement Presented Loss Lives Risky Choices	.358	.251	.068	.032	.264	.436*	.459*	1	.965**	.893**	.514**
130	Zero Complement Presented Loss Lives Signed Confidence	.401*	.309	.127	.096	.328	.389*	.424*	.965**	1	.868**	.508**
131	Zero Complement Presented Loss Risky Choices	.335	.286	.191	.142	.306	.662**	.667**	.893**	.868**	1	.845**
132	Zero Complement Presented Loss Money Risky Choices	.212	.247	.283	.233	.269	.743**	.725**	.514**	.508**	.845**	1
133	Zero Complement Presented Loss Money Signed Confidence	.202	.266	.313	.256	.274	.695**	.735**	.526**	.537**	.838**	.971**
134	Zero Complement Presented Loss Signed Confidence	.351	.329	.244	.195	.345	.607**	.649**	.866**	.893**	.973**	.827**

		122	123	124	125	126	127	128	129	130	131	132
135	Zero Complement Presented Money Framing Index	-.048	-.311	-.432*	-.458*	-.274	1.000**	.957**	.436*	.389*	.662**	.743**
136	Zero Complement Presented Money Signed Confidence Framing Index	-.052	-.282	-.394*	-.467*	-.282	.957**	1.000**	.459*	.424*	.667**	.725**
137	Zero Complement Presented Signed Confidence Framing Index	-.052	-.282	-.394*	-.467*	-.282	.957**	1.000**	.459*	.424*	.667**	.725**
138	Framing Index	-.037	-.026	.074	.000	-.026	.302	.354	.456*	.475*	.482*	.376
139	Gain Lives Risky Choices	.918**	.703**	.188	.185	.732**	.106	.073	.502**	.518**	.445*	.252
140	Gain Lives Signed Confidence	.925**	.669**	.163	.156	.721**	.178	.147	.524**	.534**	.489*	.310
141	Gain Risky Choices	.737**	.717**	.474*	.514**	.780**	.128	.079	.485*	.513**	.558**	.488*
142	Gain Money Risky Choices	.065	.317	.577**	.651**	.388	.082	.040	.178	.206	.382	.516**
143	Gain Money Signed Confidence	.074	.313	.557**	.651**	.393*	.068	.007	.157	.196	.352	.485*
144	Gain Signed Confidence	.727**	.681**	.454*	.505**	.768**	.172	.113	.481*	.512**	.572**	.519**
145	Both Complements Presented Framing Index	-.004	.136	.323	.235	.121	-.007	.044	.198	.217	.245	.232
146	Both Complements Presented Gain Lives Risky Choices	.834**	.616**	.162	.193	.678**	.096	.033	.413*	.447*	.374	.223
147	Both Complements Presented Gain Lives Signed Confidence	.854**	.591**	.127	.147	.668**	.189	.138	.469*	.491*	.447*	.296
148	Both Complements Presented Gain Risky Choices	.581**	.468*	.236	.324	.572**	.207	.120	.387	.429*	.448*	.395*
149	Both Complements Presented Gain Money Risky Choices	.001	.066	.211	.324	.171	.238	.165	.169	.201	.320	.409*
150	Both Complements Presented Gain Money Signed Confidence	.019	.079	.214	.324	.183	.243	.154	.158	.204	.318	.417*
151	Both Complements Presented Gain Signed Confidence	.574**	.437*	.214	.295	.552**	.273	.185	.406*	.448*	.488*	.449*
152	Both Complements Presented Lives Framing Index	-.213	-.072	.170	.170	-.058	-.045	-.020	.147	.172	.132	.078
153	Both Complements Presented Lives Signed Confidence Framing Index	-.300	-.092	.195	.184	-.110	-.051	-.024	.133	.170	.130	.091
154	Both Complements Presented Loss Lives Risky Choices	.574**	.504**	.311	.339	.575**	.046	.012	.522**	.577**	.472*	.281

		122	123	124	125	126	127	128	129	130	131	132
155	Both Complements Presented Loss Lives Signed Confidence	.586**	.517**	.320	.330	.579**	.145	.119	.611**	.670**	.586**	.392*
156	Both Complements Presented Loss Risky Choices	.476*	.505**	.480*	.474*	.578**	.164	.138	.493*	.545**	.586**	.530**
157	Both Complements Presented Loss Money Risky Choices	.207	.332	.492*	.452*	.381	.232	.223	.292	.322	.503**	.612**
158	Both Complements Presented Loss Money Signed Confidence	.252	.391*	.522**	.486*	.430*	.260	.264	.350	.390*	.567**	.664**
159	Both Complements Presented Loss Signed Confidence	.475*	.519**	.487*	.471*	.576**	.234	.222	.546**	.602**	.661**	.611**
160	Both Complements Presented Money Framing Index	.223	.299	.342	.198	.259	.037	.093	.164	.167	.256	.293
161	Both Complements Presented Money Signed Confidence Framing Index	.261	.357	.369	.219	.296	.049	.141	.232	.232	.315	.325
162	Both Complements Presented Signed Confidence Framing Index	-.027	.170	.365	.261	.119	-.002	.076	.237	.260	.289	.269
163	Money Framing Index	.249	.143	.017	-.107	.116	.447*	.484*	.370	.367	.486*	.488*
164	Money Risky Choices	.194	.379	.562**	.567**	.432*	.315	.294	.366	.391*	.622**	.752**
165	Money Signed Confidence Framing Index	.253	.180	.053	-.101	.122	.420*	.522**	.399*	.402*	.503**	.486*
166	Money Signed Confidence	.203	.402*	.578**	.592**	.452*	.282	.275	.359	.399*	.606**	.729**
167	Nonzero Complement Presented Framing Index	.176	.224	.205	.159	.206	-.149	-.082	.128	.201	.077	-.006
168	Nonzero Complement Presented Gain Lives Risky Choices	.681**	.417*	-.030	-.050	.444*	.301	.269	.612**	.580**	.537**	.298
169	Nonzero Complement Presented Gain Lives Signed Confidence	.707**	.428*	-.021	-.046	.464*	.338	.314	.617**	.580**	.565**	.345
170	Nonzero Complement Presented Gain Risky Choices	.388	.318	.180	.211	.379	.365	.313	.521**	.491*	.599**	.522**
171	Nonzero Complement Presented Gain Money Risky Choices	-.105	.052	.290	.354	.113	.234	.190	.155	.142	.340	.463*
172	Nonzero Complement Presented Gain Money Signed Confidence	-.087	.079	.309	.381	.141	.215	.179	.155	.151	.337	.458*
173	Nonzero Complement Presented Gain Signed Confidence	.393*	.334	.210	.246	.401*	.374	.332	.510**	.484*	.609**	.554**

		122	123	124	125	126	127	128	129	130	131	132
174	Nonzero Complement Presented Lives Framing Index	.016	.143	.269	.271	.154	-.246	-.183	.041	.137	-.007	-.062
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.008	.133	.253	.246	.124	-.210	-.146	.079	.180	.031	-.036
176	Nonzero Complement Presented Loss Lives Risky Choices	.561**	.483*	.258	.244	.516**	-.018	.022	.531**	.607**	.422*	.173
177	Nonzero Complement Presented Loss Lives Signed Confidence	.590**	.504**	.253	.224	.526**	.062	.110	.608**	.684**	.512**	.253
178	Nonzero Complement Presented Loss Risky Choices	.472*	.474*	.354	.326	.498**	.101	.136	.516**	.573**	.515**	.370
179	Nonzero Complement Presented Loss Money Risky Choices	.235	.326	.357	.323	.332	.203	.223	.348	.369	.469*	.481*
180	Nonzero Complement Presented Loss Money Signed Confidence	.248	.379	.433*	.387	.375	.162	.215	.344	.380	.474*	.494*
181	Nonzero Complement Presented Loss Signed Confidence	.482*	.507**	.392*	.349	.517**	.128	.185	.547**	.611**	.565**	.427*
182	Nonzero Complement Presented Money Framing Index	.304	.256	.087	.001	.211	-.009	.047	.190	.220	.147	.055
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.310	.283	.126	.016	.223	-.043	.039	.181	.218	.138	.047
184	Nonzero Complement Presented Signed Confidence Framing Index	.168	.232	.213	.148	.194	-.143	-.061	.146	.223	.094	.006

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		133	134	135	136	137	138	139	140	141	142	143
1	Criterion	-.075	-.015	.103	.061	.061	-.398*	.153	.107	.225	.189	.188
2	Criterion Calm Distractor	-.231	-.080	.134	.077	.077	-.224	.172	.149	.036	-.165	-.166
3	Criterion CalmFear	-.242	-.229	-.143	-.209	-.209	-.621**	.293	.235	.252	.054	.075
4	Criterion CalmHappy	.117	.015	.295	.268	.268	-.317	-.066	-.043	.131	.323	.298
5	Criterion Calm Target	-.141	-.168	.054	-.042	-.042	-.521**	.192	.149	.259	.207	.221
6	Criterion Emotional Distractor	-.134	-.147	.108	.029	.029	-.597**	.191	.156	.235	.165	.169
7	Criterion Emotional Target	-.146	-.069	.143	.108	.108	-.466*	.154	.130	.098	-.031	-.050
8	Criterion FearCalm	-.129	-.078	-.057	-.120	-.120	-.079	.097	.062	.108	.058	.053
9	Criterion FearDistractor	-.142	-.078	.133	.032	.032	-.539**	.278	.240	.305	.178	.211
10	Criterion FearHappy	-.147	-.244	-.188	-.174	-.174	-.577**	.089	.061	.079	.020	-.028
11	Criterion Fear Target	-.234	-.242	-.134	-.156	-.156	-.475*	.116	.084	.051	-.065	-.099
12	Criterion HappyCalm	-.111	.024	.287	.286	.286	-.184	.138	.127	.018	-.153	-.159
13	Criterion Happy Distractor	-.018	-.153	.109	.090	.090	-.482*	-.070	-.065	.078	.232	.193
14	Criterion HappyFear	-.013	.056	.356	.280	.280	-.282	.045	.043	.092	.105	.107
15	Criterion Happy Target	-.147	-.028	.288	.218	.218	-.163	.066	.060	.006	-.077	-.053
16	Criterion NonEmotional Distractor	-.231	-.080	.134	.077	.077	-.224	.172	.149	.036	-.165	-.166
17	Criterion NonEmotional Target	-.141	-.168	.054	-.042	-.042	-.521**	.192	.149	.259	.207	.221
18	DPrime	.024	-.061	-.081	-.060	-.060	-.221	.081	.032	.119	.100	.034
19	DPrime Calm Distractor	.164	.221	.108	.037	.037	.246	.230	.262	.295	.220	.227
20	DPrime CalmFear	.015	-.161	.040	.122	.122	-.126	-.283	-.283	-.187	.050	-.023
21	DPrime CalmHappy	-.163	-.072	-.133	-.192	-.192	-.136	.209	.147	.087	-.124	-.143
22	DPrime Calm Target	.006	-.025	.029	.039	.039	-.241	.049	-.003	.023	-.024	-.086
23	DPrime Emotional Distractor	.014	-.047	-.009	.025	.025	-.352	.076	.021	.068	.020	-.047
24	DPrime Emotional Target	.094	.053	-.070	-.066	-.066	-.298	.251	.237	.368	.324	.293
25	DPrime FearCalm	.086	.075	-.103	-.155	-.155	.104	.054	.066	.239	.345	.345
26	DPrime Fear Distractor	-.054	-.152	.023	.099	.099	-.231	-.150	-.158	-.112	-.001	-.061
27	DPrime FearHappy	.001	-.157	-.144	-.091	-.091	-.588**	.088	.039	.098	.057	.009
28	DPrime Fear Target	.050	-.029	-.197	-.202	-.202	-.414*	.153	.118	.318	.365	.328

		133	134	135	136	137	138	139	140	141	142	143
29	DPrime HappyCalm	.008	.114	.128	.071	.071	.431*	.206	.238	.071	-.149	-.143
30	DPrime Happy Distractor	-.125	-.134	-.180	-.194	-.194	-.436*	.220	.134	.153	-.020	-.058
31	DPrime HappyFear	-.203	-.230	-.217	-.155	-.155	-.098	.093	.068	.004	-.118	-.121
32	DPrime Happy Target	.030	.069	.049	.043	.043	.237	.168	.217	.136	.019	.017
33	DPrime NonEmotional Distractor	.164	.221	.108	.037	.037	.246	.230	.262	.295	.220	.227
34	DPrime NonEmotional Target	.006	-.025	.029	.039	.039	-.241	.049	-.003	.023	-.024	-.086
35	zCorrectRejectionRate Calm Distractor	-.086	.060	.161	.078	.078	-.036	.256	.256	.188	-.005	-.003
36	zCorrectRejectionRate CalmFear	-.167	-.282	-.076	-.066	-.066	-.544**	.011	-.030	.050	.075	.038
37	zCorrectRejectionRate CalmHappy	-.071	-.051	.053	-.012	-.012	-.288	.136	.098	.144	.076	.046
38	zCorrectRejectionRate Calm Target	-.070	-.109	.052	.009	.009	-.471*	.141	.076	.155	.090	.047
39	zCorrectRejectionRate Emotional Distractor	-.063	-.113	.052	.034	.034	-.575**	.158	.100	.176	.104	.058
40	zCorrectRejectionRate Emotional Target	-.074	-.031	.082	.056	.056	-.507**	.237	.211	.246	.123	.094
41	zCorrectRejectionRate FearCalm	-.033	-.006	-.096	-.167	-.167	.010	.093	.078	.208	.238	.235
42	zCorrectRejectionRate Fear Distractor	-.134	-.153	.108	.087	.087	-.527**	.097	.066	.140	.124	.108
43	zCorrectRejectionRate FearHappy	-.073	-.213	-.177	-.140	-.140	-.628**	.095	.053	.096	.043	-.009
44	zCorrectRejectionRate Fear Target	-.135	-.186	-.204	-.223	-.223	-.564**	.167	.125	.213	.159	.115
45	zCorrectRejectionRate HappyCalm	-.077	.087	.289	.253	.253	.127	.227	.238	.056	-.203	-.204
46	zCorrectRejectionRate Happy Distractor	-.099	-.177	-.071	-.091	-.091	-.567**	.121	.061	.151	.109	.061
47	zCorrectRejectionRate HappyFear	-.106	-.066	.167	.139	.139	-.260	.078	.065	.072	.024	.024
48	zCorrectRejectionRate Happy Target	-.088	.015	.230	.177	.177	.007	.134	.155	.075	-.045	-.029
49	zCorrectRejectionRate NonEmotional Distractor	-.086	.060	.161	.078	.078	-.036	.256	.256	.188	-.005	-.003
50	zCorrectRejectionRate NonEmotional Target	-.070	-.109	.052	.009	.009	-.471*	.141	.076	.155	.090	.047
51	zFalseAlarmRate Calm Distractor	.086	-.060	-.161	-.078	-.078	.036	-.256	-.256	-.188	.005	.003
52	zFalseAlarmRate CalmFear	.167	.282	.076	.066	.066	.544**	-.011	.030	-.050	-.075	-.038
53	zFalseAlarmRate CalmHappy	.071	.051	-.053	.012	.012	.288	-.136	-.098	-.144	-.076	-.046
54	zFalseAlarmRate Calm Target	.070	.109	-.052	-.009	-.009	.471*	-.141	-.076	-.155	-.090	-.047
55	zFalseAlarmRate Emotional Distractor	.063	.113	-.052	-.034	-.034	.575**	-.158	-.100	-.176	-.104	-.058

		133	134	135	136	137	138	139	140	141	142	143
56	zFalseAlarmRate Emotional Target	.074	.031	-.082	-.056	-.056	.507**	-.237	-.211	-.246	-.123	-.094
57	zFalseAlarmRate FearCalm	.033	.006	.096	.167	.167	-.010	-.093	-.078	-.208	-.238	-.235
58	zFalseAlarmRate Fear Distractor	.134	.153	-.108	-.087	-.087	.527**	-.097	-.066	-.140	-.124	-.108
59	zFalseAlarmRate FearHappy	.099	.224	.171	.121	.121	.559**	-.084	-.037	-.057	.013	.066
60	zFalseAlarmRate Fear Target	.135	.186	.204	.223	.223	.564**	-.167	-.125	-.213	-.159	-.115
61	zFalseAlarmRate HappyCalm	.077	-.087	-.289	-.253	-.253	-.127	-.227	-.238	-.056	.203	.204
62	zFalseAlarmRate Happy Distractor	.099	.177	.071	.091	.091	.567**	-.121	-.061	-.151	-.109	-.061
63	zFalseAlarmRate HappyFear	.106	.066	-.167	-.139	-.139	.260	-.078	-.065	-.072	-.024	-.024
64	zFalseAlarmRate Happy Target	.088	-.015	-.230	-.177	-.177	-.007	-.134	-.155	-.075	.045	.029
65	zFalseAlarmRate NonEmotional Distractor	.086	-.060	-.161	-.078	-.078	.036	-.256	-.256	-.188	.005	.003
66	zFalseAlarmRate NonEmotional Target	.070	.109	-.052	-.009	-.009	.471*	-.141	-.076	-.155	-.090	-.047
67	zHitRate Calm Distractor	.306	.210	-.049	-.044	-.044	.352	-.006	.034	.154	.284	.289
68	zHitRate CalmFear	.184	.053	.129	.238	.238	.349	-.405	-.363	-.317	-.016	-.083
69	zHitRate CalmHappy	-.202	-.068	-.275	-.310	-.310	.063	.212	.148	.000	-.283	-.286
70	zHitRate Calm Target	.085	.074	-.005	.058	.058	.085	-.066	-.086	-.126	-.138	-.200
71	zHitRate Emotional Distractor	.105	.059	-.083	.003	.003	.091	-.063	-.089	-.100	-.096	-.160
72	zHitRate Emotional Target	.193	.096	-.176	-.140	-.140	.284	-.010	.006	.108	.208	.210
73	zHitRate FearCalm	.188	.132	-.033	-.018	-.018	.158	-.043	-.002	.099	.231	.236
74	zHitRate Fear Distractor	.071	-.049	-.086	.046	.046	.250	-.322	-.299	-.315	-.138	-.207
75	zHitRate FearHappy	.185	.081	.030	.088	.088	-.115	.014	-.020	.041	.056	.047
76	zHitRate Fear Target	.246	.197	-.022	-.005	-.005	.129	.006	.010	.184	.322	.326
77	zHitRate HappyCalm	.110	.066	-.139	-.179	-.179	.445*	.035	.070	.042	.028	.040
78	zHitRate Happy Distractor	-.104	-.020	-.244	-.243	-.243	-.075	.254	.170	.090	-.179	-.187
79	zHitRate HappyFear	-.108	-.193	-.481*	-.369	-.369	.213	.018	.002	-.088	-.182	-.189
80	zHitRate Happy Target	.163	.076	-.243	-.180	-.180	.324	.055	.095	.090	.087	.063
81	zHitRate NonEmotional Distractor	.306	.210	-.049	-.044	-.044	.352	-.006	.034	.154	.284	.289
82	zHitRate NonEmotional Target	.085	.074	-.005	.058	.058	.085	-.066	-.086	-.126	-.138	-.200
83	zMissRate Calm Distractor	-.306	-.210	.049	.044	.044	-.352	.006	-.034	-.154	-.284	-.289
84	zMissRate CalmFear	-.184	-.053	-.129	-.238	-.238	-.349	.405	.363	.317	.016	.083

		133	134	135	136	137	138	139	140	141	142	143
85	zMissRate CalmHappy	.202	.068	.275	.310	.310	-.063	-.212	-.148	.000	.283	.286
86	zMissRate Calm Target	-.085	-.074	.005	-.058	-.058	-.085	.066	.086	.126	.138	.200
87	zMissRate Emotional Distractor	-.105	-.059	.083	-.003	-.003	-.091	.063	.089	.100	.096	.160
88	zMissRate Emotional Target	-.193	-.096	.176	.140	.140	-.284	.010	-.006	-.108	-.208	-.210
89	zMissRate FearCalm	-.188	-.132	.033	.018	.018	-.158	.043	.002	-.099	-.231	-.236
90	zMissRate Fear Distractor	-.071	.049	.086	-.046	-.046	-.250	.322	.299	.315	.138	.207
91	zMissRate FearHappy	-.185	-.081	-.030	-.088	-.088	.115	-.014	.020	-.041	-.056	-.047
92	zMissRate Fear Target	-.246	-.197	.022	.005	.005	-.129	-.006	-.010	-.184	-.322	-.326
93	zMissRate HappyCalm	-.110	-.066	.139	.179	.179	-.445*	-.035	-.070	-.042	-.028	-.040
94	zMissRate Happy Distractor	.104	.020	.244	.243	.243	.075	-.254	-.170	-.090	.179	.187
95	zMissRate HappyFear	.108	.193	.481*	.369	.369	-.213	-.018	-.002	.088	.182	.189
96	zMissRate Happy Target	-.163	-.076	.243	.180	.180	-.324	-.055	-.095	-.090	-.087	-.063
97	zMissRate NonEmotional Distractor	-.306	-.210	.049	.044	.044	-.352	.006	-.034	-.154	-.284	-.289
98	zMissRate NonEmotional Target	-.085	-.074	.005	-.058	-.058	-.085	.066	.086	.126	.138	.200
99	zRT AllRuns Hits	.079	.093	.116	.032	.032	-.073	.265	.290	.212	.017	.004
100	zRT Calm Distractor Hits	.144	.164	.208	.142	.142	.026	.255	.284	.183	-.020	-.033
101	zRT Calm Target Hits	.091	.101	.034	-.042	-.042	-.030	.220	.218	.248	.150	.137
102	zRT Emotional Distractor Hits	.136	.174	.084	.009	.009	.031	.212	.213	.230	.128	.118
103	zRT Emotional Target Hits	.115	.146	.167	.087	.087	-.016	.253	.280	.193	-.001	-.012
104	zRT Fear Distractor Hits	.135	.155	.058	-.024	-.024	.106	.102	.135	.173	.175	.170
105	zRT Fear Target Hits	.136	.204	.254	.144	.144	-.097	.360	.387	.312	.060	.049
106	zRT Happy Distractor Hits	.117	.161	.083	.007	.007	.029	.263	.256	.264	.121	.122
107	zRT Happy Target Hits	.191	.238	.154	.124	.124	.081	.110	.113	.116	.060	.044
108	zRT Hits Calm	.078	.078	.114	.035	.035	-.078	.271	.296	.216	.016	.001
109	ZRT Hits CalmFear	.157	.190	.068	-.008	-.008	-.060	.211	.248	.294	.241	.225
110	ZRT Hits CalmHappy	.042	.042	.020	-.048	-.048	-.080	.210	.199	.242	.153	.153
111	zRT Hits Fear	.094	.119	.141	.044	.044	-.059	.274	.303	.222	.024	.009
112	ZRT Hits FearCalm	.154	.203	.315	.202	.202	-.068	.331	.366	.295	.068	.055
113	ZRT Hits FearHappy	.210	.339	.206	.122	.122	.030	.338	.337	.335	.140	.137

		133	134	135	136	137	138	139	140	141	142	143
114	zRT Hits Happy	.083	.103	.135	.050	.050	-.061	.264	.287	.211	.017	.008
115	ZRT Hits HappyCalm	.273	.305	.234	.226	.226	.142	.182	.200	.153	.029	.019
116	ZRT Hits HappyFear	.118	.156	.088	.005	.005	.119	.029	.057	.117	.172	.176
117	zRT Hits	.079	.093	.116	.032	.032	-.073	.265	.290	.212	.017	.004
118	zRT Nonemotional Distractor Hits	.144	.164	.208	.142	.142	.026	.255	.284	.183	-.020	-.033
119	zRT Nonemotional Target Hits	.091	.101	.034	-.042	-.042	-.030	.220	.218	.248	.150	.137
120	Zero Complement Presented Framing Index	.695**	.607**	1.000**	.957**	.957**	.302	.106	.178	.128	.082	.068
121	Zero Complement Presented Gain Lives	.156	.301	-.134	-.120	-.120	-.092	.889**	.858**	.698**	.035	.044
122	Zero Complement Presented Gain Lives Signed Confidence	.202	.351	-.048	-.052	-.052	-.037	.918**	.925**	.737**	.065	.074
123	Zero Complement Presented Gain Risky Choices	.266	.329	-.311	-.282	-.282	-.026	.703**	.669**	.717**	.317	.313
124	Zero Complement Presented Gain Money Risky Choices	.313	.244	-.432*	-.394*	-.394*	.074	.188	.163	.474*	.577**	.557**
125	Zero Complement Presented Gain Money Signed Confidence	.256	.195	-.458*	-.467*	-.467*	.000	.185	.156	.514**	.651**	.651**
126	Zero Complement Presented Gain Signed Confidence	.274	.345	-.274	-.282	-.282	-.026	.732**	.721**	.780**	.388	.393*
127	Zero Complement Presented Lives Framing Index	.695**	.607**	1.000**	.957**	.957**	.302	.106	.178	.128	.082	.068
128	Zero Complement Presented Lives Signed Confidence Framing Index	.735**	.649**	.957**	1.000**	1.000**	.354	.073	.147	.079	.040	.007
129	Zero Complement Presented Loss Lives Risky Choices	.526**	.866**	.436*	.459*	.459*	.456*	.502**	.524**	.485*	.178	.157
130	Zero Complement Presented Loss Lives Signed Confidence	.537**	.893**	.389*	.424*	.424*	.475*	.518**	.534**	.513**	.206	.196
131	Zero Complement Presented Loss Risky Choices	.838**	.973**	.662**	.667**	.667**	.482*	.445*	.489*	.558**	.382	.352
132	Zero Complement Presented Loss Money Risky Choices	.971**	.827**	.743**	.725**	.725**	.376	.252	.310	.488*	.516**	.485*
133	Zero Complement Presented Loss Money Signed Confidence	1	.859**	.695**	.735**	.735**	.387	.222	.281	.480*	.543**	.507**
134	Zero Complement Presented Loss Signed Confidence	.859**	1	.607**	.649**	.649**	.494*	.433*	.474*	.567**	.415*	.389*

		133	134	135	136	137	138	139	140	141	142	143
135	Zero Complement Presented Money Framing Index	.695**	.607**	1	.957**	.957**	.302	.106	.178	.128	.082	.068
136	Zero Complement Presented Money Signed Confidence Framing Index	.735**	.649**	.957**	1	1.000**	.354	.073	.147	.079	.040	.007
137	Zero Complement Presented Signed Confidence Framing Index	.735**	.649**	.957**	1.000**	1	.354	.073	.147	.079	.040	.007
138	Framing Index	.387	.494*	.302	.354	.354	1	-.126	-.085	-.134	-.067	-.064
139	Gain Lives Risky Choices	.222	.433*	.106	.073	.073	-.126	1	.981**	.822**	.104	.112
140	Gain Lives Signed Confidence	.281	.474*	.178	.147	.147	-.085	.981**	1	.810**	.109	.109
141	Gain Risky Choices	.480*	.567**	.128	.079	.079	-.134	.822**	.810**	1	.652**	.653**
142	Gain Money Risky Choices	.543**	.415*	.082	.040	.040	-.067	.104	.109	.652**	1	.992**
143	Gain Money Signed Confidence	.507**	.389*	.068	.007	.007	-.064	.112	.109	.653**	.992**	1
144	Gain Signed Confidence	.511**	.583**	.172	.113	.113	-.101	.791**	.804**	.989**	.674**	.679**
145	Both Complements Presented Framing Index	.228	.253	-.007	.044	.044	.833**	-.184	-.145	-.178	-.066	-.081
146	Both Complements Presented Gain Lives Risky Choices	.184	.369	.096	.033	.033	-.198	.929**	.915**	.828**	.209	.233
147	Both Complements Presented Gain Lives Signed Confidence	.264	.439*	.189	.138	.138	-.116	.923**	.947**	.814**	.194	.209
148	Both Complements Presented Gain Risky Choices	.380	.463*	.207	.120	.120	-.102	.684**	.683**	.877**	.621**	.651**
149	Both Complements Presented Gain Money Risky Choices	.429*	.351	.238	.165	.165	.061	.063	.078	.512**	.811**	.833**
150	Both Complements Presented Gain Money Signed Confidence	.416*	.346	.243	.154	.154	.077	.090	.094	.524**	.797**	.827**
151	Both Complements Presented Gain Signed Confidence	.428*	.500**	.273	.185	.185	-.029	.663**	.682**	.856**	.613**	.641**
152	Both Complements Presented Lives Framing Index	.109	.162	-.045	-.020	-.020	.767**	-.345	-.327	-.258	.008	.024
153	Both Complements Presented Lives Signed Confidence Framing Index	.115	.165	-.051	-.024	-.024	.745**	-.416*	-.431*	-.296	.036	.053
154	Both Complements Presented Loss Lives Risky Choices	.274	.496*	.046	.012	.012	.540**	.537**	.541**	.525**	.202	.239

		133	134	135	136	137	138	139	140	141	142	143
155	Both Complements Presented Loss Lives Signed Confidence	.383	.610**	.145	.119	.119	.604**	.544**	.554**	.549**	.234	.266
156	Both Complements Presented Loss Risky Choices	.514**	.605**	.164	.138	.138	.648**	.403*	.436*	.567**	.454*	.466*
157	Both Complements Presented Loss Money Risky Choices	.591**	.511**	.232	.223	.223	.537**	.121	.174	.415*	.565**	.546**
158	Both Complements Presented Loss Money Signed Confidence	.661**	.589**	.260	.264	.264	.516**	.191	.227	.507**	.632**	.618**
159	Both Complements Presented Loss Signed Confidence	.604**	.688**	.234	.222	.222	.640**	.415*	.442*	.605**	.504**	.513**
160	Both Complements Presented Money Framing Index	.254	.237	.037	.093	.093	.526**	.074	.118	-.011	-.117	-.157
161	Both Complements Presented Money Signed Confidence Framing Index	.323	.313	.049	.141	.141	.496**	.123	.160	.045	-.086	-.131
162	Both Complements Presented Signed Confidence Framing Index	.283	.309	-.002	.076	.076	.806**	-.192	-.178	-.164	-.032	-.050
163	Money Framing Index	.446*	.461*	.447*	.484*	.484*	.780**	.185	.223	.031	-.193	-.205
164	Money Risky Choices	.755**	.640**	.315	.294	.294	.347	.198	.222	.640**	.855**	.841**
165	Money Signed Confidence Framing Index	.493*	.507**	.420*	.522**	.522**	.756**	.179	.216	.016	-.209	-.239
166	Money Signed Confidence	.754**	.645**	.282	.275	.275	.324	.202	.219	.655**	.875**	.868**
167	Nonzero Complement Presented Framing Index	.033	.139	-.149	-.082	-.082	.783**	-.016	-.026	-.114	-.178	-.141
168	Nonzero Complement Presented Gain Lives Risky Choices	.255	.488*	.301	.269	.269	-.040	.870**	.862**	.676**	.023	.007
169	Nonzero Complement Presented Gain Lives Signed Confidence	.307	.516**	.338	.314	.314	-.074	.867**	.888**	.678**	.030	.007
170	Nonzero Complement Presented Gain Risky Choices	.504**	.567**	.365	.313	.313	-.189	.606**	.608**	.812**	.612**	.587**
171	Nonzero Complement Presented Gain Money Risky Choices	.479*	.342	.234	.190	.190	-.235	.025	.037	.512**	.862**	.840**
172	Nonzero Complement Presented Gain Money Signed Confidence	.488*	.352	.215	.179	.179	-.201	.026	.036	.520**	.874**	.864**
173	Nonzero Complement Presented Gain Signed Confidence	.552**	.588**	.374	.332	.332	-.194	.578**	.599**	.814**	.652**	.630**

		133	134	135	136	137	138	139	140	141	142	143
174	Nonzero Complement Presented Lives Framing Index	.007	.087	-.246	-.183	-.183	.645**	-.206	-.198	-.161	-.008	.035
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.029	.125	-.210	-.146	-.146	.669**	-.203	-.221	-.153	.003	.044
176	Nonzero Complement Presented Loss Lives Risky Choices	.211	.481*	-.018	.022	.022	.646**	.479*	.480*	.371	.010	.042
177	Nonzero Complement Presented Loss Lives Signed Confidence	.291	.570**	.062	.110	.110	.653**	.517**	.515**	.411*	.029	.054
178	Nonzero Complement Presented Loss Risky Choices	.399*	.560**	.101	.136	.136	.718**	.419*	.411*	.461*	.247	.269
179	Nonzero Complement Presented Loss Money Risky Choices	.491*	.486*	.203	.223	.223	.590**	.231	.214	.427*	.439*	.444*
180	Nonzero Complement Presented Loss Money Signed Confidence	.531**	.514**	.162	.215	.215	.589**	.215	.200	.426*	.459*	.457*
181	Nonzero Complement Presented Loss Signed Confidence	.470*	.622**	.128	.185	.185	.712**	.421*	.412*	.480*	.277	.291
182	Nonzero Complement Presented Money Framing Index	.052	.161	-.009	.047	.047	.739**	.191	.166	-.036	-.317	-.295
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.055	.161	-.043	.039	.039	.733**	.177	.155	-.072	-.362	-.354
184	Nonzero Complement Presented Signed Confidence Framing Index	.047	.160	-.143	-.061	-.061	.787**	-.017	-.039	-.127	-.199	-.172

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		144	145	146	147	148	149	150	151	152	153	154
1	Criterion	.192	-.482*	.220	.130	.294	.240	.237	.230	-.390*	-.241	-.165
2	Criterion Calm Distractor	.009	-.355	.191	.130	.055	-.135	-.149	-.004	-.429*	-.359	-.193
3	Criterion CalmFear	.213	-.480*	.255	.161	.166	-.023	-.009	.100	-.583**	-.479*	-.176
4	Criterion CalmHappy	.143	-.374	-.009	-.015	.232	.423*	.405*	.224	-.190	-.179	-.174
5	Criterion Calm Target	.235	-.409*	.178	.099	.243	.215	.235	.199	-.429*	-.324	-.205
6	Criterion Emotional Distractor	.210	-.560**	.224	.154	.273	.211	.220	.225	-.555**	-.478*	-.271
7	Criterion Emotional Target	.063	-.566**	.210	.151	.137	-.012	-.031	.079	-.602**	-.551**	-.326
8	Criterion FearCalm	.078	.026	.106	.019	.021	-.090	-.089	-.043	-.207	-.040	-.070
9	Criterion FearDistractor	.293	-.576**	.329	.268	.369	.267	.283	.330	-.597**	-.545**	-.179
10	Criterion FearHappy	.028	-.337	.068	.007	-.035	-.145	-.157	-.088	-.545**	-.457*	-.327
11	Criterion Fear Target	.002	-.294	.105	.023	-.040	-.198	-.222	-.113	-.513**	-.398*	-.348
12	Criterion HappyCalm	-.002	-.436*	.146	.126	.092	-.013	-.027	.064	-.325	-.314	-.145
13	Criterion Happy Distractor	.066	-.422*	-.015	-.055	.135	.258	.228	.096	-.377	-.306	-.343
14	Criterion HappyFear	.093	-.546**	.161	.144	.251	.249	.237	.229	-.387	-.409*	-.184
15	Criterion Happy Target	.012	-.464*	.145	.128	.193	.167	.155	.171	-.237	-.250	-.068
16	Criterion NonEmotional Distractor	.009	-.355	.191	.130	.055	-.135	-.149	-.004	-.429*	-.359	-.193
17	Criterion NonEmotional Target	.235	-.409*	.178	.099	.243	.215	.235	.199	-.429*	-.324	-.205
18	DPrime	.044	-.064	.053	-.011	-.070	-.182	-.194	-.125	-.178	-.144	-.119
19	DPrime Calm Distractor	.319	.211	.236	.264	.267	.187	.179	.272	.150	.085	.355
20	DPrime CalmFear	-.217	-.093	-.322	-.331	-.238	-.021	-.114	-.283	-.044	.019	-.339
21	DPrime CalmHappy	.021	-.014	.182	.122	-.083	-.370	-.332	-.114	-.157	-.162	.036
22	DPrime Calm Target	-.052	-.137	.019	-.039	-.170	-.324	-.324	-.212	-.300	-.277	-.243
23	DPrime Emotional Distractor	-.012	-.247	.066	-.002	-.095	-.250	-.255	-.148	-.359	-.340	-.249
24	DPrime Emotional Target	.340	-.271	.307	.271	.373	.288	.263	.325	-.204	-.249	.113
25	DPrime FearCalm	.256	.257	.072	.052	.144	.153	.135	.119	.098	.091	.147
26	DPrime Fear Distractor	-.148	-.282	-.131	-.146	-.086	.013	-.067	-.133	-.141	-.146	-.249
27	DPrime FearHappy	.033	-.436*	.064	-.015	-.016	-.108	-.123	-.082	-.466*	-.384	-.274
28	DPrime Fear Target	.276	-.238	.174	.096	.192	.130	.098	.118	-.301	-.255	-.097

		144	145	146	147	148	149	150	151	152	153	154
29	DPrime HappyCalm	.086	.355	.154	.208	.163	.102	.104	.193	.418*	.351	.510**
30	DPrime Happy Distractor	.061	-.265	.209	.103	-.017	-.286	-.259	-.084	-.382	-.346	-.134
31	DPrime HappyFear	-.022	-.058	.116	.099	.050	-.052	-.049	.035	-.015	-.072	.097
32	DPrime Happy Target	.164	.098	.221	.280	.325	.309	.283	.342	.262	.163	.438*
33	DPrime NonEmotional Distractor	.319	.211	.236	.264	.267	.187	.179	.272	.150	.085	.355
34	DPrime NonEmotional Target	-.052	-.137	.019	-.039	-.170	-.324	-.324	-.212	-.300	-.277	-.243
35	zCorrectRejectionRate Calm Distractor	.180	-.155	.273	.243	.187	-.001	-.016	.146	-.245	-.226	.046
36	zCorrectRejectionRate CalmFear	.000	-.418*	-.045	-.119	-.050	-.032	-.088	-.129	-.457*	-.337	-.371
37	zCorrectRejectionRate CalmHappy	.097	-.218	.146	.092	.059	-.073	-.051	.029	-.235	-.233	-.066
38	zCorrectRejectionRate Calm Target	.082	-.327	.109	.020	-.009	-.149	-.139	-.067	-.470*	-.396	-.306
39	zCorrectRejectionRate Emotional Distractor	.105	-.480*	.169	.082	.080	-.065	-.064	.016	-.558**	-.502*	-.325
40	zCorrectRejectionRate Emotional Target	.205	-.574**	.307	.244	.279	.122	.095	.211	-.573**	-.553**	-.208
41	zCorrectRejectionRate FearCalm	.199	.167	.110	.042	.097	.031	.021	.042	-.076	.027	.040
42	zCorrectRejectionRate Fear Distractor	.109	-.585**	.145	.092	.203	.196	.154	.144	-.509*	-.476*	-.286
43	zCorrectRejectionRate FearHappy	.033	-.420*	.071	-.005	-.027	-.135	-.150	-.091	-.542**	-.450*	-.322
44	zCorrectRejectionRate Fear Target	.156	-.339	.170	.070	.080	-.066	-.100	-.013	-.527**	-.421*	-.298
45	zCorrectRejectionRate HappyCalm	.050	-.104	.200	.219	.167	.052	.043	.164	.015	-.017	.203
46	zCorrectRejectionRate Happy Distractor	.079	-.413*	.142	.045	.059	-.069	-.065	-.009	-.473*	-.410*	-.277
47	zCorrectRejectionRate HappyFear	.060	-.441*	.176	.155	.213	.164	.156	.190	-.300	-.344	-.094
48	zCorrectRejectionRate Happy Target	.094	-.278	.218	.236	.306	.278	.256	.299	-.032	-.093	.179
49	zCorrectRejectionRate NonEmotional Distractor	.180	-.155	.273	.243	.187	-.001	-.016	.146	-.245	-.226	.046
50	zCorrectRejectionRate NonEmotional Target	.082	-.327	.109	.020	-.009	-.149	-.139	-.067	-.470*	-.396	-.306
51	zFalseAlarmRate Calm Distractor	-.180	.155	-.273	-.243	-.187	.001	.016	-.146	.245	.226	-.046
52	zFalseAlarmRate CalmFear	.000	.418*	.045	.119	.050	.032	.088	.129	.457*	.337	.371
53	zFalseAlarmRate CalmHappy	-.097	.218	-.146	-.092	-.059	.073	.051	-.029	.235	.233	.066
54	zFalseAlarmRate Calm Target	-.082	.327	-.109	-.020	.009	.149	.139	.067	.470*	.396	.306
55	zFalseAlarmRate Emotional Distractor	-.105	.480*	-.169	-.082	-.080	.065	.064	-.016	.558**	.502*	.325

		144	145	146	147	148	149	150	151	152	153	154
56	zFalseAlarmRate Emotional Target	-.205	.574**	-.307	-.244	-.279	-.122	-.095	-.211	.573**	.553**	.208
57	zFalseAlarmRate FearCalm	-.199	-.167	-.110	-.042	-.097	-.031	-.021	-.042	.076	-.027	-.040
58	zFalseAlarmRate Fear Distractor	-.109	.585**	-.145	-.092	-.203	-.196	-.154	-.144	.509*	.476*	.286
59	zFalseAlarmRate FearHappy	.011	.330	-.035	.036	.065	.157	.163	.120	.492*	.385	.320
60	zFalseAlarmRate Fear Target	-.156	.339	-.170	-.070	-.080	.066	.100	.013	.527**	.421*	.298
61	zFalseAlarmRate HappyCalm	-.050	.104	-.200	-.219	-.167	-.052	-.043	-.164	-.015	.017	-.203
62	zFalseAlarmRate Happy Distractor	-.079	.413*	-.142	-.045	-.059	.069	.065	.009	.473*	.410*	.277
63	zFalseAlarmRate HappyFear	-.060	.441*	-.176	-.155	-.213	-.164	-.156	-.190	.300	.344	.094
64	zFalseAlarmRate Happy Target	-.094	.278	-.218	-.236	-.306	-.278	-.256	-.299	.032	.093	-.179
65	zFalseAlarmRate NonEmotional Distractor	-.180	.155	-.273	-.243	-.187	.001	.016	-.146	.245	.226	-.046
66	zFalseAlarmRate NonEmotional Target	-.082	.327	-.109	-.020	.009	.149	.139	.067	.470*	.396	.306
67	zHitRate Calm Distractor	.193	.445*	-.019	.053	.120	.236	.244	.174	.472*	.369	.393
68	zHitRate CalmFear	-.311	.270	-.400	-.342	-.307	-.027	-.111	-.293	.403	.364	-.137
69	zHitRate CalmHappy	-.062	.197	.157	.110	-.199	-.546**	-.504*	-.221	-.025	-.035	.127
70	zHitRate Calm Target	-.178	.112	-.084	-.090	-.284	-.403*	-.414*	-.297	-.018	-.057	-.096
71	zHitRate Emotional Distractor	-.157	.162	-.095	-.108	-.276	-.375	-.386	-.292	.057	.020	-.041
72	zHitRate Emotional Target	.127	.395	-.033	.004	.074	.171	.175	.104	.467*	.393	.376
73	zHitRate FearCalm	.140	.189	-.036	.026	.100	.209	.193	.138	.269	.112	.185
74	zHitRate Fear Distractor	-.331	.242	-.347	-.311	-.346	-.197	-.266	-.349	.360	.316	-.041
75	zHitRate FearHappy	.013	-.198	.006	-.030	.021	.028	.021	-.007	.018	.026	.019
76	zHitRate Fear Target	.197	.092	.031	.048	.174	.272	.270	.187	.244	.174	.243
77	zHitRate HappyCalm	.073	.598**	-.006	.052	.045	.086	.101	.093	.545**	.490*	.476*
78	zHitRate Happy Distractor	.011	.043	.206	.135	-.109	-.446*	-.400*	-.145	-.097	-.113	.112
79	zHitRate HappyFear	-.108	.501*	-.086	-.082	-.234	-.337	-.312	-.223	.382	.364	.238
80	zHitRate Happy Target	.104	.516**	.016	.074	.043	.057	.050	.076	.412*	.356	.374
81	zHitRate NonEmotional Distractor	.193	.445*	-.019	.053	.120	.236	.244	.174	.472*	.369	.393
82	zHitRate NonEmotional Target	-.178	.112	-.084	-.090	-.284	-.403*	-.414*	-.297	-.018	-.057	-.096
83	zMissRate Calm Distractor	-.193	-.445*	.019	-.053	-.120	-.236	-.244	-.174	-.472*	-.369	-.393
84	zMissRate CalmFear	.311	-.270	.400	.342	.307	.027	.111	.293	-.403	-.364	.137

		144	145	146	147	148	149	150	151	152	153	154
85	zMissRate CalmHappy	.062	-.197	-.157	-.110	.199	.546**	.504*	.221	.025	.035	-.127
86	zMissRate Calm Target	.178	-.112	.084	.090	.284	.403*	.414*	.297	.018	.057	.096
87	zMissRate Emotional Distractor	.157	-.162	.095	.108	.276	.375	.386	.292	-.057	-.020	.041
88	zMissRate Emotional Target	-.127	-.395	.033	-.004	-.074	-.171	-.175	-.104	-.467*	-.393	-.376
89	zMissRate FearCalm	-.140	-.189	.036	-.026	-.100	-.209	-.193	-.138	-.269	-.112	-.185
90	zMissRate Fear Distractor	.331	-.242	.347	.311	.346	.197	.266	.349	-.360	-.316	.041
91	zMissRate FearHappy	-.013	.198	-.006	.030	-.021	-.028	-.021	.007	-.018	-.026	-.019
92	zMissRate Fear Target	-.197	-.092	-.031	-.048	-.174	-.272	-.270	-.187	-.244	-.174	-.243
93	zMissRate HappyCalm	-.073	-.598**	.006	-.052	-.045	-.086	-.101	-.093	-.545**	-.490*	-.476*
94	zMissRate Happy Distractor	-.011	-.043	-.206	-.135	.109	.446*	.400*	.145	.097	.113	-.112
95	zMissRate HappyFear	.108	-.501*	.086	.082	.234	.337	.312	.223	-.382	-.364	-.238
96	zMissRate Happy Target	-.104	-.516**	-.016	-.074	-.043	-.057	-.050	-.076	-.412*	-.356	-.374
97	zMissRate NonEmotional Distractor	-.193	-.445*	.019	-.053	-.120	-.236	-.244	-.174	-.472*	-.369	-.393
98	zMissRate NonEmotional Target	.178	-.112	.084	.090	.284	.403*	.414*	.297	.018	.057	.096
99	zRT AllRuns Hits	.217	.024	.245	.269	.087	-.142	-.132	.097	-.134	-.184	.101
100	zRT Calm Distractor Hits	.190	.060	.228	.264	.073	-.147	-.141	.088	-.096	-.148	.122
101	zRT Calm Target Hits	.235	.117	.199	.186	.121	-.028	.005	.121	.018	.029	.204
102	zRT Emotional Distractor Hits	.221	.122	.204	.197	.122	-.031	-.007	.122	.019	.030	.210
103	zRT Emotional Target Hits	.199	.037	.233	.263	.083	-.136	-.130	.094	-.111	-.162	.112
104	zRT Fear Distractor Hits	.194	.180	.111	.130	.156	.152	.140	.161	.131	.174	.221
105	zRT Fear Target Hits	.319	-.136	.386	.416*	.255	-.033	-.021	.266	-.254	-.319	.153
106	zRT Happy Distractor Hits	.252	.093	.263	.252	.167	-.024	.009	.166	.045	.024	.289
107	zRT Happy Target Hits	.106	.110	.094	.097	-.001	-.117	-.111	-.002	-.042	-.011	.053
108	zRT Hits Calm	.219	.029	.246	.270	.083	-.150	-.138	.094	-.137	-.186	.100
109	ZRT Hits CalmFear	.310	.006	.259	.279	.315	.242	.225	.312	-.139	-.093	.170
110	ZRT Hits CalmHappy	.231	.011	.234	.209	.153	-.013	.023	.146	-.007	-.032	.216
111	zRT Hits Fear	.229	.032	.253	.280	.107	-.117	-.108	.119	-.135	-.180	.107
112	ZRT Hits FearCalm	.307	-.129	.365	.399*	.256	-.006	.004	.270	-.244	-.303	.141
113	ZRT Hits FearHappy	.323	-.019	.366	.369	.286	.049	.073	.283	-.096	-.131	.280

		144	145	146	147	148	149	150	151	152	153	154
114	zRT Hits Happy	.217	.009	.252	.275	.099	-.131	-.120	.108	-.123	-.181	.118
115	ZRT Hits HappyCalm	.154	.135	.158	.189	.033	-.133	-.128	.044	-.029	-.034	.124
116	ZRT Hits HappyFear	.142	.111	.074	.085	.140	.170	.153	.139	.146	.173	.198
117	zRT Hits	.217	.024	.245	.269	.087	-.142	-.132	.097	-.134	-.184	.101
118	zRT Nonemotional Distractor Hits	.190	.060	.228	.264	.073	-.147	-.141	.088	-.096	-.148	.122
119	zRT Nonemotional Target Hits	.235	.117	.199	.186	.121	-.028	.005	.121	.018	.029	.204
120	Zero Complement Presented Framing Index	.172	-.007	.096	.189	.207	.238	.243	.273	-.045	-.051	.046
121	Zero Complement Presented Gain Lives	.660**	-.042	.781**	.769**	.508**	-.060	-.044	.481*	-.232	-.280	.506**
122	Zero Complement Presented Gain Lives Signed Confidence	.727**	-.004	.834**	.854**	.581**	.001	.019	.574**	-.213	-.300	.574**
123	Zero Complement Presented Gain Risky Choices	.681**	.136	.616**	.591**	.468*	.066	.079	.437*	-.072	-.092	.504**
124	Zero Complement Presented Gain Money Risky Choices	.454*	.323	.162	.127	.236	.211	.214	.214	.170	.195	.311
125	Zero Complement Presented Gain Money Signed Confidence	.505**	.235	.193	.147	.324	.324	.324	.295	.170	.184	.339
126	Zero Complement Presented Gain Signed Confidence	.768**	.121	.678**	.668**	.572**	.171	.183	.552**	-.058	-.110	.575**
127	Zero Complement Presented Lives Framing Index	.172	-.007	.096	.189	.207	.238	.243	.273	-.045	-.051	.046
128	Zero Complement Presented Lives Signed Confidence Framing Index	.113	.044	.033	.138	.120	.165	.154	.185	-.020	-.024	.012
129	Zero Complement Presented Loss Lives Risky Choices	.481*	.198	.413*	.469*	.387	.169	.158	.406*	.147	.133	.522**
130	Zero Complement Presented Loss Lives Signed Confidence	.512**	.217	.447*	.491*	.429*	.201	.204	.448*	.172	.170	.577**
131	Zero Complement Presented Loss Risky Choices	.572**	.245	.374	.447*	.448*	.320	.318	.488*	.132	.130	.472*
132	Zero Complement Presented Loss Money Risky Choices	.519**	.232	.223	.296	.395*	.409*	.417*	.449*	.078	.091	.281
133	Zero Complement Presented Loss Money Signed Confidence	.511**	.228	.184	.264	.380	.429*	.416*	.428*	.109	.115	.274
134	Zero Complement Presented Loss Signed Confidence	.583**	.253	.369	.439*	.463*	.351	.346	.500**	.162	.165	.496*

		144	145	146	147	148	149	150	151	152	153	154
135	Zero Complement Presented Money Framing Index	.172	-.007	.096	.189	.207	.238	.243	.273	-.045	-.051	.046
136	Zero Complement Presented Money Signed Confidence Framing Index	.113	.044	.033	.138	.120	.165	.154	.185	-.020	-.024	.012
137	Zero Complement Presented Signed Confidence Framing Index	.113	.044	.033	.138	.120	.165	.154	.185	-.020	-.024	.012
138	Framing Index	-.101	.833**	-.198	-.116	-.102	.061	.077	-.029	.767**	.745**	.540**
139	Gain Lives Risky Choices	.791**	-.184	.929**	.923**	.684**	.063	.090	.663**	-.345	-.416*	.537**
140	Gain Lives Signed Confidence	.804**	-.145	.915**	.947**	.683**	.078	.094	.682**	-.327	-.431*	.541**
141	Gain Risky Choices	.989**	-.178	.828**	.814**	.877**	.512**	.524**	.856**	-.258	-.296	.525**
142	Gain Money Risky Choices	.674**	-.066	.209	.194	.621**	.811**	.797**	.613**	.008	.036	.202
143	Gain Money Signed Confidence	.679**	-.081	.233	.209	.651**	.833**	.827**	.641**	.024	.053	.239
144	Gain Signed Confidence	1	-.155	.815**	.824**	.894**	.556**	.564**	.887**	-.227	-.287	.542**
145	Both Complements Presented Framing Index	-.155	1	-.351	-.275	-.313	-.117	-.101	-.243	.801**	.778**	.430*
146	Both Complements Presented Gain Lives Risky Choices	.815**	-.351	1	.972**	.819**	.209	.247	.791**	-.429*	-.494*	.523**
147	Both Complements Presented Gain Lives Signed Confidence	.824**	-.275	.972**	1	.805**	.218	.242	.807**	-.385	-.500**	.539**
148	Both Complements Presented Gain Risky Choices	.894**	-.313	.819**	.805**	1	.733**	.751**	.988**	-.210	-.267	.562**
149	Both Complements Presented Gain Money Risky Choices	.556**	-.117	.209	.218	.733**	1	.987**	.745**	.152	.132	.338
150	Both Complements Presented Gain Money Signed Confidence	.564**	-.101	.247	.242	.751**	.987**	1	.769**	.160	.152	.380
151	Both Complements Presented Gain Signed Confidence	.887**	-.243	.791**	.807**	.988**	.745**	.769**	1	-.156	-.237	.587**
152	Both Complements Presented Lives Framing Index	-.227	.801**	-.429*	-.385	-.210	.152	.160	-.156	1	.945**	.545**
153	Both Complements Presented Lives Signed Confidence Framing Index	-.287	.778**	-.494*	-.500**	-.267	.132	.152	-.237	.945**	1	.433*
154	Both Complements Presented Loss Lives Risky Choices	.542**	.430*	.523**	.539**	.562**	.338	.380	.587**	.545**	.433*	1

		144	145	146	147	148	149	150	151	152	153	154
155	Both Complements Presented Loss Lives Signed Confidence	.569**	.473*	.518**	.542**	.567**	.352	.396*	.598**	.522**	.457*	.974**
156	Both Complements Presented Loss Risky Choices	.601**	.621**	.367	.422*	.550**	.502**	.531**	.602**	.531**	.464*	.843**
157	Both Complements Presented Loss Money Risky Choices	.455*	.608**	.075	.152	.347	.502**	.508**	.409*	.332	.335	.383
158	Both Complements Presented Loss Money Signed Confidence	.538**	.546**	.156	.219	.427*	.542**	.552**	.480*	.292	.305	.421*
159	Both Complements Presented Loss Signed Confidence	.634**	.585**	.380	.430*	.568**	.516**	.546**	.616**	.463*	.434*	.790**
160	Both Complements Presented Money Framing Index	-.007	.762**	-.107	-.032	-.283	-.355	-.338	-.226	.222	.244	.111
161	Both Complements Presented Money Signed Confidence Framing Index	.039	.706**	-.070	.004	-.269	-.374	-.376	-.227	.166	.188	.091
162	Both Complements Presented Signed Confidence Framing Index	-.162	.963**	-.368	-.324	-.347	-.155	-.144	-.301	.724**	.774**	.341
163	Money Framing Index	.042	.707**	.040	.125	-.069	-.165	-.134	.000	.337	.336	.355
164	Money Risky Choices	.667**	.310	.221	.251	.558**	.690**	.692**	.587**	.186	.212	.380
165	Money Signed Confidence Framing Index	.016	.689**	.004	.095	-.132	-.229	-.218	-.070	.313	.313	.299
166	Money Signed Confidence	.681**	.273	.233	.255	.577**	.707**	.707**	.599**	.184	.213	.390*
167	Nonzero Complement Presented Framing Index	-.103	.638**	-.018	.000	-.020	-.013	.015	.009	.632**	.601**	.580**
168	Nonzero Complement Presented Gain Lives Risky Choices	.641**	-.076	.701**	.725**	.486*	-.003	.013	.485*	-.250	-.326	.415*
169	Nonzero Complement Presented Gain Lives Signed Confidence	.660**	-.100	.707**	.749**	.479*	-.022	-.020	.481*	-.293	-.377	.380
170	Nonzero Complement Presented Gain Risky Choices	.800**	-.217	.555**	.561**	.614**	.388	.385	.604**	-.329	-.341	.204
171	Nonzero Complement Presented Gain Money Risky Choices	.530**	-.239	.117	.102	.412*	.564**	.544**	.399*	-.231	-.174	-.110
172	Nonzero Complement Presented Gain Money Signed Confidence	.543**	-.226	.126	.109	.434*	.590**	.565**	.416*	-.208	-.149	-.079
173	Nonzero Complement Presented Gain Signed Confidence	.819**	-.228	.547**	.562**	.623**	.413*	.396*	.612**	-.339	-.351	.188

		144	145	146	147	148	149	150	151	152	153	154
174	Nonzero Complement Presented Lives Framing Index	-.126	.476*	-.110	-.096	.015	.156	.168	.039	.646**	.607**	.508**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	-.136	.489*	-.125	-.128	.019	.180	.205	.041	.651**	.661**	.499**
176	Nonzero Complement Presented Loss Lives Risky Choices	.379	.439*	.444*	.477*	.404*	.161	.187	.428*	.479*	.376	.864**
177	Nonzero Complement Presented Loss Lives Signed Confidence	.413*	.438*	.465*	.497**	.426*	.174	.202	.451*	.449*	.387	.855**
178	Nonzero Complement Presented Loss Risky Choices	.464*	.540**	.380	.404*	.421*	.266	.294	.445*	.452*	.409*	.780**
179	Nonzero Complement Presented Loss Money Risky Choices	.424*	.495*	.199	.205	.318	.306	.327	.335	.292	.327	.460*
180	Nonzero Complement Presented Loss Money Signed Confidence	.422*	.521**	.162	.173	.281	.287	.299	.296	.308	.349	.441*
181	Nonzero Complement Presented Loss Signed Confidence	.478*	.549**	.361	.386	.406*	.264	.287	.429*	.435*	.422*	.745**
182	Nonzero Complement Presented Money Framing Index	-.054	.655**	.085	.104	-.052	-.190	-.154	-.026	.462*	.446*	.515**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	-.097	.691**	.038	.063	-.129	-.265	-.231	-.100	.476*	.461*	.484*
184	Nonzero Complement Presented Signed Confidence Framing Index	-.132	.661**	-.050	-.037	-.061	-.045	-.013	-.032	.634**	.630**	.552**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		155	156	157	158	159	160	161	162	163	164	165
1	Criterion	-.101	-.181	-.136	-.109	-.120	-.363	-.355	-.386	-.322	.011	-.332
2	Criterion Calm Distractor	-.153	-.265	-.243	-.266	-.248	-.139	-.143	-.303	-.049	-.187	-.087
3	Criterion CalmFear	-.137	-.188	-.127	-.099	-.138	-.125	-.105	-.368	-.275	-.086	-.305
4	Criterion CalmHappy	-.161	-.129	-.034	-.050	-.120	-.399*	-.433*	-.407*	-.318	.140	-.338
5	Criterion Calm Target	-.158	-.150	-.036	-.033	-.109	-.223	-.256	-.363	-.275	.051	-.341
6	Criterion Emotional Distractor	-.224	-.257	-.147	-.136	-.208	-.336	-.350	-.517**	-.340	-.025	-.389
7	Criterion Emotional Target	-.286	-.380	-.296	-.294	-.339	-.300	-.283	-.510**	-.254	-.168	-.258
8	Criterion FearCalm	-.015	.035	.132	.113	.059	.244	.232	.144	.098	.101	.046
9	Criterion FearDistractor	-.138	-.202	-.150	-.112	-.144	-.378	-.383	-.544**	-.315	.001	-.382
10	Criterion FearHappy	-.286	-.261	-.092	-.094	-.218	.028	.050	-.223	-.230	-.095	-.194
11	Criterion Fear Target	-.298	-.293	-.127	-.154	-.260	.037	.045	-.192	-.156	-.148	-.155
12	Criterion HappyCalm	-.121	-.303	-.357	-.351	-.281	-.364	-.347	-.422*	-.119	-.214	-.111
13	Criterion Happy Distractor	-.306	-.255	-.068	-.094	-.228	-.293	-.313	-.393	-.333	.044	-.342
14	Criterion HappyFear	-.179	-.264	-.249	-.232	-.241	-.476*	-.469*	-.562**	-.258	-.039	-.301
15	Criterion Happy Target	-.067	-.241	-.333	-.333	-.240	-.493*	-.499*	-.494*	-.187	-.177	-.242
16	Criterion NonEmotional Distractor	-.153	-.265	-.243	-.266	-.248	-.139	-.143	-.303	-.049	-.187	-.087
17	Criterion NonEmotional Target	-.158	-.150	-.036	-.033	-.109	-.223	-.256	-.363	-.275	.051	-.341
18	DPrime	-.151	-.114	-.068	-.038	-.106	.089	.149	.002	-.077	.055	-.019
19	DPrime Calm Distractor	.349	.417*	.328	.316	.387	.184	.167	.166	.195	.321	.137
20	DPrime CalmFear	-.337	-.267	-.089	-.109	-.256	-.083	-.011	.001	-.079	.008	.006
21	DPrime CalmHappy	-.002	-.085	-.180	-.155	-.096	.129	.147	.013	-.004	-.123	-.010
22	DPrime Calm Target	-.265	-.268	-.194	-.164	-.248	.075	.130	-.063	-.052	-.052	.006
23	DPrime Emotional Distractor	-.277	-.300	-.242	-.196	-.274	-.039	.031	-.169	-.158	-.067	-.082
24	DPrime Emotional Target	.085	.084	.022	.057	.082	-.224	-.186	-.272	-.278	.163	-.253
25	DPrime FearCalm	.131	.297	.345	.328	.269	.259	.254	.253	.057	.350	.021
26	DPrime Fear Distractor	-.278	-.329	-.288	-.286	-.328	-.326	-.262	-.252	-.228	-.124	-.150
27	DPrime FearHappy	-.262	-.313	-.231	-.189	-.263	-.167	-.095	-.304	-.337	-.113	-.246
28	DPrime Fear Target	-.106	-.043	.030	.058	-.024	-.080	-.031	-.165	-.319	.181	-.282

		155	156	157	158	159	160	161	162	163	164	165
29	DPrime HappyCalm	.504*	.454*	.227	.171	.386	.151	.083	.257	.347	.044	.261
30	DPrime Happy Distractor	-.171	-.248	-.276	-.226	-.233	-.045	.003	-.192	-.221	-.140	-.180
31	DPrime HappyFear	.046	-.008	-.114	-.082	-.024	-.076	-.041	-.069	-.037	-.135	-.018
32	DPrime Happy Target	.429*	.368	.158	.129	.318	-.099	-.129	.000	.105	.075	.060
33	DPrime NonEmotional Distractor	.349	.417*	.328	.316	.387	.184	.167	.166	.195	.321	.137
34	DPrime NonEmotional Target	-.265	-.268	-.194	-.164	-.248	.075	.130	-.063	-.052	-.052	.006
35	zCorrectRejectionRate Calm Distractor	.073	.026	-.006	-.030	.023	-.005	-.017	-.139	.069	.033	.009
36	zCorrectRejectionRate CalmFear	-.342	-.329	-.156	-.150	-.284	-.151	-.085	-.268	-.258	-.057	-.218
37	zCorrectRejectionRate CalmHappy	-.091	-.141	-.168	-.156	-.145	-.113	-.117	-.214	-.179	-.024	-.195
38	zCorrectRejectionRate Calm Target	-.299	-.296	-.176	-.151	-.259	-.057	-.029	-.243	-.187	-.015	-.176
39	zCorrectRejectionRate Emotional Distractor	-.320	-.354	-.253	-.214	-.309	-.210	-.167	-.401*	-.297	-.061	-.269
40	zCorrectRejectionRate Emotional Target	-.189	-.264	-.225	-.209	-.232	-.341	-.311	-.530**	-.330	-.060	-.321
41	zCorrectRejectionRate FearCalm	.066	.196	.285	.263	.195	.307	.297	.240	.096	.269	.042
42	zCorrectRejectionRate Fear Distractor	-.277	-.355	-.292	-.264	-.314	-.476*	-.438*	-.544**	-.368	-.080	-.365
43	zCorrectRejectionRate FearHappy	-.294	-.311	-.179	-.155	-.260	-.082	-.029	-.286	-.309	-.113	-.239
44	zCorrectRejectionRate Fear Target	-.267	-.229	-.072	-.075	-.195	-.019	.014	-.226	-.288	-.002	-.266
45	zCorrectRejectionRate HappyCalm	.217	.052	-.125	-.154	.028	-.176	-.204	-.155	.123	-.130	.076
46	zCorrectRejectionRate Happy Distractor	-.284	-.312	-.234	-.211	-.288	-.187	-.163	-.346	-.335	-.077	-.310
47	zCorrectRejectionRate HappyFear	-.114	-.203	-.243	-.214	-.194	-.396*	-.374	-.458*	-.213	-.093	-.237
48	zCorrectRejectionRate Happy Target	.174	.020	-.154	-.170	-.005	-.401*	-.421*	-.350	-.079	-.086	-.141
49	zCorrectRejectionRate NonEmotional Distractor	.073	.026	-.006	-.030	.023	-.005	-.017	-.139	.069	.033	.009
50	zCorrectRejectionRate NonEmotional Target	-.299	-.296	-.176	-.151	-.259	-.057	-.029	-.243	-.187	-.015	-.176
51	zFalseAlarmRate Calm Distractor	-.073	-.026	.006	.030	-.023	.005	.017	.139	-.069	-.033	-.009
52	zFalseAlarmRate CalmFear	.342	.329	.156	.150	.284	.151	.085	.268	.258	.057	.218
53	zFalseAlarmRate CalmHappy	.091	.141	.168	.156	.145	.113	.117	.214	.179	.024	.195
54	zFalseAlarmRate Calm Target	.299	.296	.176	.151	.259	.057	.029	.243	.187	.015	.176
55	zFalseAlarmRate Emotional Distractor	.320	.354	.253	.214	.309	.210	.167	.401*	.297	.061	.269

		155	156	157	158	159	160	161	162	163	164	165
56	zFalseAlarmRate Emotional Target	.189	.264	.225	.209	.232	.341	.311	.530**	.330	.060	.321
57	zFalseAlarmRate FearCalm	-.066	-.196	-.285	-.263	-.195	-.307	-.297	-.240	-.096	-.269	-.042
58	zFalseAlarmRate Fear Distractor	.277	.355	.292	.264	.314	.476*	.438*	.544**	.368	.080	.365
59	zFalseAlarmRate FearHappy	.285	.282	.132	.118	.232	.007	-.028	.199	.225	.124	.160
60	zFalseAlarmRate Fear Target	.267	.229	.072	.075	.195	.019	-.014	.226	.288	.002	.266
61	zFalseAlarmRate HappyCalm	-.217	-.052	.125	.154	-.028	.176	.204	.155	-.123	.130	-.076
62	zFalseAlarmRate Happy Distractor	.284	.312	.234	.211	.288	.187	.163	.346	.335	.077	.310
63	zFalseAlarmRate HappyFear	.114	.203	.243	.214	.194	.396*	.374	.458*	.213	.093	.237
64	zFalseAlarmRate Happy Target	-.174	-.020	.154	.170	.005	.401*	.421*	.350	.079	.086	.141
65	zFalseAlarmRate NonEmotional Distractor	-.073	-.026	.006	.030	-.023	.005	.017	.139	-.069	-.033	-.009
66	zFalseAlarmRate NonEmotional Target	.299	.296	.176	.151	.259	.057	.029	.243	.187	.015	.176
67	zHitRate Calm Distractor	.354	.495*	.419*	.433*	.461*	.238	.231	.370	.165	.366	.162
68	zHitRate CalmFear	-.163	-.069	.024	-.007	-.092	.053	.101	.266	.151	.059	.241
69	zHitRate CalmHappy	.088	.001	-.132	-.102	-.013	.331	.365	.238	.174	-.181	.181
70	zHitRate Calm Target	-.141	-.148	-.148	-.124	-.154	.191	.257	.150	.110	-.074	.198
71	zHitRate Emotional Distractor	-.098	-.096	-.119	-.085	-.107	.197	.271	.204	.091	-.044	.194
72	zHitRate Emotional Target	.322	.412*	.297	.315	.372	.165	.170	.341	.091	.252	.109
73	zHitRate FearCalm	.122	.213	.165	.168	.168	-.008	-.002	.078	-.042	.197	-.024
74	zHitRate Fear Distractor	-.092	-.080	-.091	-.119	-.124	.058	.108	.239	.080	-.090	.187
75	zHitRate FearHappy	-.015	-.118	-.213	-.151	-.102	-.272	-.196	-.153	-.191	-.042	-.108
76	zHitRate Fear Target	.192	.232	.135	.180	.217	-.091	-.063	.053	-.089	.264	-.064
77	zHitRate HappyCalm	.456*	.578**	.463*	.424*	.517**	.405*	.346	.517**	.346	.217	.276
78	zHitRate Happy Distractor	.051	-.056	-.212	-.147	-.060	.160	.219	.092	.023	-.161	.068
79	zHitRate HappyFear	.200	.251	.171	.176	.218	.457*	.482*	.514*	.238	-.047	.299
80	zHitRate Happy Target	.366	.491*	.432*	.411*	.455*	.406*	.390	.476*	.254	.223	.275
81	zHitRate NonEmotional Distractor	.354	.495*	.419*	.433*	.461*	.238	.231	.370	.165	.366	.162
82	zHitRate NonEmotional Target	-.141	-.148	-.148	-.124	-.154	.191	.257	.150	.110	-.074	.198
83	zMissRate Calm Distractor	-.354	-.495*	-.419*	-.433*	-.461*	-.238	-.231	-.370	-.165	-.366	-.162
84	zMissRate CalmFear	.163	.069	-.024	.007	.092	-.053	-.101	-.266	-.151	-.059	-.241

		155	156	157	158	159	160	161	162	163	164	165
85	zMissRate CalmHappy	-.088	-.001	.132	.102	.013	-.331	-.365	-.238	-.174	.181	-.181
86	zMissRate Calm Target	.141	.148	.148	.124	.154	-.191	-.257	-.150	-.110	.074	-.198
87	zMissRate Emotional Distractor	.098	.096	.119	.085	.107	-.197	-.271	-.204	-.091	.044	-.194
88	zMissRate Emotional Target	-.322	-.412*	-.297	-.315	-.372	-.165	-.170	-.341	-.091	-.252	-.109
89	zMissRate FearCalm	-.122	-.213	-.165	-.168	-.168	.008	.002	-.078	.042	-.197	.024
90	zMissRate Fear Distractor	.092	.080	.091	.119	.124	-.058	-.108	-.239	-.080	.090	-.187
91	zMissRate FearHappy	.015	.118	.213	.151	.102	.272	.196	.153	.191	.042	.108
92	zMissRate Fear Target	-.192	-.232	-.135	-.180	-.217	.091	.063	-.053	.089	-.264	.064
93	zMissRate HappyCalm	-.456*	-.578**	-.463*	-.424*	-.517**	-.405*	-.346	-.517**	-.346	-.217	-.276
94	zMissRate Happy Distractor	-.051	.056	.212	.147	.060	-.160	-.219	-.092	-.023	.161	-.068
95	zMissRate HappyFear	-.200	-.251	-.171	-.176	-.218	-.457*	-.482*	-.514*	-.238	.047	-.299
96	zMissRate Happy Target	-.366	-.491*	-.432*	-.411*	-.455*	-.406*	-.390	-.476*	-.254	-.223	-.275
97	zMissRate NonEmotional Distractor	-.354	-.495*	-.419*	-.433*	-.461*	-.238	-.231	-.370	-.165	-.366	-.162
98	zMissRate NonEmotional Target	.141	.148	.148	.124	.154	-.191	-.257	-.150	-.110	.074	-.198
99	zRT AllRuns Hits	.097	.093	.053	.062	.090	.184	.199	.008	.112	.076	.055
100	zRT Calm Distractor Hits	.127	.113	.065	.084	.120	.201	.233	.054	.204	.089	.162
101	zRT Calm Target Hits	.221	.207	.134	.156	.218	.164	.161	.130	.077	.188	.023
102	zRT Emotional Distractor Hits	.233	.213	.138	.167	.232	.172	.184	.148	.110	.184	.061
103	zRT Emotional Target Hits	.112	.101	.054	.069	.103	.181	.205	.026	.147	.076	.096
104	zRT Fear Distractor Hits	.282	.299	.267	.251	.309	.171	.157	.197	.104	.226	.031
105	zRT Fear Target Hits	.154	.112	.029	.049	.115	.066	.082	-.166	.094	.101	.023
106	zRT Happy Distractor Hits	.286	.226	.076	.125	.236	.101	.124	.101	.092	.168	.043
107	zRT Happy Target Hits	.094	.096	.105	.146	.141	.211	.260	.178	.151	.141	.143
108	zRT Hits Calm	.097	.095	.056	.066	.092	.196	.210	.014	.124	.081	.069
109	ZRT Hits CalmFear	.255	.271	.265	.244	.292	.120	.094	.025	.028	.239	-.047
110	ZRT Hits CalmHappy	.195	.142	.011	.060	.146	.023	.043	.012	-.015	.141	-.059
111	zRT Hits Fear	.113	.117	.086	.086	.114	.198	.202	.013	.129	.091	.063
112	ZRT Hits FearCalm	.150	.118	.050	.067	.123	.066	.077	-.158	.132	.127	.057
113	ZRT Hits FearHappy	.305	.230	.089	.141	.257	.057	.090	.001	.097	.181	.049

		155	156	157	158	159	160	161	162	163	164	165
114	zRT Hits Happy	.107	.090	.029	.046	.087	.148	.170	-.008	.103	.071	.049
115	ZRT Hits HappyCalm	.168	.151	.120	.183	.207	.239	.310	.199	.240	.160	.247
116	ZRT Hits HappyFear	.231	.222	.164	.167	.229	.043	.049	.124	.024	.179	-.039
117	zRT Hits	.097	.093	.053	.062	.090	.184	.199	.008	.112	.076	.055
118	zRT Nonemotional Distractor Hits	.127	.113	.065	.084	.120	.201	.233	.054	.204	.089	.162
119	zRT Nonemotional Target Hits	.221	.207	.134	.156	.218	.164	.161	.130	.077	.188	.023
120	Zero Complement Presented Framing Index	.145	.164	.232	.260	.234	.037	.049	-.002	.447*	.315	.420*
121	Zero Complement Presented Gain Lives	.519**	.383	.120	.184	.397*	.183	.248	-.023	.197	.137	.223
122	Zero Complement Presented Gain Lives Signed Confidence	.586**	.476*	.207	.252	.475*	.223	.261	-.027	.249	.194	.253
123	Zero Complement Presented Gain Risky Choices	.517**	.505**	.332	.391*	.519**	.299	.357	.170	.143	.379	.180
124	Zero Complement Presented Gain Money Risky Choices	.320	.480*	.492*	.522**	.487*	.342	.369	.365	.017	.562**	.053
125	Zero Complement Presented Gain Money Signed Confidence	.330	.474*	.452*	.486*	.471*	.198	.219	.261	-.107	.567**	-.101
126	Zero Complement Presented Gain Signed Confidence	.579**	.578**	.381	.430*	.576**	.259	.296	.119	.116	.432*	.122
127	Zero Complement Presented Lives Framing Index	.145	.164	.232	.260	.234	.037	.049	-.002	.447*	.315	.420*
128	Zero Complement Presented Lives Signed Confidence Framing Index	.119	.138	.223	.264	.222	.093	.141	.076	.484*	.294	.522**
129	Zero Complement Presented Loss Lives Risky Choices	.611**	.493*	.292	.350	.546**	.164	.232	.237	.370	.366	.399*
130	Zero Complement Presented Loss Lives Signed Confidence	.670**	.545**	.322	.390*	.602**	.167	.232	.260	.367	.391*	.402*
131	Zero Complement Presented Loss Risky Choices	.586**	.586**	.503**	.567**	.661**	.256	.315	.289	.486*	.622**	.503**
132	Zero Complement Presented Loss Money Risky Choices	.392*	.530**	.612**	.664**	.611**	.293	.325	.269	.488*	.752**	.486*
133	Zero Complement Presented Loss Money Signed Confidence	.383	.514**	.591**	.661**	.604**	.254	.323	.283	.446*	.755**	.493*
134	Zero Complement Presented Loss Signed Confidence	.610**	.605**	.511**	.589**	.688**	.237	.313	.309	.461*	.640**	.507**

		155	156	157	158	159	160	161	162	163	164	165
135	Zero Complement Presented Money Framing Index	.145	.164	.232	.260	.234	.037	.049	-.002	.447*	.315	.420*
136	Zero Complement Presented Money Signed Confidence Framing Index	.119	.138	.223	.264	.222	.093	.141	.076	.484*	.294	.522**
137	Zero Complement Presented Signed Confidence Framing Index	.119	.138	.223	.264	.222	.093	.141	.076	.484*	.294	.522**
138	Framing Index	.604**	.648**	.537**	.516**	.640**	.526**	.496**	.806**	.780**	.347	.756**
139	Gain Lives Risky Choices	.544**	.403*	.121	.191	.415*	.074	.123	-.192	.185	.198	.179
140	Gain Lives Signed Confidence	.554**	.436*	.174	.227	.442*	.118	.160	-.178	.223	.222	.216
141	Gain Risky Choices	.549**	.567**	.415*	.507**	.605**	-.011	.045	-.164	.031	.640**	.016
142	Gain Money Risky Choices	.234	.454*	.565**	.632**	.504**	-.117	-.086	-.032	-.193	.855**	-.209
143	Gain Money Signed Confidence	.266	.466*	.546**	.618**	.513**	-.157	-.131	-.050	-.205	.841**	-.239
144	Gain Signed Confidence	.569**	.601**	.455*	.538**	.634**	-.007	.039	-.162	.042	.667**	.016
145	Both Complements Presented Framing Index	.473*	.621**	.608**	.546**	.585**	.762**	.706**	.963**	.707**	.310	.689**
146	Both Complements Presented Gain Lives Risky Choices	.518**	.367	.075	.156	.380	-.107	-.070	-.368	.040	.221	.004
147	Both Complements Presented Gain Lives Signed Confidence	.542**	.422*	.152	.219	.430*	-.032	.004	-.324	.125	.251	.095
148	Both Complements Presented Gain Risky Choices	.567**	.550**	.347	.427*	.568**	-.283	-.269	-.347	-.069	.558**	-.132
149	Both Complements Presented Gain Money Risky Choices	.352	.502**	.502**	.542**	.516**	-.355	-.374	-.155	-.165	.690**	-.229
150	Both Complements Presented Gain Money Signed Confidence	.396*	.531**	.508**	.552**	.546**	-.338	-.376	-.144	-.134	.692**	-.218
151	Both Complements Presented Gain Signed Confidence	.598**	.602**	.409*	.480*	.616**	-.226	-.227	-.301	.000	.587**	-.070
152	Both Complements Presented Lives Framing Index	.522**	.531**	.332	.292	.463*	.222	.166	.724**	.337	.186	.313
153	Both Complements Presented Lives Signed Confidence Framing Index	.457*	.464*	.335	.305	.434*	.244	.188	.774**	.336	.212	.313
154	Both Complements Presented Loss Lives Risky Choices	.974**	.843**	.383	.421*	.790**	.111	.091	.341	.355	.380	.299

		155	156	157	158	159	160	161	162	163	164	165
155	Both Complements Presented Loss Lives Signed Confidence	1	.884**	.482*	.520**	.863**	.204	.186	.418*	.454*	.464*	.401*
156	Both Complements Presented Loss Risky Choices	.884**	1	.821**	.833**	.983**	.436*	.399*	.560**	.565**	.733**	.497**
157	Both Complements Presented Loss Money Risky Choices	.482*	.821**	1	.981**	.848**	.630**	.588**	.598**	.592**	.854**	.535**
158	Both Complements Presented Loss Money Signed Confidence	.520**	.833**	.981**	1	.880**	.573**	.565**	.563**	.572**	.907**	.533**
159	Both Complements Presented Loss Signed Confidence	.863**	.983**	.848**	.880**	1	.453*	.438*	.565**	.590**	.794**	.538**
160	Both Complements Presented Money Framing Index	.204	.436*	.630**	.573**	.453*	1	.971**	.785**	.787**	.303	.784**
161	Both Complements Presented Money Signed Confidence Framing Index	.186	.399*	.588**	.565**	.438*	.971**	1	.768**	.768**	.323	.807**
162	Both Complements Presented Signed Confidence Framing Index	.418*	.560**	.598**	.563**	.565**	.785**	.768**	1	.714**	.347	.725**
163	Money Framing Index	.454*	.565**	.592**	.572**	.590**	.787**	.768**	.714**	1	.343	.967**
164	Money Risky Choices	.464*	.733**	.854**	.907**	.794**	.303	.323	.347	.343	1	.310
165	Money Signed Confidence Framing Index	.401*	.497**	.535**	.533**	.538**	.784**	.807**	.725**	.967**	.310	1
166	Money Signed Confidence	.469*	.716**	.815**	.885**	.784**	.246	.283	.322	.292	.992**	.275
167	Nonzero Complement Presented Framing Index	.583**	.544**	.318	.311	.508**	.354	.331	.605**	.578**	.135	.558**
168	Nonzero Complement Presented Gain Lives Risky Choices	.428*	.335	.134	.175	.341	.147	.182	-.096	.275	.167	.273
169	Nonzero Complement Presented Gain Lives Signed Confidence	.403*	.307	.124	.158	.317	.153	.196	-.120	.252	.162	.260
170	Nonzero Complement Presented Gain Risky Choices	.245	.317	.326	.406*	.376	.004	.070	-.178	.018	.595**	.017
171	Nonzero Complement Presented Gain Money Risky Choices	-.064	.130	.340	.415*	.210	-.139	-.077	-.163	-.244	.696**	-.242
172	Nonzero Complement Presented Gain Money Signed Confidence	-.033	.159	.357	.442*	.243	-.143	-.068	-.141	-.227	.717**	-.224
173	Nonzero Complement Presented Gain Signed Confidence	.236	.314	.339	.422*	.381	-.005	.077	-.180	-.002	.623**	.006

		155	156	157	158	159	160	161	162	163	164	165
174	Nonzero Complement Presented Lives Framing Index	.490*	.431*	.199	.199	.390*	.075	.054	.431*	.233	.116	.231
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.510**	.446*	.235	.244	.427*	.092	.068	.475*	.274	.148	.273
176	Nonzero Complement Presented Loss Lives Risky Choices	.855**	.719**	.316	.348	.681**	.197	.202	.376	.464*	.255	.459*
177	Nonzero Complement Presented Loss Lives Signed Confidence	.887**	.737**	.356	.395*	.726**	.228	.239	.407*	.506**	.295	.512**
178	Nonzero Complement Presented Loss Risky Choices	.813**	.822**	.581**	.632**	.825**	.389*	.411*	.532**	.644**	.576**	.621**
179	Nonzero Complement Presented Loss Money Risky Choices	.529**	.698**	.708**	.764**	.746**	.491*	.525**	.552**	.657**	.767**	.620**
180	Nonzero Complement Presented Loss Money Signed Confidence	.516**	.690**	.715**	.776**	.745**	.515**	.565**	.592**	.638**	.776**	.637**
181	Nonzero Complement Presented Loss Signed Confidence	.806**	.818**	.612**	.669**	.843**	.424*	.459*	.571**	.655**	.611**	.658**
182	Nonzero Complement Presented Money Framing Index	.540**	.532**	.367	.355	.510**	.567**	.547**	.644**	.808**	.123	.772**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.512**	.501**	.345	.325	.476*	.611**	.590**	.681**	.801**	.077	.798**
184	Nonzero Complement Presented Signed Confidence Framing Index	.573**	.531**	.325	.319	.507**	.392*	.367	.648**	.600**	.126	.598**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		166	167	168	169	170	171	172	173	174	175	176
1	Criterion	.017	-.437*	.162	.161	.324	.310	.290	.314	-.406*	-.302	-.296
2	Criterion Calm Distractor	-.215	-.287	.291	.296	.249	.081	.061	.228	-.424*	-.418*	-.181
3	Criterion CalmFear	-.075	-.515*	.234	.239	.274	.162	.170	.278	-.562**	-.525**	-.337
4	Criterion CalmHappy	.123	-.528**	.083	.103	.358	.436*	.394	.351	-.441*	-.433*	-.365
5	Criterion Calm Target	.044	-.540**	.236	.228	.385	.329	.315	.370	-.586**	-.545**	-.384
6	Criterion Emotional Distractor	-.035	-.608**	.214	.225	.358	.311	.283	.345	-.637**	-.613**	-.451*
7	Criterion Emotional Target	-.188	-.508**	.218	.243	.278	.192	.149	.259	-.561**	-.565**	-.374
8	Criterion FearCalm	.074	-.162	.133	.120	.243	.216	.194	.222	-.278	-.197	-.175
9	Criterion FearDistractor	.012	-.580**	.312	.305	.456*	.346	.341	.441*	-.666**	-.644**	-.333
10	Criterion FearHappy	-.123	-.493*	.000	.040	.070	.101	.041	.056	-.521**	-.501*	-.490*
11	Criterion Fear Target	-.183	-.424*	.089	.130	.122	.091	.045	.113	-.531**	-.530**	-.448*
12	Criterion HappyCalm	-.221	-.278	.292	.303	.248	.079	.064	.234	-.347	-.358	-.105
13	Criterion Happy Distractor	.014	-.545**	-.035	.011	.213	.339	.285	.214	-.500*	-.499*	-.517**
14	Criterion HappyFear	-.051	-.445*	.178	.174	.336	.315	.279	.311	-.423*	-.433*	-.271
15	Criterion Happy Target	-.183	-.231	.182	.176	.182	.089	.084	.169	-.247	-.253	-.096
16	Criterion NonEmotional Distractor	-.215	-.287	.291	.296	.249	.081	.061	.228	-.424*	-.418*	-.181
17	Criterion NonEmotional Target	.044	-.540**	.236	.228	.385	.329	.315	.370	-.586**	-.545**	-.384
18	DPrime	.024	-.284	.121	.109	.249	.241	.171	.194	-.344	-.306	-.264
19	DPrime Calm Distractor	.304	.119	.259	.259	.291	.172	.195	.302	.094	.067	.300
20	DPrime CalmFear	-.019	-.235	-.173	-.129	.016	.197	.158	.033	-.272	-.297	-.398
21	DPrime CalmHappy	-.151	-.134	.219	.159	.160	.021	-.040	.069	-.225	-.168	-.044
22	DPrime Calm Target	-.085	-.365	.155	.129	.259	.225	.141	.182	-.458*	-.433*	-.323
23	DPrime Emotional Distractor	-.091	-.414*	.128	.121	.239	.221	.140	.177	-.475*	-.467*	-.361
24	DPrime Emotional Target	.164	-.243	.155	.186	.257	.222	.216	.273	-.160	-.195	-.032
25	DPrime FearCalm	.345	.009	.085	.088	.303	.352	.372	.331	.034	-.012	.103
26	DPrime Fear Distractor	-.141	-.243	-.096	-.062	.017	.114	.068	.012	-.265	-.282	-.311
27	DPrime FearHappy	-.112	-.472*	-.027	.021	.031	.072	.038	.041	-.417*	-.415*	-.414*
28	DPrime Fear Target	.184	-.378	.082	.123	.296	.349	.340	.324	-.301	-.346	-.229

		166	167	168	169	170	171	172	173	174	175	176
29	DPrime HappyCalm	-.007	.384	.216	.197	-.081	-.323	-.315	-.108	.263	.309	.432*
30	DPrime Happy Distractor	-.154	-.356	.172	.143	.182	.097	.034	.113	-.400*	-.368	-.253
31	DPrime HappyFear	-.133	.124	-.035	-.051	-.146	-.178	-.174	-.159	.045	.052	.016
32	DPrime Happy Target	.049	.319	.044	.074	-.122	-.217	-.197	-.097	.320	.318	.348
33	DPrime NonEmotional Distractor	.304	.119	.259	.259	.291	.172	.195	.302	.094	.067	.300
34	DPrime NonEmotional Target	-.085	-.365	.155	.129	.259	.225	.141	.182	-.458*	-.433*	-.323
35	zCorrectRejectionRate Calm Distractor	.002	-.153	.362	.366	.347	.155	.153	.338	-.271	-.281	.026
36	zCorrectRejectionRate CalmFear	-.069	-.544**	.047	.082	.212	.259	.237	.227	-.605**	-.597**	-.531**
37	zCorrectRejectionRate CalmHappy	-.057	-.403*	.227	.189	.329	.258	.184	.251	-.429*	-.378	-.238
38	zCorrectRejectionRate Calm Target	-.046	-.581**	.251	.225	.414*	.357	.280	.343	-.680**	-.639**	-.464*
39	zCorrectRejectionRate Emotional Distractor	-.084	-.625**	.208	.209	.365	.327	.254	.314	-.685**	-.666**	-.503*
40	zCorrectRejectionRate Emotional Target	-.075	-.516**	.244	.279	.338	.254	.217	.330	-.520**	-.539**	-.312
41	zCorrectRejectionRate FearCalm	.248	-.098	.135	.128	.332	.343	.341	.335	-.159	-.133	-.052
42	zCorrectRejectionRate Fear Distractor	-.083	-.563**	.156	.173	.330	.316	.283	.316	-.637**	-.633**	-.435*
43	zCorrectRejectionRate FearHappy	-.126	-.519**	-.015	.032	.053	.092	.042	.052	-.501*	-.490*	-.484*
44	zCorrectRejectionRate Fear Target	-.025	-.508**	.108	.160	.251	.259	.222	.260	-.540**	-.564**	-.442*
45	zCorrectRejectionRate HappyCalm	-.167	.029	.346	.342	.133	-.138	-.144	.106	-.095	-.076	.185
46	zCorrectRejectionRate Happy Distractor	-.103	-.543**	.105	.108	.243	.249	.175	.194	-.551**	-.528**	-.455*
47	zCorrectRejectionRate HappyFear	-.101	-.279	.118	.108	.186	.155	.129	.160	-.299	-.304	-.197
48	zCorrectRejectionRate Happy Target	-.104	.001	.151	.163	.066	-.049	-.042	.070	-.010	-.015	.112
49	zCorrectRejectionRate NonEmotional Distractor	.002	-.153	.362	.366	.347	.155	.153	.338	-.271	-.281	.026
50	zCorrectRejectionRate NonEmotional Target	-.046	-.581**	.251	.225	.414*	.357	.280	.343	-.680**	-.639**	-.464*
51	zFalseAlarmRate Calm Distractor	-.002	.153	-.362	-.366	-.347	-.155	-.153	-.338	.271	.281	-.026
52	zFalseAlarmRate CalmFear	.069	.544**	-.047	-.082	-.212	-.259	-.237	-.227	.605**	.597**	.531**
53	zFalseAlarmRate CalmHappy	.057	.403*	-.227	-.189	-.329	-.258	-.184	-.251	.429*	.378	.238
54	zFalseAlarmRate Calm Target	.046	.581**	-.251	-.225	-.414*	-.357	-.280	-.343	.680**	.639**	.464*
55	zFalseAlarmRate Emotional Distractor	.084	.625**	-.208	-.209	-.365	-.327	-.254	-.314	.685**	.666**	.503*

		166	167	168	169	170	171	172	173	174	175	176
56	zFalseAlarmRate Emotional Target	.075	.516**	-.244	-.279	-.338	-.254	-.217	-.330	.520**	.539**	.312
57	zFalseAlarmRate FearCalm	-.248	.098	-.135	-.128	-.332	-.343	-.341	-.335	.159	.133	.052
58	zFalseAlarmRate Fear Distractor	.083	.563**	-.156	-.173	-.330	-.316	-.283	-.316	.637**	.633**	.435*
59	zFalseAlarmRate FearHappy	.143	.472*	-.016	-.048	-.031	-.030	.020	-.016	.511*	.485*	.468*
60	zFalseAlarmRate Fear Target	.025	.508**	-.108	-.160	-.251	-.259	-.222	-.260	.540**	.564**	.442*
61	zFalseAlarmRate HappyCalm	.167	-.029	-.346	-.342	-.133	.138	.144	-.106	.095	.076	-.185
62	zFalseAlarmRate Happy Distractor	.103	.543**	-.105	-.108	-.243	-.249	-.175	-.194	.551**	.528**	.455*
63	zFalseAlarmRate HappyFear	.101	.279	-.118	-.108	-.186	-.155	-.129	-.160	.299	.304	.197
64	zFalseAlarmRate Happy Target	.104	-.001	-.151	-.163	-.066	.049	.042	-.070	.010	.015	-.112
65	zFalseAlarmRate NonEmotional Distractor	-.002	.153	-.362	-.366	-.347	-.155	-.153	-.338	.271	.281	-.026
66	zFalseAlarmRate NonEmotional Target	.046	.581**	-.251	-.225	-.414*	-.357	-.280	-.343	.680**	.639**	.464*
67	zHitRate Calm Distractor	.380	.327	-.093	-.097	-.036	.037	.069	-.010	.431*	.409*	.348
68	zHitRate CalmFear	.034	.214	-.305	-.271	-.205	.020	-.013	-.185	.236	.183	-.053
69	zHitRate CalmHappy	-.195	.182	.137	.075	-.066	-.225	-.253	-.138	.057	.102	.166
70	zHitRate Calm Target	-.098	-.012	.001	-.017	.008	.009	-.056	-.051	-.066	-.067	-.063
71	zHitRate Emotional Distractor	-.059	.042	-.031	-.045	-.029	-.013	-.068	-.077	.007	-.003	-.018
72	zHitRate Emotional Target	.271	.354	-.124	-.131	-.126	-.062	-.024	-.099	.452*	.437*	.342
73	zHitRate FearCalm	.218	.154	-.051	-.036	.029	.094	.130	.071	.280	.169	.244
74	zHitRate Fear Distractor	-.110	.273	-.310	-.280	-.340	-.186	-.215	-.332	.324	.294	.034
75	zHitRate FearHappy	-.005	-.055	-.039	-.020	-.043	-.023	.003	-.011	.059	.035	.023
76	zHitRate Fear Target	.298	.108	-.021	-.028	.104	.170	.205	.132	.261	.226	.238
77	zHitRate HappyCalm	.189	.483*	-.087	-.108	-.252	-.277	-.260	-.259	.457*	.497*	.377
78	zHitRate Happy Distractor	-.154	.043	.185	.126	.023	-.143	-.165	-.042	-.029	.000	.121
79	zHitRate HappyFear	-.034	.532**	-.191	-.197	-.426*	-.417*	-.379	-.402	.488*	.498*	.275
80	zHitRate Happy Target	.211	.447*	-.144	-.117	-.260	-.238	-.219	-.232	.463*	.467*	.338
81	zHitRate NonEmotional Distractor	.380	.327	-.093	-.097	-.036	.037	.069	-.010	.431*	.409*	.348
82	zHitRate NonEmotional Target	-.098	-.012	.001	-.017	.008	.009	-.056	-.051	-.066	-.067	-.063
83	zMissRate Calm Distractor	-.380	-.327	.093	.097	.036	-.037	-.069	.010	-.431*	-.409*	-.348
84	zMissRate CalmFear	-.034	-.214	.305	.271	.205	-.020	.013	.185	-.236	-.183	.053

		166	167	168	169	170	171	172	173	174	175	176
85	zMissRate CalmHappy	.195	-.182	-.137	-.075	.066	.225	.253	.138	-.057	-.102	-.166
86	zMissRate Calm Target	.098	.012	-.001	.017	-.008	-.009	.056	.051	.066	.067	.063
87	zMissRate Emotional Distractor	.059	-.042	.031	.045	.029	.013	.068	.077	-.007	.003	.018
88	zMissRate Emotional Target	-.271	-.354	.124	.131	.126	.062	.024	.099	-.452*	-.437*	-.342
89	zMissRate FearCalm	-.218	-.154	.051	.036	-.029	-.094	-.130	-.071	-.280	-.169	-.244
90	zMissRate Fear Distractor	.110	-.273	.310	.280	.340	.186	.215	.332	-.324	-.294	-.034
91	zMissRate FearHappy	.005	.055	.039	.020	.043	.023	-.003	.011	-.059	-.035	-.023
92	zMissRate Fear Target	-.298	-.108	.021	.028	-.104	-.170	-.205	-.132	-.261	-.226	-.238
93	zMissRate HappyCalm	-.189	-.483*	.087	.108	.252	.277	.260	.259	-.457*	-.497*	-.377
94	zMissRate Happy Distractor	.154	-.043	-.185	-.126	-.023	.143	.165	.042	.029	.000	-.121
95	zMissRate HappyFear	.034	-.532**	.191	.197	.426*	.417*	.379	.402	-.488*	-.498*	-.275
96	zMissRate Happy Target	-.211	-.447*	.144	.117	.260	.238	.219	.232	-.463*	-.467*	-.338
97	zMissRate NonEmotional Distractor	-.380	-.327	.093	.097	.036	-.037	-.069	.010	-.431*	-.409*	-.348
98	zMissRate NonEmotional Target	.098	.012	-.001	.017	-.008	-.009	.056	.051	.066	.067	.063
99	zRT AllRuns Hits	.032	-.205	.290	.306	.287	.131	.090	.263	-.310	-.308	-.095
100	zRT Calm Distractor Hits	.051	-.134	.305	.319	.277	.102	.072	.258	-.264	-.254	-.033
101	zRT Calm Target Hits	.152	-.141	.207	.197	.279	.205	.156	.235	-.223	-.178	-.051
102	zRT Emotional Distractor Hits	.153	-.122	.211	.206	.264	.179	.138	.228	-.203	-.159	-.029
103	zRT Emotional Target Hits	.037	-.176	.298	.313	.279	.113	.077	.258	-.285	-.283	-.061
104	zRT Fear Distractor Hits	.188	-.026	.048	.078	.111	.110	.091	.115	-.056	.001	-.010
105	zRT Fear Target Hits	.058	-.312	.422*	.438*	.431*	.191	.140	.396*	-.403*	-.390	-.066
106	zRT Happy Distractor Hits	.147	-.087	.255	.235	.292	.178	.143	.250	-.170	-.132	.039
107	zRT Happy Target Hits	.121	-.127	.150	.150	.217	.169	.141	.195	-.197	-.152	-.072
108	zRT Hits Calm	.037	-.198	.289	.304	.290	.135	.094	.264	-.311	-.305	-.096
109	ZRT Hits CalmFear	.197	-.189	.123	.168	.212	.167	.133	.210	-.213	-.138	-.075
110	ZRT Hits CalmHappy	.125	-.133	.174	.152	.283	.241	.206	.245	-.169	-.141	-.026
111	zRT Hits Fear	.041	-.217	.310	.330	.296	.124	.078	.270	-.331	-.325	-.100
112	ZRT Hits FearCalm	.080	-.303	.410*	.427*	.443*	.221	.167	.409*	-.403*	-.383	-.077
113	ZRT Hits FearHappy	.160	-.203	.374	.367	.392	.194	.150	.346	-.280	-.238	.043

		166	167	168	169	170	171	172	173	174	175	176
114	zRT Hits Happy	.033	-.194	.293	.305	.294	.138	.101	.270	-.292	-.294	-.073
115	ZRT Hits HappyCalm	.153	-.046	.193	.199	.226	.139	.130	.220	-.138	-.095	.019
116	ZRT Hits HappyFear	.157	-.038	.000	.027	.104	.146	.132	.115	.001	.023	.001
117	zRT Hits	.032	-.205	.290	.306	.287	.131	.090	.263	-.310	-.308	-.095
118	zRT Nonemotional Distractor Hits	.051	-.134	.305	.319	.277	.102	.072	.258	-.264	-.254	-.033
119	zRT Nonemotional Target Hits	.152	-.141	.207	.197	.279	.205	.156	.235	-.223	-.178	-.051
120	Zero Complement Presented Framing Index	.282	-.149	.301	.338	.365	.234	.215	.374	-.246	-.210	-.018
121	Zero Complement Presented Gain Lives	.158	.176	.632**	.641**	.332	-.139	-.113	.332	.010	.006	.515**
122	Zero Complement Presented Gain Lives Signed Confidence	.203	.176	.681**	.707**	.388	-.105	-.087	.393*	.016	-.008	.561**
123	Zero Complement Presented Gain Risky Choices	.402*	.224	.417*	.428*	.318	.052	.079	.334	.143	.133	.483*
124	Zero Complement Presented Gain Money Risky Choices	.578**	.205	-.030	-.021	.180	.290	.309	.210	.269	.253	.258
125	Zero Complement Presented Gain Money Signed Confidence	.592**	.159	-.050	-.046	.211	.354	.381	.246	.271	.246	.244
126	Zero Complement Presented Gain Signed Confidence	.452*	.206	.444*	.464*	.379	.113	.141	.401*	.154	.124	.516**
127	Zero Complement Presented Lives Framing Index	.282	-.149	.301	.338	.365	.234	.215	.374	-.246	-.210	-.018
128	Zero Complement Presented Lives Signed Confidence Framing Index	.275	-.082	.269	.314	.313	.190	.179	.332	-.183	-.146	.022
129	Zero Complement Presented Loss Lives Risky Choices	.359	.128	.612**	.617**	.521**	.155	.155	.510**	.041	.079	.531**
130	Zero Complement Presented Loss Lives Signed Confidence	.399*	.201	.580**	.580**	.491*	.142	.151	.484*	.137	.180	.607**
131	Zero Complement Presented Loss Risky Choices	.606**	.077	.537**	.565**	.599**	.340	.337	.609**	-.007	.031	.422*
132	Zero Complement Presented Loss Money Risky Choices	.729**	-.006	.298	.345	.522**	.463*	.458*	.554**	-.062	-.036	.173
133	Zero Complement Presented Loss Money Signed Confidence	.754**	.033	.255	.307	.504**	.479*	.488*	.552**	.007	.029	.211
134	Zero Complement Presented Loss Signed Confidence	.645**	.139	.488*	.516**	.567**	.342	.352	.588**	.087	.125	.481*

		166	167	168	169	170	171	172	173	174	175	176
135	Zero Complement Presented Money Framing Index	.282	-.149	.301	.338	.365	.234	.215	.374	-.246	-.210	-.018
136	Zero Complement Presented Money Signed Confidence Framing Index	.275	-.082	.269	.314	.313	.190	.179	.332	-.183	-.146	.022
137	Zero Complement Presented Signed Confidence Framing Index	.275	-.082	.269	.314	.313	.190	.179	.332	-.183	-.146	.022
138	Framing Index	.324	.783**	-.040	-.074	-.189	-.235	-.201	-.194	.645**	.669**	.646**
139	Gain Lives Risky Choices	.202	-.016	.870**	.867**	.606**	.025	.026	.578**	-.206	-.203	.479*
140	Gain Lives Signed Confidence	.219	-.026	.862**	.888**	.608**	.037	.036	.599**	-.198	-.221	.480*
141	Gain Risky Choices	.655**	-.114	.676**	.678**	.812**	.512**	.520**	.814**	-.161	-.153	.371
142	Gain Money Risky Choices	.875**	-.178	.023	.030	.612**	.862**	.874**	.652**	-.008	.003	.010
143	Gain Money Signed Confidence	.868**	-.141	.007	.007	.587**	.840**	.864**	.630**	.035	.044	.042
144	Gain Signed Confidence	.681**	-.103	.641**	.660**	.800**	.530**	.543**	.819**	-.126	-.136	.379
145	Both Complements Presented Framing Index	.273	.638**	-.076	-.100	-.217	-.239	-.226	-.228	.476*	.489*	.439*
146	Both Complements Presented Gain Lives Risky Choices	.233	-.018	.701**	.707**	.555**	.117	.126	.547**	-.110	-.125	.444*
147	Both Complements Presented Gain Lives Signed Confidence	.255	.000	.725**	.749**	.561**	.102	.109	.562**	-.096	-.128	.477*
148	Both Complements Presented Gain Risky Choices	.577**	-.020	.486*	.479*	.614**	.412*	.434*	.623**	.015	.019	.404*
149	Both Complements Presented Gain Money Risky Choices	.707**	-.013	-.003	-.022	.388	.564**	.590**	.413*	.156	.180	.161
150	Both Complements Presented Gain Money Signed Confidence	.707**	.015	.013	-.020	.385	.544**	.565**	.396*	.168	.205	.187
151	Both Complements Presented Gain Signed Confidence	.599**	.009	.485*	.481*	.604**	.399*	.416*	.612**	.039	.041	.428*
152	Both Complements Presented Lives Framing Index	.184	.632**	-.250	-.293	-.329	-.231	-.208	-.339	.646**	.651**	.479*
153	Both Complements Presented Lives Signed Confidence Framing Index	.213	.601**	-.326	-.377	-.341	-.174	-.149	-.351	.607**	.661**	.376
154	Both Complements Presented Loss Lives Risky Choices	.390*	.580**	.415*	.380	.204	-.110	-.079	.188	.508**	.499**	.864**

		166	167	168	169	170	171	172	173	174	175	176
155	Both Complements Presented Loss Lives Signed Confidence	.469*	.583**	.428*	.403*	.245	-.064	-.033	.236	.490*	.510**	.855**
156	Both Complements Presented Loss Risky Choices	.716**	.544**	.335	.307	.317	.130	.159	.314	.431*	.446*	.719**
157	Both Complements Presented Loss Money Risky Choices	.815**	.318	.134	.124	.326	.340	.357	.339	.199	.235	.316
158	Both Complements Presented Loss Money Signed Confidence	.885**	.311	.175	.158	.406*	.415*	.442*	.422*	.199	.244	.348
159	Both Complements Presented Loss Signed Confidence	.784**	.508**	.341	.317	.376	.210	.243	.381	.390*	.427*	.681**
160	Both Complements Presented Money Framing Index	.246	.354	.147	.153	.004	-.139	-.143	-.005	.075	.092	.197
161	Both Complements Presented Money Signed Confidence Framing Index	.283	.331	.182	.196	.070	-.077	-.068	.077	.054	.068	.202
162	Both Complements Presented Signed Confidence Framing Index	.322	.605**	-.096	-.120	-.178	-.163	-.141	-.180	.431*	.475*	.376
163	Money Framing Index	.292	.578**	.275	.252	.018	-.244	-.227	-.002	.233	.274	.464*
164	Money Risky Choices	.992**	.135	.167	.162	.595**	.696**	.717**	.623**	.116	.148	.255
165	Money Signed Confidence Framing Index	.275	.558**	.273	.260	.017	-.242	-.224	.006	.231	.273	.459*
166	Money Signed Confidence	1	.146	.147	.140	.590**	.708**	.741**	.627**	.152	.184	.277
167	Nonzero Complement Presented Framing Index	.146	1	-.182	-.242	-.451*	-.474*	-.405*	-.449*	.890**	.888**	.788**
168	Nonzero Complement Presented Gain Lives Risky Choices	.147	-.182	1	.977**	.723**	.067	.036	.657**	-.440*	-.414*	.336
169	Nonzero Complement Presented Gain Lives Signed Confidence	.140	-.242	.977**	1	.725**	.092	.063	.691**	-.469*	-.475*	.288
170	Nonzero Complement Presented Gain Risky Choices	.590**	-.451*	.723**	.725**	1	.738**	.709**	.981**	-.527**	-.502**	.024
171	Nonzero Complement Presented Gain Money Risky Choices	.708**	-.474*	.067	.092	.738**	1	.989**	.776**	-.331	-.320	-.294
172	Nonzero Complement Presented Gain Money Signed Confidence	.741**	-.405*	.036	.063	.709**	.989**	1	.765**	-.259	-.256	-.243
173	Nonzero Complement Presented Gain Signed Confidence	.627**	-.449*	.657**	.691**	.981**	.776**	.765**	1	-.491*	-.492*	.010

		166	167	168	169	170	171	172	173	174	175	176
174	Nonzero Complement Presented Lives Framing Index	.152	.890**	-.440*	-.469*	-.527**	-.331	-.259	-.491*	1	.967**	.698**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.184	.888**	-.414*	-.475*	-.502**	-.320	-.256	-.492*	.967**	1	.684**
176	Nonzero Complement Presented Loss Lives Risky Choices	.277	.788**	.336	.288	.024	-.294	-.243	.010	.698**	.684**	1
177	Nonzero Complement Presented Loss Lives Signed Confidence	.315	.745**	.385	.339	.077	-.265	-.221	.059	.636**	.667**	.975**
178	Nonzero Complement Presented Loss Risky Choices	.584**	.766**	.322	.259	.228	.015	.069	.217	.591**	.607**	.878**
179	Nonzero Complement Presented Loss Money Risky Choices	.757**	.517**	.213	.151	.390*	.354	.397*	.385	.301	.346	.486*
180	Nonzero Complement Presented Loss Money Signed Confidence	.779**	.526**	.189	.137	.378	.361	.409*	.384	.337	.380	.504**
181	Nonzero Complement Presented Loss Signed Confidence	.625**	.730**	.330	.273	.259	.052	.105	.252	.559**	.602**	.850**
182	Nonzero Complement Presented Money Framing Index	.103	.872**	.140	.062	-.259	-.511**	-.462*	-.294	.554**	.586**	.692**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.058	.858**	.143	.071	-.289	-.557**	-.523**	-.333	.549**	.587**	.691**
184	Nonzero Complement Presented Signed Confidence Framing Index	.136	.980**	-.155	-.230	-.445*	-.491*	-.436*	-.464*	.853**	.893**	.771**

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).

		177	178	179	180	181	182	183	184
1	Criterion	-.186	-.244	-.114	-.136	-.185	-.364	-.389*	-.387
2	Criterion Calm Distractor	-.131	-.119	-.011	-.060	-.112	-.079	-.111	-.284
3	Criterion CalmFear	-.251	-.292	-.140	-.153	-.241	-.296	-.335	-.497*
4	Criterion CalmHappy	-.312	-.295	-.123	-.164	-.279	-.482*	-.513**	-.538**
5	Criterion Calm Target	-.307	-.287	-.087	-.124	-.254	-.359	-.405*	-.530**
6	Criterion Emotional Distractor	-.372	-.380	-.179	-.236	-.358	-.426*	-.476*	-.608**
7	Criterion Emotional Target	-.313	-.334	-.182	-.233	-.321	-.328	-.349	-.506**
8	Criterion FearCalm	-.102	.013	.220	.195	.051	.028	.008	-.116
9	Criterion FearDistractor	-.274	-.254	-.094	-.146	-.243	-.378	-.448*	-.589**
10	Criterion FearHappy	-.404	-.424*	-.203	-.229	-.377	-.302	-.277	-.449*
11	Criterion Fear Target	-.377	-.361	-.148	-.180	-.328	-.211	-.204	-.398*
12	Criterion HappyCalm	-.070	-.111	-.082	-.116	-.109	-.140	-.164	-.285
13	Criterion Happy Distractor	-.452*	-.422*	-.181	-.227	-.400*	-.452*	-.470*	-.546**
14	Criterion HappyFear	-.250	-.222	-.097	-.180	-.253	-.355	-.422*	-.482*
15	Criterion Happy Target	-.082	-.110	-.091	-.167	-.146	-.157	-.228	-.270
16	Criterion NonEmotional Distractor	-.131	-.119	-.011	-.060	-.112	-.079	-.111	-.284
17	Criterion NonEmotional Target	-.307	-.287	-.087	-.124	-.254	-.359	-.405*	-.530**
18	DPrime	-.235	-.130	.057	.047	-.109	-.149	-.111	-.235
19	DPrime Calm Distractor	.285	.348	.291	.299	.343	.114	.089	.089
20	DPrime CalmFear	-.372	-.215	.067	.065	-.186	-.119	-.099	-.226
21	DPrime CalmHappy	-.018	-.023	.008	-.018	-.021	-.011	.021	-.074
22	DPrime Calm Target	-.288	-.195	.011	-.004	-.173	-.182	-.134	-.306
23	DPrime Emotional Distractor	-.327	-.263	-.068	-.085	-.243	-.250	-.207	-.368
24	DPrime Emotional Target	-.019	-.066	-.084	-.080	-.058	-.265	-.273	-.268
25	DPrime FearCalm	.063	.227	.294	.332	.225	-.022	-.029	-.023
26	DPrime Fear Distractor	-.291	-.234	-.083	-.108	-.231	-.171	-.160	-.235
27	DPrime FearHappy	-.345	-.433*	-.305	-.293	-.379	-.379	-.339	-.439*
28	DPrime Fear Target	-.214	-.181	-.069	-.032	-.145	-.359	-.344	-.390

		177	178	179	180	181	182	183	184
29	DPrime HappyCalm	.456*	.350	.146	.087	.320	.407*	.372	.387
30	DPrime Happy Distractor	-.217	-.244	-.156	-.169	-.226	-.224	-.184	-.303
31	DPrime HappyFear	.004	.022	.021	-.031	-.016	.171	.134	.109
32	DPrime Happy Target	.358	.250	.059	.008	.216	.238	.189	.280
33	DPrime NonEmotional Distractor	.285	.348	.291	.299	.343	.114	.089	.089
34	DPrime NonEmotional Target	-.288	-.195	.011	-.004	-.173	-.182	-.134	-.306
35	zCorrectRejectionRate Calm Distractor	.056	.099	.150	.117	.102	.002	-.036	-.167
36	zCorrectRejectionRate CalmFear	-.450*	-.367	-.054	-.065	-.310	-.301	-.315	-.526**
37	zCorrectRejectionRate CalmHappy	-.186	-.182	-.061	-.105	-.171	-.275	-.266	-.358
38	zCorrectRejectionRate Calm Target	-.396*	-.309	-.037	-.069	-.274	-.337	-.323	-.527**
39	zCorrectRejectionRate Emotional Distractor	-.436*	-.394	-.146	-.189	-.368	-.410*	-.406*	-.593**
40	zCorrectRejectionRate Emotional Target	-.258	-.296	-.183	-.222	-.282	-.382	-.402*	-.525**
41	zCorrectRejectionRate FearCalm	-.029	.140	.312	.318	.164	.005	-.011	-.087
42	zCorrectRejectionRate Fear Distractor	-.381	-.329	-.120	-.172	-.320	-.375	-.417*	-.565**
43	zCorrectRejectionRate FearHappy	-.401	-.462*	-.277	-.283	-.407*	-.370	-.334	-.477*
44	zCorrectRejectionRate Fear Target	-.383	-.354	-.142	-.143	-.310	-.349	-.335	-.496*
45	zCorrectRejectionRate HappyCalm	.225	.131	.029	-.032	.114	.144	.105	.025
46	zCorrectRejectionRate Happy Distractor	-.395	-.398*	-.208	-.241	-.374	-.399*	-.380	-.505**
47	zCorrectRejectionRate HappyFear	-.188	-.158	-.063	-.151	-.199	-.189	-.256	-.314
48	zCorrectRejectionRate Happy Target	.127	.051	-.034	-.114	.008	.012	-.064	-.047
49	zCorrectRejectionRate NonEmotional Distractor	.056	.099	.150	.117	.102	.002	-.036	-.167
50	zCorrectRejectionRate NonEmotional Target	-.396*	-.309	-.037	-.069	-.274	-.337	-.323	-.527**
51	zFalseAlarmRate Calm Distractor	-.056	-.099	-.150	-.117	-.102	-.002	.036	.167
52	zFalseAlarmRate CalmFear	.450*	.367	.054	.065	.310	.301	.315	.526**
53	zFalseAlarmRate CalmHappy	.186	.182	.061	.105	.171	.275	.266	.358
54	zFalseAlarmRate Calm Target	.396*	.309	.037	.069	.274	.337	.323	.527**
55	zFalseAlarmRate Emotional Distractor	.436*	.394	.146	.189	.368	.410*	.406*	.593**

		177	178	179	180	181	182	183	184
56	zFalseAlarmRate Emotional Target	.258	.296	.183	.222	.282	.382	.402*	.525**
57	zFalseAlarmRate FearCalm	.029	-.140	-.312	-.318	-.164	-.005	.011	.087
58	zFalseAlarmRate Fear Distractor	.381	.329	.120	.172	.320	.375	.417*	.565**
59	zFalseAlarmRate FearHappy	.383	.433*	.244	.255	.380	.277	.240	.418*
60	zFalseAlarmRate Fear Target	.383	.354	.142	.143	.310	.349	.335	.496*
61	zFalseAlarmRate HappyCalm	-.225	-.131	-.029	.032	-.114	-.144	-.105	-.025
62	zFalseAlarmRate Happy Distractor	.395	.398*	.208	.241	.374	.399*	.380	.505**
63	zFalseAlarmRate HappyFear	.188	.158	.063	.151	.199	.189	.256	.314
64	zFalseAlarmRate Happy Target	-.127	-.051	.034	.114	-.008	-.012	.064	.047
65	zFalseAlarmRate NonEmotional Distractor	-.056	-.099	-.150	-.117	-.102	-.002	.036	.167
66	zFalseAlarmRate NonEmotional Target	.396*	.309	.037	.069	.274	.337	.323	.527**
67	zHitRate Calm Distractor	.294	.323	.193	.241	.314	.142	.154	.305
68	zHitRate CalmFear	-.094	.049	.144	.154	.035	.130	.171	.203
69	zHitRate CalmHappy	.159	.145	.075	.076	.138	.260	.304	.238
70	zHitRate Calm Target	-.077	-.007	.059	.067	-.006	.045	.112	.034
71	zHitRate Emotional Distractor	-.042	.023	.062	.086	.025	.067	.141	.084
72	zHitRate Emotional Target	.291	.284	.129	.180	.277	.169	.185	.339
73	zHitRate FearCalm	.144	.175	.043	.096	.139	-.043	-.031	.086
74	zHitRate Fear Distractor	.002	.028	.013	.036	.022	.169	.231	.286
75	zHitRate FearHappy	.013	-.086	-.180	-.129	-.068	-.161	-.135	-.062
76	zHitRate Fear Target	.185	.195	.084	.138	.190	-.069	-.065	.077
77	zHitRate HappyCalm	.365	.331	.173	.160	.309	.387	.381	.490*
78	zHitRate Happy Distractor	.109	.063	-.021	-.001	.064	.103	.153	.094
79	zHitRate HappyFear	.245	.228	.110	.161	.236	.452*	.496*	.551**
80	zHitRate Happy Target	.331	.282	.129	.166	.292	.319	.353	.458*
81	zHitRate NonEmotional Distractor	.294	.323	.193	.241	.314	.142	.154	.305
82	zHitRate NonEmotional Target	-.077	-.007	.059	.067	-.006	.045	.112	.034
83	zMissRate Calm Distractor	-.294	-.323	-.193	-.241	-.314	-.142	-.154	-.305
84	zMissRate CalmFear	.094	-.049	-.144	-.154	-.035	-.130	-.171	-.203

		177	178	179	180	181	182	183	184
85	zMissRate CalmHappy	-.159	-.145	-.075	-.076	-.138	-.260	-.304	-.238
86	zMissRate Calm Target	.077	.007	-.059	-.067	.006	-.045	-.112	-.034
87	zMissRate Emotional Distractor	.042	-.023	-.062	-.086	-.025	-.067	-.141	-.084
88	zMissRate Emotional Target	-.291	-.284	-.129	-.180	-.277	-.169	-.185	-.339
89	zMissRate FearCalm	-.144	-.175	-.043	-.096	-.139	.043	.031	-.086
90	zMissRate Fear Distractor	-.002	-.028	-.013	-.036	-.022	-.169	-.231	-.286
91	zMissRate FearHappy	-.013	.086	.180	.129	.068	.161	.135	.062
92	zMissRate Fear Target	-.185	-.195	-.084	-.138	-.190	.069	.065	-.077
93	zMissRate HappyCalm	-.365	-.331	-.173	-.160	-.309	-.387	-.381	-.490*
94	zMissRate Happy Distractor	-.109	-.063	.021	.001	-.064	-.103	-.153	-.094
95	zMissRate HappyFear	-.245	-.228	-.110	-.161	-.236	-.452*	-.496*	-.551**
96	zMissRate Happy Target	-.331	-.282	-.129	-.166	-.292	-.319	-.353	-.458*
97	zMissRate NonEmotional Distractor	-.294	-.323	-.193	-.241	-.314	-.142	-.154	-.305
98	zMissRate NonEmotional Target	.077	.007	-.059	-.067	.006	-.045	-.112	-.034
99	zRT AllRuns Hits	-.071	-.017	.074	-.006	-.044	-.042	-.087	-.223
100	zRT Calm Distractor Hits	-.002	.054	.136	.065	.036	.039	-.004	-.146
101	zRT Calm Target Hits	.005	.060	.166	.096	.059	-.026	-.058	-.127
102	zRT Emotional Distractor Hits	.030	.069	.157	.088	.069	-.012	-.049	-.112
103	zRT Emotional Target Hits	-.037	.009	.086	.010	-.016	-.015	-.060	-.193
104	zRT Fear Distractor Hits	.069	.056	.110	.041	.064	.006	-.047	-.029
105	zRT Fear Target Hits	-.030	-.003	.068	-.023	-.030	-.107	-.166	-.327
106	zRT Happy Distractor Hits	.081	.128	.187	.116	.116	.017	-.029	-.086
107	zRT Happy Target Hits	-.011	.029	.132	.087	.044	-.026	-.052	-.110
108	zRT Hits Calm	-.068	-.007	.094	.015	-.031	-.027	-.072	-.212
109	ZRT Hits CalmFear	.039	-.022	.043	-.028	.006	-.111	-.167	-.178
110	ZRT Hits CalmHappy	.001	.072	.158	.091	.054	-.064	-.110	-.140
111	zRT Hits Fear	-.068	-.024	.067	-.016	-.048	-.042	-.085	-.231
112	ZRT Hits FearCalm	-.031	.014	.112	.021	-.006	-.090	-.148	-.313
113	ZRT Hits FearHappy	.111	.099	.129	.055	.099	-.053	-.102	-.195

		177	178	179	180	181	182	183	184
114	zRT Hits Happy	-.056	.000	.080	.001	-.032	-.042	-.090	-.217
115	ZRT Hits HappyCalm	.082	.119	.194	.158	.140	.057	.023	-.035
116	ZRT Hits HappyFear	.043	.038	.066	.005	.027	-.063	-.118	-.065
117	zRT Hits	-.071	-.017	.074	-.006	-.044	-.042	-.087	-.223
118	zRT Nonemotional Distractor Hits	-.002	.054	.136	.065	.036	.039	-.004	-.146
119	zRT Nonemotional Target Hits	.005	.060	.166	.096	.059	-.026	-.058	-.127
120	Zero Complement Presented Framing Index	.062	.101	.203	.162	.128	-.009	-.043	-.143
121	Zero Complement Presented Gain Lives	.550**	.431*	.212	.233	.450*	.311	.320	.182
122	Zero Complement Presented Gain Lives Signed Confidence	.590**	.472*	.235	.248	.482*	.304	.310	.168
123	Zero Complement Presented Gain Risky Choices	.504**	.474*	.326	.379	.507**	.256	.283	.232
124	Zero Complement Presented Gain Money Risky Choices	.253	.354	.357	.433*	.392*	.087	.126	.213
125	Zero Complement Presented Gain Money Signed Confidence	.224	.326	.323	.387	.349	.001	.016	.148
126	Zero Complement Presented Gain Signed Confidence	.526**	.498**	.332	.375	.517**	.211	.223	.194
127	Zero Complement Presented Lives Framing Index	.062	.101	.203	.162	.128	-.009	-.043	-.143
128	Zero Complement Presented Lives Signed Confidence Framing Index	.110	.136	.223	.215	.185	.047	.039	-.061
129	Zero Complement Presented Loss Lives Risky Choices	.608**	.516**	.348	.344	.547**	.190	.181	.146
130	Zero Complement Presented Loss Lives Signed Confidence	.684**	.573**	.369	.380	.611**	.220	.218	.223
131	Zero Complement Presented Loss Risky Choices	.512**	.515**	.469*	.474*	.565**	.147	.138	.094
132	Zero Complement Presented Loss Money Risky Choices	.253	.370	.481*	.494*	.427*	.055	.047	.006
133	Zero Complement Presented Loss Money Signed Confidence	.291	.399*	.491*	.531**	.470*	.052	.055	.047
134	Zero Complement Presented Loss Signed Confidence	.570**	.560**	.486*	.514**	.622**	.161	.161	.160

		177	178	179	180	181	182	183	184
135	Zero Complement Presented Money Framing Index	.062	.101	.203	.162	.128	-.009	-.043	-.143
136	Zero Complement Presented Money Signed Confidence Framing Index	.110	.136	.223	.215	.185	.047	.039	-.061
137	Zero Complement Presented Signed Confidence Framing Index	.110	.136	.223	.215	.185	.047	.039	-.061
138	Framing Index	.653**	.718**	.590**	.589**	.712**	.739**	.733**	.787**
139	Gain Lives Risky Choices	.517**	.419*	.231	.215	.421*	.191	.177	-.017
140	Gain Lives Signed Confidence	.515**	.411*	.214	.200	.412*	.166	.155	-.039
141	Gain Risky Choices	.411*	.461*	.427*	.426*	.480*	-.036	-.072	-.127
142	Gain Money Risky Choices	.029	.247	.439*	.459*	.277	-.317	-.362	-.199
143	Gain Money Signed Confidence	.054	.269	.444*	.457*	.291	-.295	-.354	-.172
144	Gain Signed Confidence	.413*	.464*	.424*	.422*	.478*	-.054	-.097	-.132
145	Both Complements Presented Framing Index	.438*	.540**	.495*	.521**	.549**	.655**	.691**	.661**
146	Both Complements Presented Gain Lives Risky Choices	.465*	.380	.199	.162	.361	.085	.038	-.050
147	Both Complements Presented Gain Lives Signed Confidence	.497**	.404*	.205	.173	.386	.104	.063	-.037
148	Both Complements Presented Gain Risky Choices	.426*	.421*	.318	.281	.406*	-.052	-.129	-.061
149	Both Complements Presented Gain Money Risky Choices	.174	.266	.306	.287	.264	-.190	-.265	-.045
150	Both Complements Presented Gain Money Signed Confidence	.202	.294	.327	.299	.287	-.154	-.231	-.013
151	Both Complements Presented Gain Signed Confidence	.451*	.445*	.335	.296	.429*	-.026	-.100	-.032
152	Both Complements Presented Lives Framing Index	.449*	.452*	.292	.308	.435*	.462*	.476*	.634**
153	Both Complements Presented Lives Signed Confidence Framing Index	.387	.409*	.327	.349	.422*	.446*	.461*	.630**
154	Both Complements Presented Loss Lives Risky Choices	.855**	.780**	.460*	.441*	.745**	.515**	.484*	.552**

		177	178	179	180	181	182	183	184
155	Both Complements Presented Loss Lives Signed Confidence	.887**	.813**	.529**	.516**	.806**	.540**	.512**	.573**
156	Both Complements Presented Loss Risky Choices	.737**	.822**	.698**	.690**	.818**	.532**	.501**	.531**
157	Both Complements Presented Loss Money Risky Choices	.356	.581**	.708**	.715**	.612**	.367	.345	.325
158	Both Complements Presented Loss Money Signed Confidence	.395*	.632**	.764**	.776**	.669**	.355	.325	.319
159	Both Complements Presented Loss Signed Confidence	.726**	.825**	.746**	.745**	.843**	.510**	.476*	.507**
160	Both Complements Presented Money Framing Index	.228	.389*	.491*	.515**	.424*	.567**	.611**	.392*
161	Both Complements Presented Money Signed Confidence Framing Index	.239	.411*	.525**	.565**	.459*	.547**	.590**	.367
162	Both Complements Presented Signed Confidence Framing Index	.407*	.532**	.552**	.592**	.571**	.644**	.681**	.648**
163	Money Framing Index	.506**	.644**	.657**	.638**	.655**	.808**	.801**	.600**
164	Money Risky Choices	.295	.576**	.767**	.776**	.611**	.123	.077	.126
165	Money Signed Confidence Framing Index	.512**	.621**	.620**	.637**	.658**	.772**	.798**	.598**
166	Money Signed Confidence	.315	.584**	.757**	.779**	.625**	.103	.058	.136
167	Nonzero Complement Presented Framing Index	.745**	.766**	.517**	.526**	.730**	.872**	.858**	.980**
168	Nonzero Complement Presented Gain Lives Risky Choices	.385	.322	.213	.189	.330	.140	.143	-.155
169	Nonzero Complement Presented Gain Lives Signed Confidence	.339	.259	.151	.137	.273	.062	.071	-.230
170	Nonzero Complement Presented Gain Risky Choices	.077	.228	.390*	.378	.259	-.259	-.289	-.445*
171	Nonzero Complement Presented Gain Money Risky Choices	-.265	.015	.354	.361	.052	-.511**	-.557**	-.491*
172	Nonzero Complement Presented Gain Money Signed Confidence	-.221	.069	.397*	.409*	.105	-.462*	-.523**	-.436*
173	Nonzero Complement Presented Gain Signed Confidence	.059	.217	.385	.384	.252	-.294	-.333	-.464*

		177	178	179	180	181	182	183	184
174	Nonzero Complement Presented Lives Framing Index	.636**	.591**	.301	.337	.559**	.554**	.549**	.853**
175	Nonzero Complement Presented Lives Signed Confidence Framing Index	.667**	.607**	.346	.380	.602**	.586**	.587**	.893**
176	Nonzero Complement Presented Loss Lives Risky Choices	.975**	.878**	.486*	.504**	.850**	.692**	.691**	.771**
177	Nonzero Complement Presented Loss Lives Signed Confidence	1	.869**	.498**	.522**	.875**	.679**	.688**	.760**
178	Nonzero Complement Presented Loss Risky Choices	.869**	1	.845**	.846**	.983**	.765**	.728**	.749**
179	Nonzero Complement Presented Loss Money Risky Choices	.498**	.845**	1	.982**	.845**	.623**	.558**	.506**
180	Nonzero Complement Presented Loss Money Signed Confidence	.522**	.846**	.982**	1	.870**	.600**	.564**	.529**
181	Nonzero Complement Presented Loss Signed Confidence	.875**	.983**	.845**	.870**	1	.734**	.718**	.740**
182	Nonzero Complement Presented Money Framing Index	.679**	.765**	.623**	.600**	.734**	1	.979**	.876**
183	Nonzero Complement Presented Money Signed Confidence Framing Index	.688**	.728**	.558**	.564**	.718**	.979**	1	.889**
184	Nonzero Complement Presented Signed Confidence Framing Index	.760**	.749**	.506**	.529**	.740**	.876**	.889**	1

Note. \*.  $p < 0.05$  (2-tailed). \*\*.  $p < 0.01$  (2-tailed).