Table 4.1. Number of cells expressing *c-fos* in response to odorants

Treatment	n	range	Chemical Class	Odor Type^	p value
Embryo Medium (EM)	192	0-6	buffered salts	-	N/A
EM + EtOH	106	0-4	alcohol	-	>0.1
EM + dH_2O	159	0-8	water	-	>0.1
17,20P [10^{-8}M]	225	0-8	steroid hormone	pheromone[a]	>0.1
17,20P [10^{-10}M]	170	0-6	steroid hormone	pheromone[a]	>0.1
PGF_{2a} [10^{-8}M]	143	0-8	prostaglandin	pheromone[a]	<0.005* (+)
PGF_{2a} [10^{-10}M]	105	0-4	prostaglandin	pheromone[a]	>0.1
Taurocholic Acid [10^{-8}M]	102	0-2	bile acid	kin odor[b]	<0.005* (-)
Taurocholic Acid [10^{-10}M]	130	0-2	bile acid	kin odor[b]	<0.005* (-)

n= Number of OE counted per treatment when individual experiments are combined.
^ As judged by behavioral response.
a. Sorenson *et al.* (1998)
b. Zhang et. al., (2001)
* Statistically significant result was obtained in multiple replicates.
Data from different replicates were not combined to control for variation in *in situ* hybridization between experiments.
(+) Increase in frequency of OE with high numbers of *c-fos* expressing cells.
(-) Decrease in frequency of OE with high numbers of *c-fos* expressing cells.