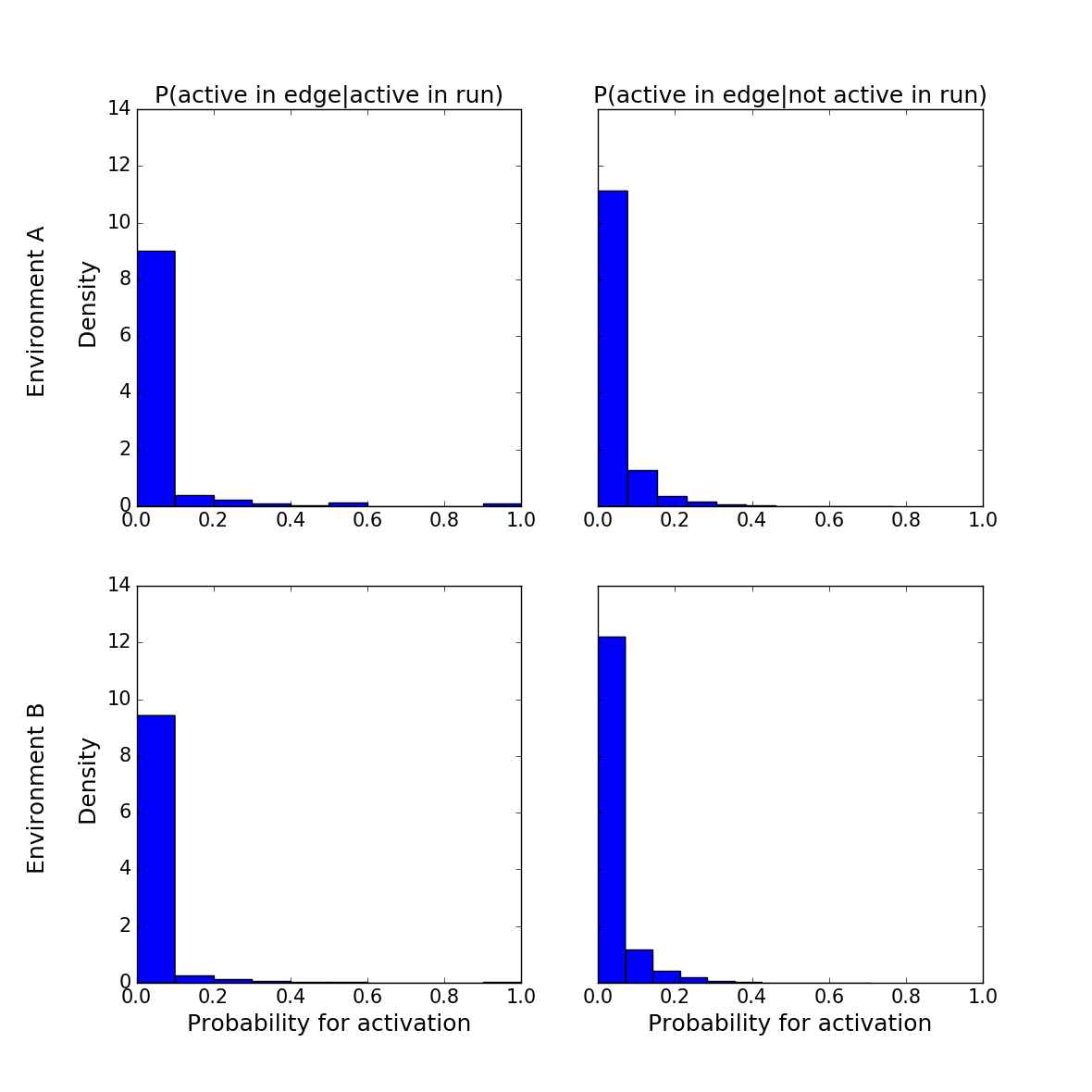
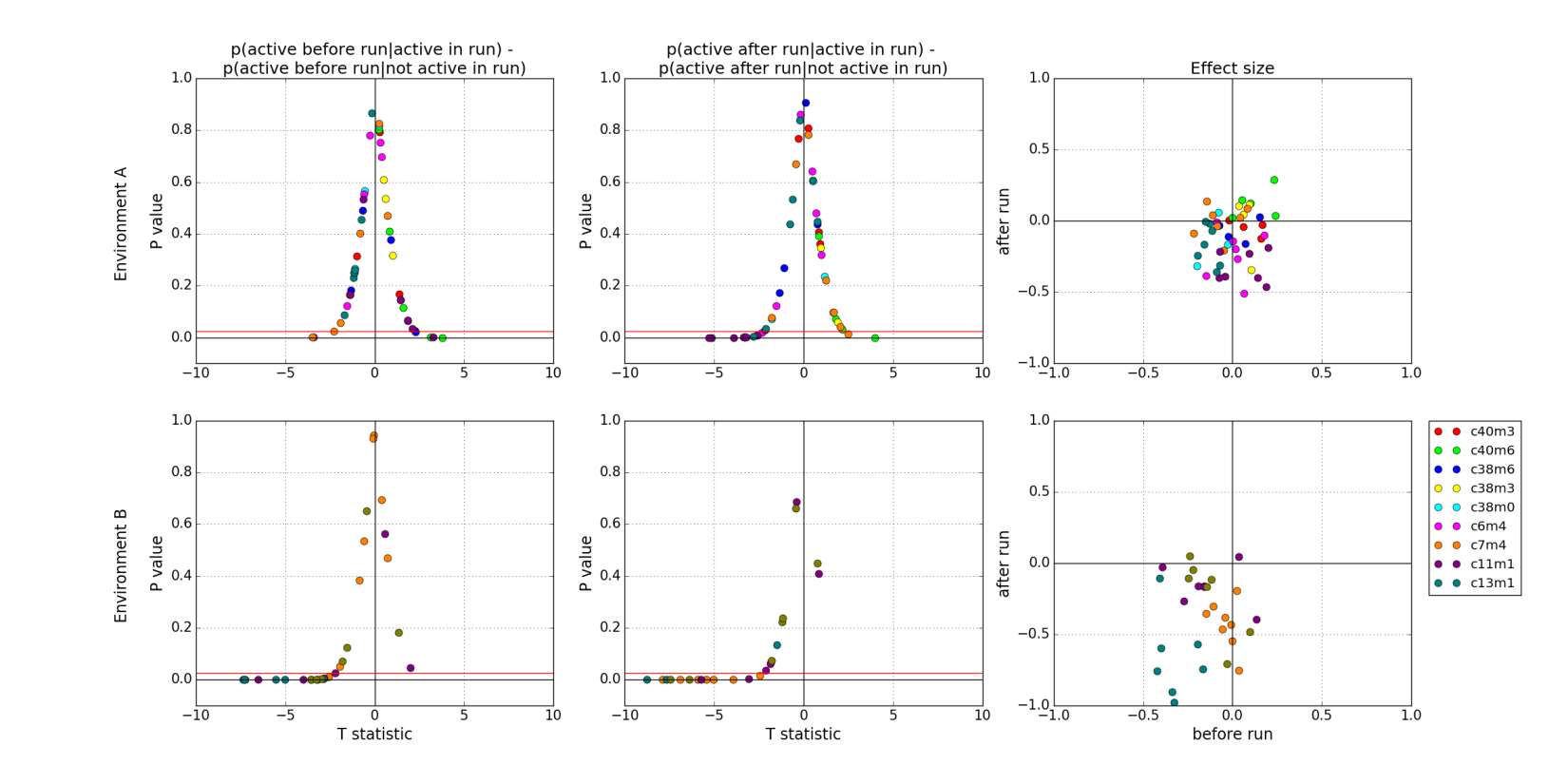
**Fig 1: No significant activation in rest epochs given activation during run epochs**

1. Environment A density of (right) and  (left) taken from n=48 sessions, from 9 mice
2. Same as A) for environment B taken from n=28 sessions, from 4 mice
3. Scatter plot of a matched t-test for the conditional probabilities:when rest can be before run(right), and after (left) in a linear track. Dots are the different color for each mouse. Red line is p=0.025 for two tailed matched t-test. Most sessions show no significant difference between the two conditional probabilities
4. Scatter plot of effect size of the difference between the conditional probabilities in C) axis X is for effect size of the difference: axis Y is for effect size of the difference:

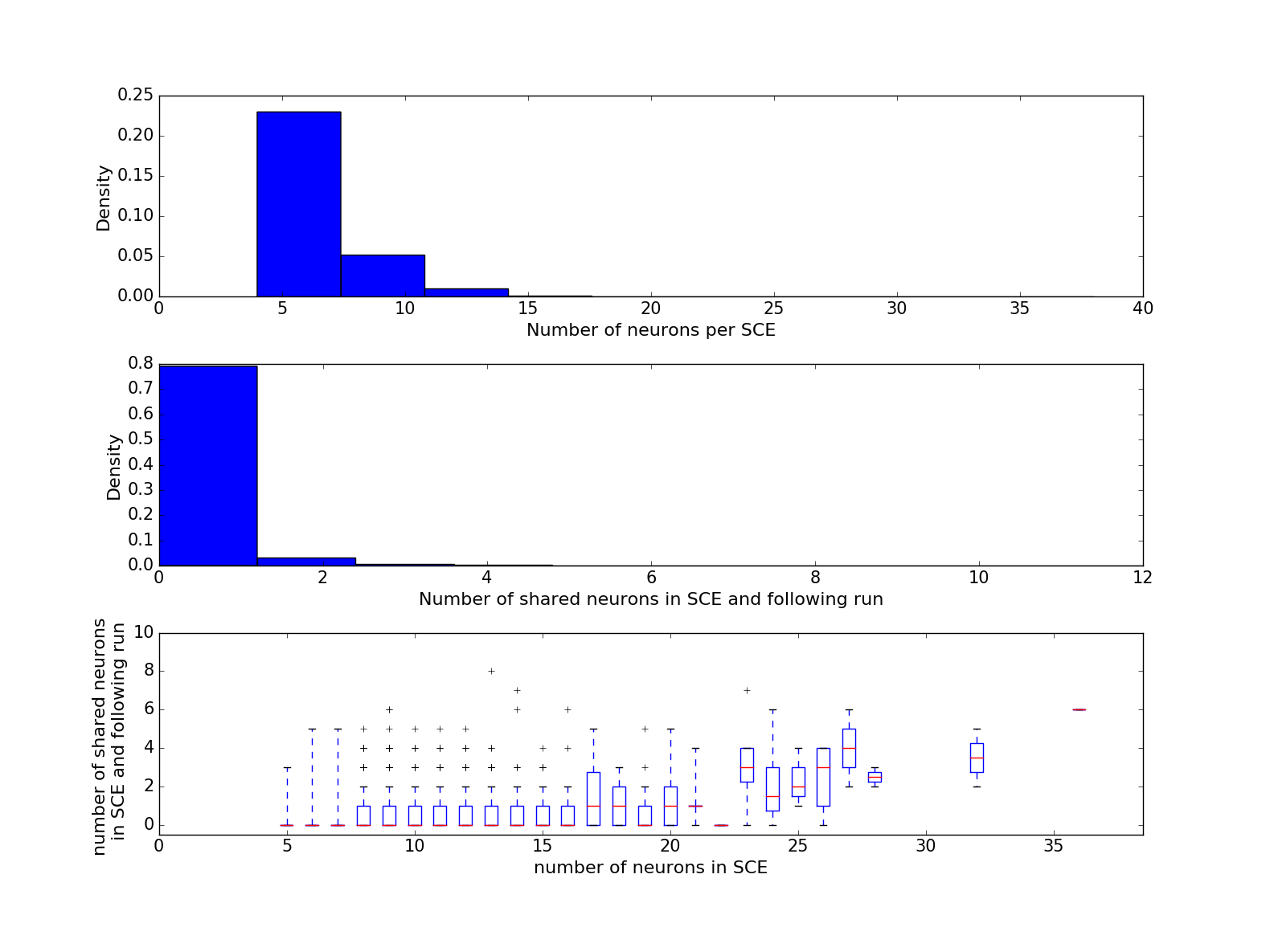
E+ F) same as C)+ D) respectively, for L-shape track. Most significant sessions show higher probability for activation in edge given lack of activation in run epoch.





**Fig 2: Neurons that participate in synchronous calcium events before running are unlikely to be activated in upcoming run epoch.**

1. Distribution of number of neurons per synchronous calcium event (SCE), calculated for all neurons (not only place cells). Data pooled from n=9 mice running on a linear track.
2. Distribution of number of neurons that participated in SCE and in the following run.
3. Box plot of the number of neurons that were active in SCE and in the run epoch that followed.

A 

(Commit: f63e698)

**Fig 3: decoding bucket trials show no significant edge (reward?) representation**

