



Extended Data Figure 3

Unclassified units.

Four example unclassified units. **(A)** Each column shows raster plots for an example Pyr unit in control (Top) and laser (PVA or PVI; Bottom) conditions. *Green and blue bars* at the top of the bottom rasters: time of laser photostimulation which was simultaneous with visual stimulus presentation (1s). Other conventions as in Fig. 1B. **(B)** Top: orientation tuning curves in control (*black*) and laser (PVA, *green*; PVI, *blue*) condition, fitted with a von-Mises function. Error bars: s.e.m. Bottom: ΔT curve (*red*) and RT curve (*cyan*) for each respective cell. **(C)** Relative spiking response (% of max response in control condition) of the same units to stimuli of different drift directions in control vs laser conditions. *Green and blue lines*: threshold linear model fits. *Red line*: fits of our model described in Figs. 7-8.