



Figure 5—figure supplement 4: Neurons with V-shape signed amplitude-ratio functions.

(A) Example single neurons with V-shape signed amplitude-ratio functions. The signed amplitude ratios were calculated based on the Gabor functions fitted to disparity-tuning data (we did not use the peak-to-trough difference of raw disparity-tuning data because it was more susceptible to neuronal noise). **(B)** The average signed amplitude-ratio functions for the subpopulation of neurons similar to the examples in (A) (i.e., neurons with positive values at -100% correlation and negative minima at correlation levels above -100%). The average curve for the V4 subpopulation did not have a large negative minimum, because the location of the minimum varied between -70% and -30% correlations. Error bars indicate \pm SEMs. **(C)** Model-free area-ratio distribution similar to **Figure 5—figure supplement 3A** but without the subpopulation of neurons summarized in (B). The area ratio significantly differed between MT and V4 (two-sided Mann-Whitney U-test, $p = 3.3 \times 10^{-5}$ for the median difference; $N = 67$ for MT, 55 for V4).