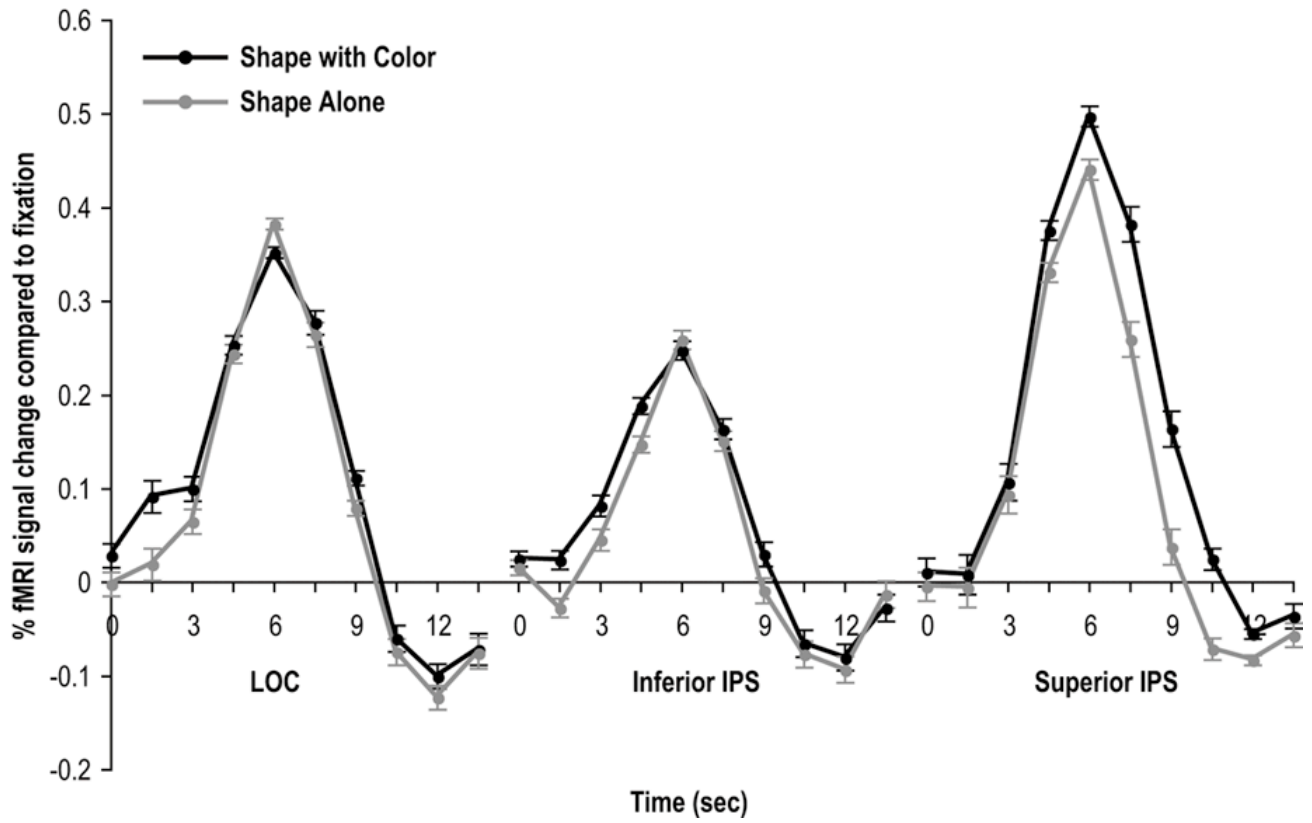
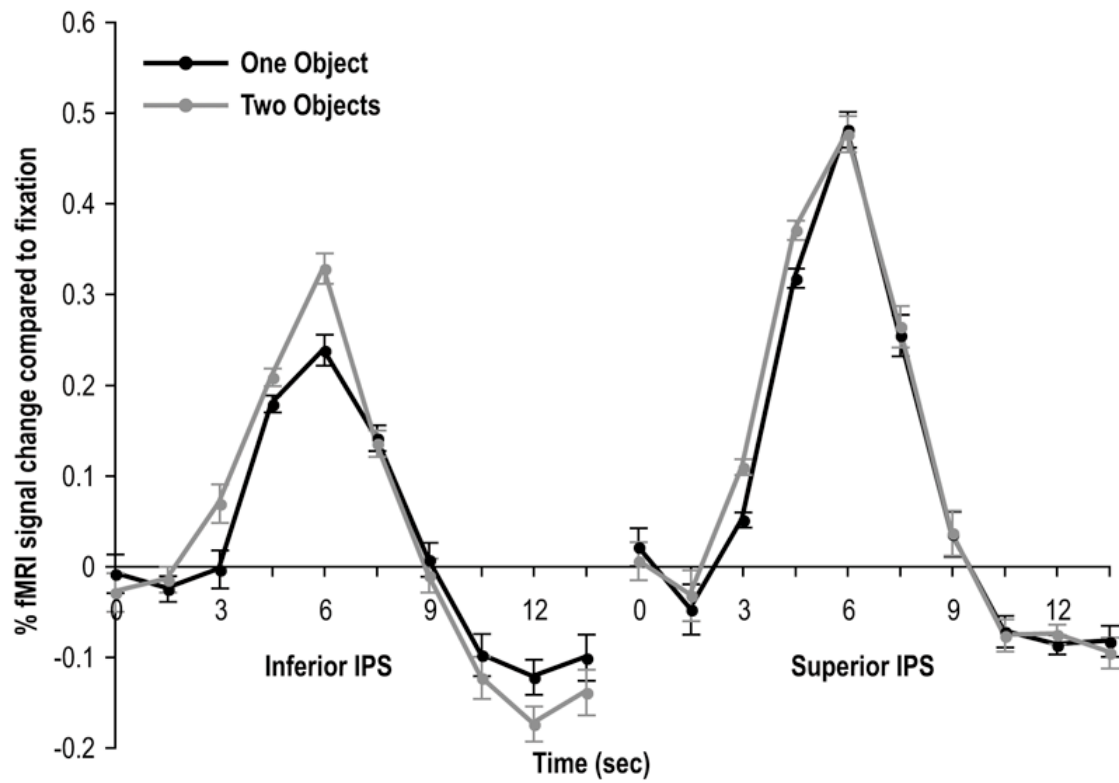


Supplementary Figure 1. (A) An example trial of the color VSTM task used to define the superior IPS ROI. Using the same design as the main experiment, observers remembered the color of each square in the sample display and judged whether the probe color in the test display matched the corresponding color in the sample display. (B) Examples of black object images (top) and noise images (bottom) used to define the LOC and the inferior IPS ROIs in Experiments 3. Observers attended these displays and monitored for an occasional spatial jitter occurring randomly to the displays. (C) Superior IPS (left), inferior IPS (middle), and LOC (right) ROIs from an example observer in Experiment 3.



Supplementary Figure 2. Time courses of fMRI responses from the three ROIs examined in Experiment 3 (with within-subject standard errors).



Supplementary Figure 3. Time courses of fMRI responses from the two ROIs examined in Experiment 4 (with within-subject standard errors).