



Supplementary Figure 1. Single-subject frequency histograms of gaze position, expressed as degrees from screen center. For simplicity, only data for the critical horizontal gaze axis are shown. Data are eye positions at the onset of each 50-ms interval within which gaze deviated no more than 0.5 degree from its initial position. Colors reflect the position of the fixation target when eye position was measured. Note there are no peaks at the positions of the visual stimuli (-9° , -3° , 3° , and 9°).