



**Supplementary Figure S1.** Psychometric functions in near/far discriminations at all disparity magnitudes tested (Experiment 1). The percentages of correct choices are plotted as a function of the % binocular match. Each column shows five psychometric functions obtained at different disparity magnitudes. The function obtained at the smallest disparity magnitude is shown at the top, and the largest disparity magnitude at the bottom. These two are also shown in Figure 2. The value of the disparity magnitude is indicated at the right of each row. Continuous curves represent the descriptive psychometric functions (Equation 1) best fitted to the data obtained at respective disparity magnitudes. The shaded gray area indicates the region where the percentage of correct choices is significantly below chance performance ( $p < 0.05$ , binomial test). Each data point shows the mean calculated from 60 choices. Error bars indicate standard errors of the means (*SEMs*) across two blocks of trials.