**Supplementary Figure S1.** Strategy used to assess pairwise overlap in blur during phase 2 of the design. Each plot contains pair-wise overlap for each optotype pictured in black with each potential pair (colours are shown on corresponding optotypes below each set). From these plots, the blur level required for a threshold level of overlap for each optotype pair could be estimated, as shown in the numbered examples at the bottom. Sloan Letters are provided for comparison.