

Figure S8. Control for Pairs of Cells with the Most Receptive Field Overlap, Which Are Likely to Fire at Similar Event Times
(A) Difference in width between the spike cross-correlation function and the wider of the two spike autocorrelation functions for each pair, as a function of the distance between the two receptive fields. Circles: 15 most closely-spaced pairs. The circles filled in black represent the four pairs of cells receiving common retinal input, as in Fig. 4C. Crosses: 26 remaining pairs. (B) Temporal width of the spike cross-correlation at HC vs. LC for the 15 pairs shown by circles in (A) ( $n=15$ pairs). Same conventions as in Fig.4C.

