

Current Biology, Volume 29

Supplemental Information

**Extreme Compartmentalization
in a *Drosophila* Amacrine Cell**

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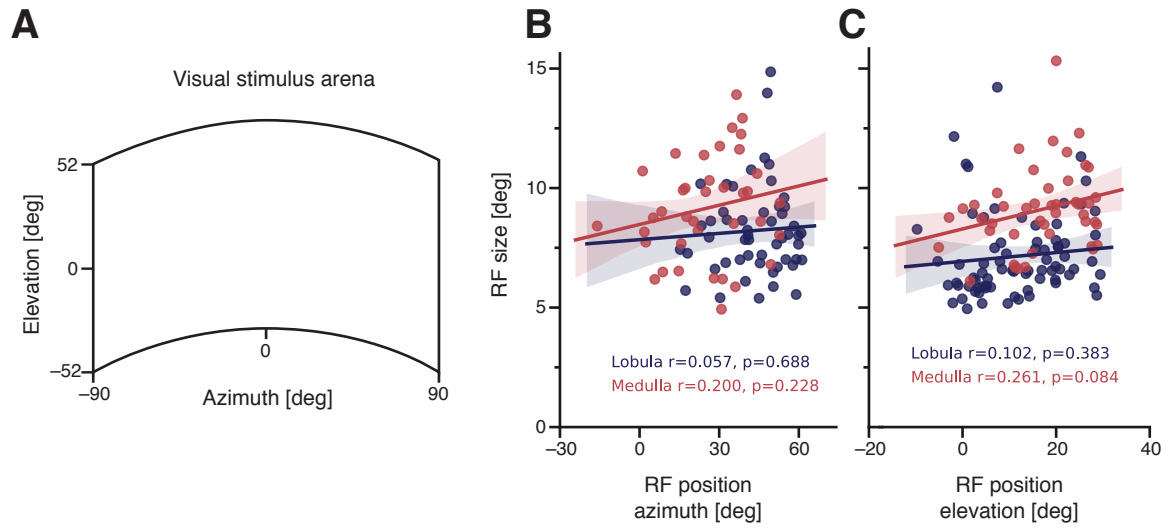


Figure S1 Receptive field sizes and distributions, Related to Figure 2 (A) Schematic depicting the visual stimulation device (arena), covering approximately 180° in azimuth and 104° in elevation. (B) Receptive field size (FWHM, estimated by Gaussian fits) depending on the receptive field location for horizontal bar-noise experiments. Each point corresponds to one ROI in either the medulla (red) or the lobula (blue). The lines depict regression model fits between the receptive field size and position along the azimuth. Pearson's correlation coefficient (r) and 2-tailed p -values (p) are indicated for both lobula and medulla. (C) Receptive field correlation plots for vertical bar noise experiments (same as in B). Error shades indicated 95% confidence inter-