



Supplementary Figure 1. Histogram of the nearest neighbor distance between zebrafish UV cones observed via OCT before and after metronidazole-mediated cone ablation. Nearest neighbor distance in pre-ablated UV cones shows a tight distribution, while nearest neighbor distance in the UV cones after metronidazole-mediated ablation has a much wider distribution, with a significantly larger average distance between the regenerated cones (Mann-Whitney, $p < 0.00001$). Nearest neighbor distances were measured from OCT scans from the same retina before and after metronidazole-mediated ablation from the OCT scans shown in Figure 3. Data for pre-ablation nearest neighbor distance was aggregated from nine OCT scans from nine different retinas, while data for post-ablation was aggregated from three OCT scans at 14DPA, three OCT scans at 28DPA, and three OCT scans at 56DPA.