



Supplemental Figure 4. CDFs for OSIs for the top 30% of cells with the highest firing rates (A-B) and for the bottom 70% of cells with the lowest firing rates (C-D). The left panels are based on early response (A, C); all the right panels are based on late response (B, D). $p > 0.05$ for comparisons of the top 30% cells (A-B); $p = 0.09$ for comparisons of the bottom 70% cells (C-D), suggesting a trend toward lower OSIs in *Dlx1*^{-/-} cells. Blue: *Dlx1*^{+/+}; red: *Dlx1*^{-/-}.