

Appendix

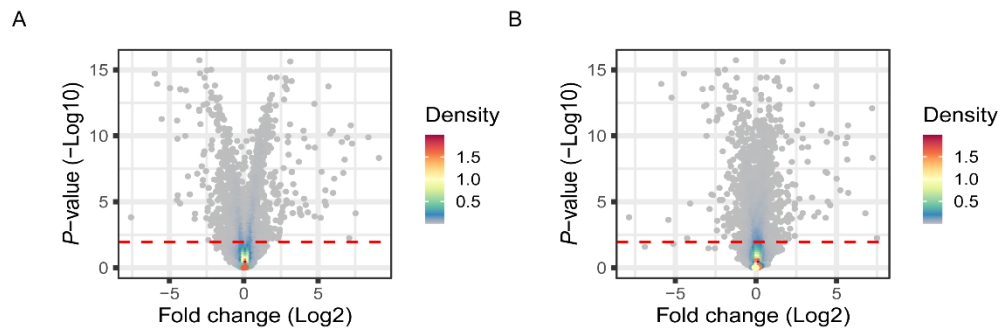
The chromatin factor ROW cooperates with BEAF-32 in regulating long-range inducible genes

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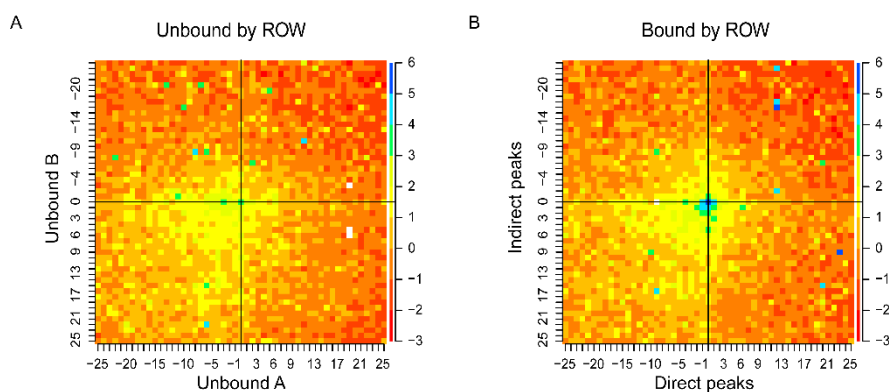
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Appendix Figure S1 Volcano plots for the differential expression analysis in fly heads

(A-B) Volcano plot of the P -values ($-\log_{10}$) as a function of the gene expression fold change (\log_2) in (A) row^{RNAi-1} ($n=3$ biological replicates) and (B) row^{RNAi-2} ($n=2$, biological replicates) relative to *Act-GAL4* control flies ($n=3$ biological replicates).



Appendix Figure S2. Hi-C plots with a matched level of expression

(A-B) A plot of aggregated Hi-C sub-matrices of (A) random sets of promoters unbound by ROW, and (B) random sets of promoters bound directly and indirectly by ROW with matched gene expression levels (mean of $n=100$ random choices). The plots show the promoters in the center within a region of 50kb divided into 50 bins (bin size = 1kb). The values are Z-scores of observed/expected values. The middle region on (B) shows higher values indicating higher levels of long-range interactions between promoters bound directly and indirectly by ROW.