



Figure S5. Function of Br in positive transcriptional regulation. Related to Figure 5

(A) Averaged-normalized tag density of Br in indicated gene sets. Br mainly binds to $Pc^+H3K27me3^+H4K20me1^+$ genes, consistent with our motif analysis result that this motif was specifically identified in $Pc^+H3K27me3^+H4K20me1^+$ genes but not in $Pc^+H3K27me3^+H4K20me1^-$ genes.

(B-C') Immunostaining of the WT wing disc (B) or the wing disc expressing *uas-dsRNA Br* driven by *Hh-Gal4* (C-C') using the anti-Sens antibody (red) and anti-Ci antibody (green). The Ci-negative region defines the posterior (P) compartment, with dashed lines marking the A/P boundary. The level of Sens decreased dramatically in the P compartment where *Br* was knocked down specifically.