



**Figure S2. Divergent transcription at TAD borders.**

(A-C) Average number of strand specific genes encoded around (A) conserved, (B) BG3-specific and (C) Kc167-specific TAD borders in *Drosophila*. Solid lines represent the positive strand and dashed lines the negative strand. (D-F) same as (A-C), for ncRNAs. (G-I) Average GRO-seq signal in embryonic cells (S2) around (G) conserved, (H) BG3-specific and (I) Kc167-specific TAD borders. (J-L) Average 3'NT-seq signal in neuronal cells (BG3) around (J) conserved, (K) BG3-specific and (L) Kc167-specific TAD borders.