Additional file 3 : Epigenetic landscapes and chromatin dynamics of the *Drosophila* chromosomes. "Virtual 3C" were obtained and analysed from each chromosome as described in Figure 4. Statistical analyses of best-fit parameters were performed separately according to the epigenetic domains (Note that chromosome 4 is exclusively composed of D4 Domains, while chromosome 3 is devoid of such domains). Box-plots show the results obtained for each type of domains on each chromosome. Chromosome X was excluded from the analyses because dosage compensation affects epigenetic landscapes of this chromosome in males and the embryos used in the Hi-C experiments were not sexed. The number of best-fits (*n*) performed in each domain is as follows: for chromosome 2R, D1: *n*=1391; D2: *n*=1943; D3:

n=350; D4: n=290, for chromosome 3L, D1: n=1096; D2: n=2650; D3: n=609; D4: n=272, for chromosome 3R, D1: n=1525; D2: n=3197; D3: n=755, for chromosome 4, D4: n=225.