

Figure S1. Specific regions in the Y chromosome of *D. melanogaster* are stained by anti-triplex antibodies. Antibody labelling in neuroblast chromosomes (**a**, **anti-triplex**). DAPI staining (**b**, **DAPI**) and the corresponding merged signals (**c**, **Merged**). Scale bar corresponds to 5 μm .

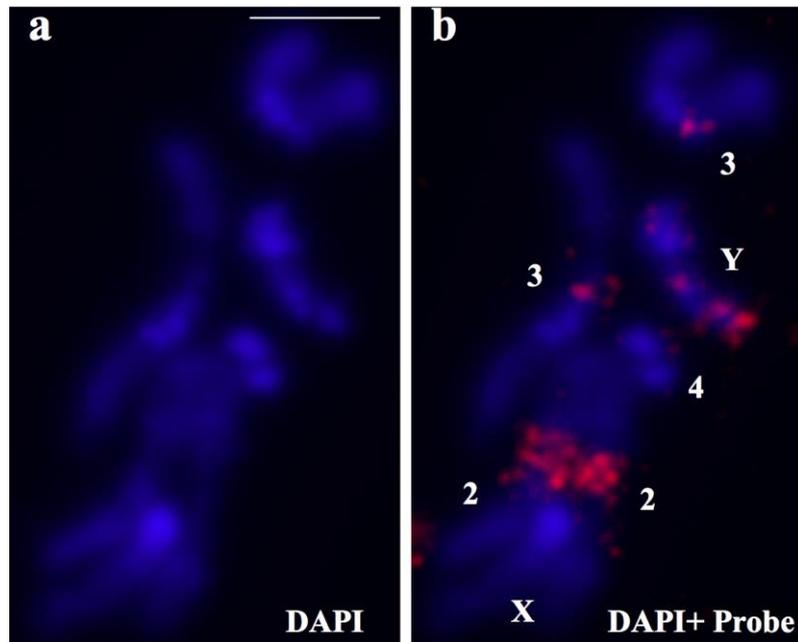


Figure S2. Localisation of AAGAG repeats in mitotic chromosomes of *D. melanogaster*. *In situ* hybridisation was performed with neuroblast chromosomes. Chromosomal DNA stained with DAPI (**a**, **DAPI**), satellite probe labelling (red signal) and DAPI staining superimposed (**b**, **DAPI+ probe**). Chromosomes appear identified (2, 3, 4, X, Y). Scale bar corresponds to 5 μm .

shown. AAGAG probe labeling (**a, Satellite**), chromosomal DNA staining (**b, DAPI**) and the corresponding merged signals (**c, Merged**).

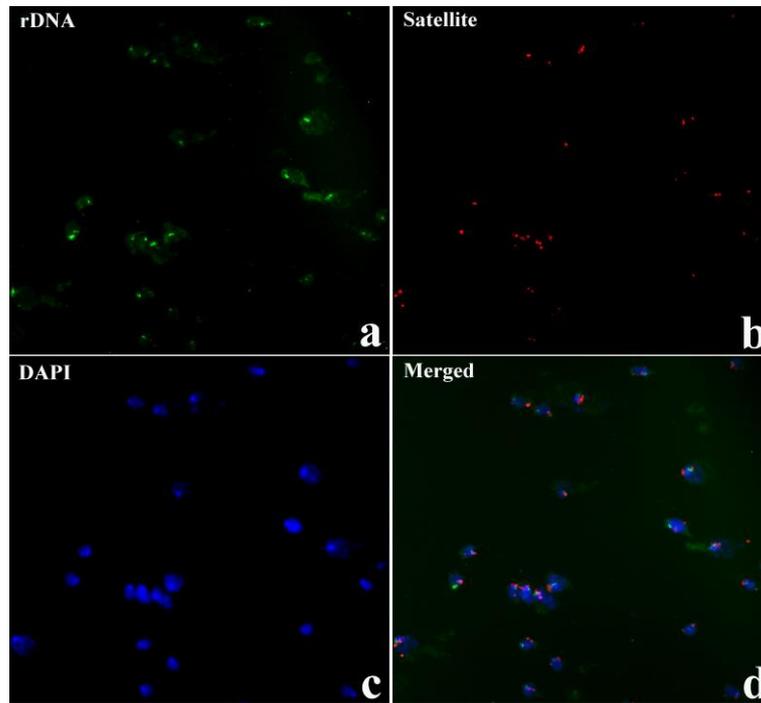


Figure S6. Ribosomal DNA and AAGAG probe hybridisation to *Drosophila* neuroblast nuclei carrying the *bw^D* allele prepared in pH 7.0 after denaturing chromosomal DNA. Ribosomal DNA probe labelling (**a, rDNA**), AAGAG probe labelling (**b, Satellite**), nuclei stained with DAPI (**c, DAPI**) and the corresponding merged signals (**d, Merged**).