



Figure S1 Chromosomes carrying *zuc*^{HM} and *squ*^{PP} suppress distortion by SD-LA in both *aub*^{HR-wt} and *aub*^{HR-HN} backgrounds. Females of the genotype SD-LA *aub*^{HR-wt} and *aub*^{HR-HN} were crossed with males carrying either a mutation in either *zuc*, *cuff* or *squ*. The 15-30 individual male F1 were then backcrossed to *cn bw* females to test for distortion. The *squ*^{PP} and *zuc*^{HM} chromosomes significantly suppressed distortion when paired with either the *aub*^{HR-HN} or *aub*^{HR-wt} chromosome. The *cuff*^{MM} chromosome gave a small but significant enhancement of distortion ($p < 0.05$) with the wild type allele and there was no significant change with the *aub*^{HR-HN} mutant (** $p < 0.0005$, * $p < 0.05$, 2-tailed Z-test).