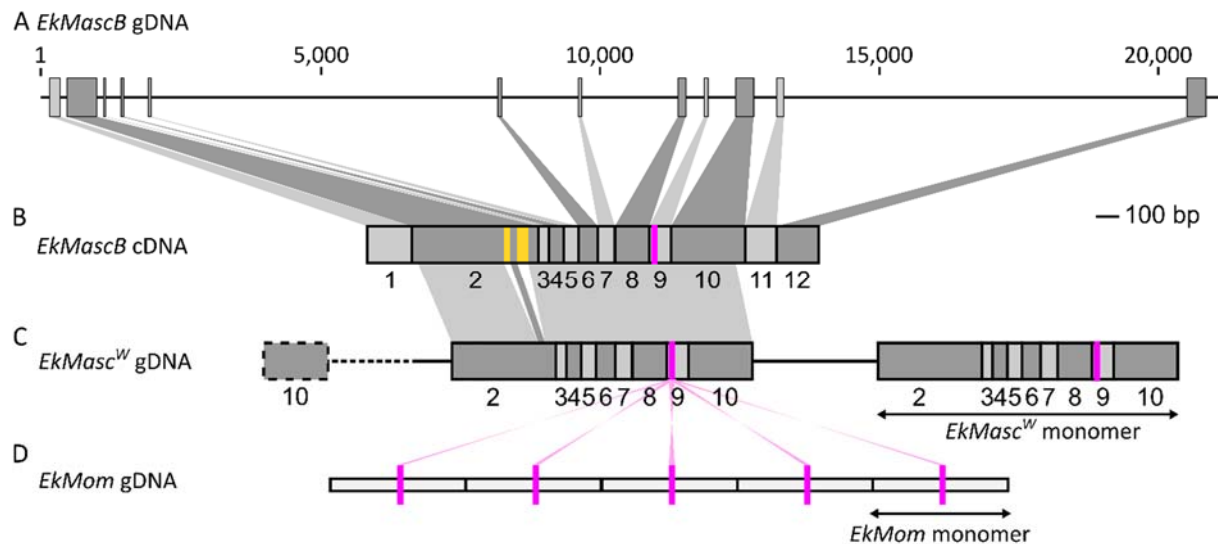




Additional File 4: Figure S3. Comparison of sequence homology between *EkMascB*, *EkMasc^W* and *EkMom* in the genome of *Ephestia kuehniella*. **A** Schematic representation of the *EkMascB* gene. Indicated in boxes are the exons of *EkMascB*. **B** Schematic representation of the *EkMascB* transcript with the introns spliced out. Indicated in pink is the target binding site for *EkMom* piRNA. **C** Schematic representation of a section of the gDNA *EkMasc^W* cluster on the W chromosome. *EkMascB* and *EkMasc^W* share homology from most of exon 2 to most of exon 10, but *EkMasc^W* lacks intron sequences. Indicated in **B** are two regions of exon 2 (yellow), which are present in *EkMascB* but absent in *EkMasc^W*. The monomers of *EkMasc^W* are separated by 550 bp, which lack homology to *EkMasc* and *EkMascB*. **D** Schematic representation of a section of the gDNA *EkMom* repeat on the W chromosome. The *EkMom* monomers are organised in a tandem repeat. The monomers lack homology to the *EkMasc*, *EkMascB* and *EkMasc^W* genes, with the exception of the *EkMom* piRNA, which is complementary to the genes.