

S1 Table. Estimation of *Tribolium castaneum* centromere sizes

Chromosome	Chromosome size [Mbp] ¹	Number of measured chromosomes	Centromere proportion [%] ^{2*}	Estimated centromere size [Mbp]*
all	204	240	43.47 (±8.68)	88.68 (±17.71)
ch2	22.42	15	42.89 (±6.97)	9.62 (±1.56)
ch3	37.41	31	42.34 (±7.92)	15.84 (±2.96)
ch4	22.52	22	46.48 (±5.99)	10.47 (±1.35)
y_p	5.71	8	40.60 (±8.09)	2.31 (±0.46)

¹ The chromosome sizes were calculated from the relative length of the individual chromosomes [30] and haploid genome size of 204 Mb [23].

² Centromere proportions were estimated from the ratio of the cCENH3 signal length demarcated by the outermost cCENH3-containing regions to the chromosome length. The quantifications are presented in the S3 Appendix.

* Standard deviations are indicated in brackets.