

Table S4. Chromosome sizes in the *T. freemani* Tfree1.0 assembly (fLGs) compared to the chromosome sizes in the *T. castaneum* Tcas5.2 assembly (LGs). Chromosome sizes are calculated without ambiguous bases (N) and expressed in Mb.

<i>T. freemani</i> Tfree1.0 chromosomes	fLG size (Mb)	<i>T. castaneum</i> Tcas5.2 chromosomes	LG size (Mb)	fLG vs. LG size difference (Mb)
fLG2	32.31	LG2	14.56	17.75
fLG3	42.26	LG3	29.60	12.66
fLG4	16.96	LG4	11.63	5.33
fLG5	24.98	LG5	14.34	10.64
fLG6	23.21	LG6	7.98	15.23
fLG7	38.63	LG7	15.19	23.44
fLG8	23.81	LG8	13.62	10.19
fLG9	32.41	LG9	15.01	17.41
fLG10	15.39	LG10	6.78	8.61
fLGX	12.03	LGX	7.43	4.60
Total	262.00	Total	136.14	125.86