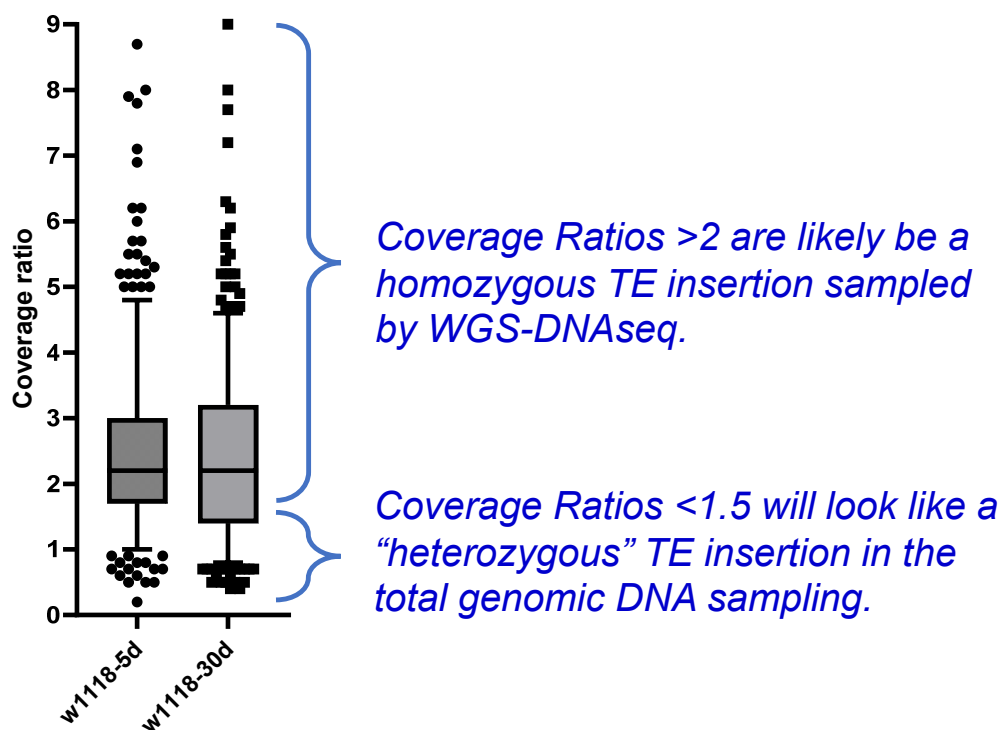


A

Coverage Ratio TEs from TIDAL w1118 gDNA-seq

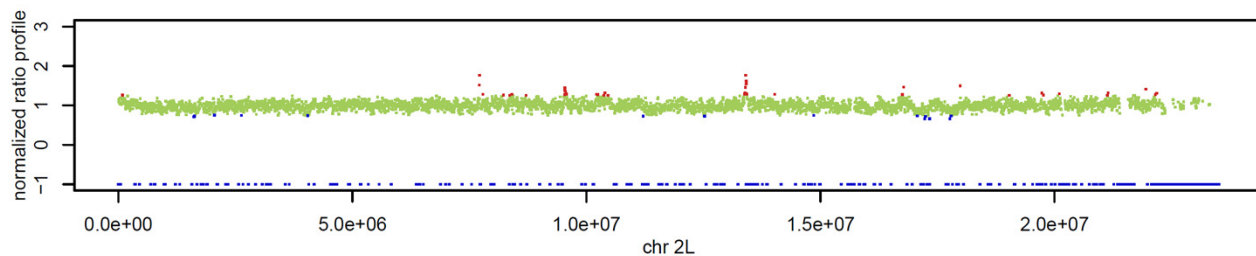


B

TIDAL-FLY v1.0 – CNV Ratio Genome Chart

w1118-5d

please cite: Rahman et al.



TIDAL-FLY v1.0 – CNV Ratio Genome Chart

w1118-30d_cat

please cite: Rahman et al.

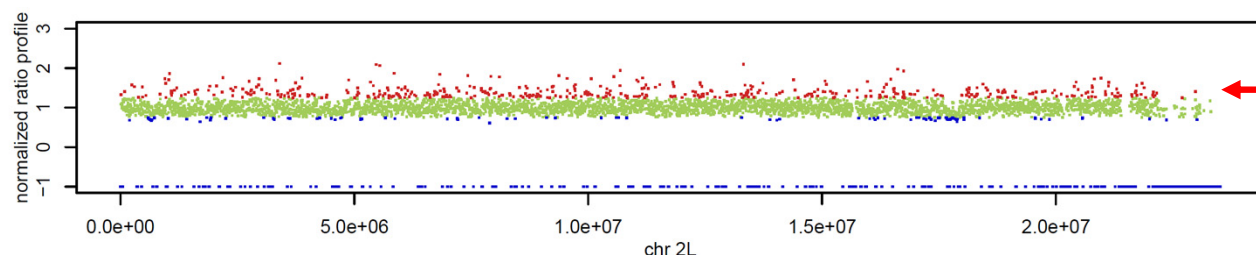


Figure S4. WGS-DNAseq analyzed by TIDAL finds TE insertions that can exhibit signatures indicative of a “heterozygous” state, and somatic DNA copy number variation can shift and be more sporadic as flies age.

(A) Box plot of the Coverage Ratio scores for all the TE insertions called by TIDAL from WGS-DNAseq libraries of w1118 flies from two adult ages, from Yang et al 2022. (B) Snapshots of the Chromosome 2L from the w1118 flies from the Yang et al 2022 study, Copy Number Variation computed by the CONTROL-FREEC program shows that as flies age, the somatic genome copy number can start to fluctuate, and these fluctuations may also contribute to the varying Coverage Ratios in measuring TE insertions from WGS-DNAseq.