

SUPPLEMENTARY MATERIAL

Mutant huntingtin disturbs circadian clock gene expression and sleep patterns in *Drosophila*

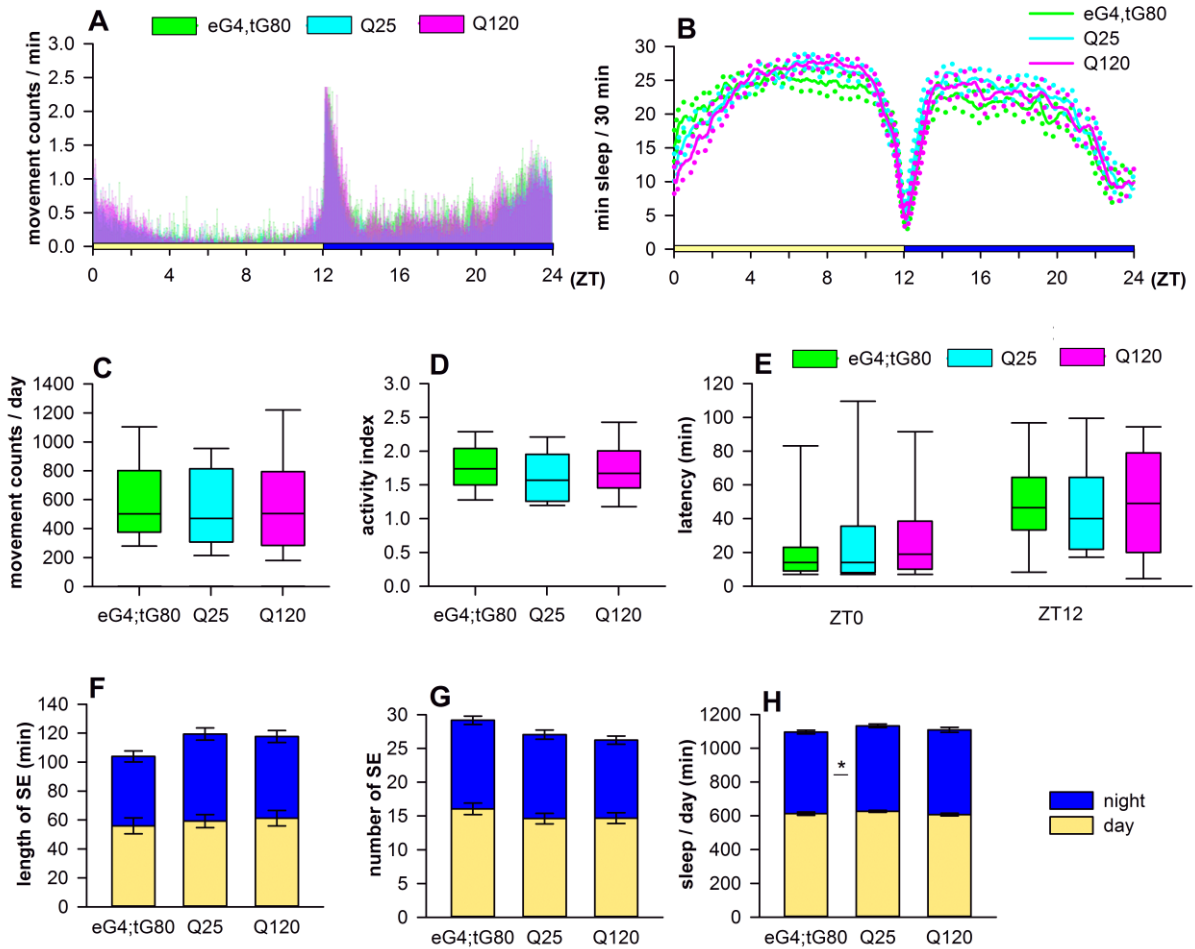
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Supplementary Figure S1. Circadian activity and sleep patterns of parental strains.

(A) Daily locomotor activity and (B) sleep patterns (solid lines represent the averages, dotted lines show 95% confidence intervals) of 8 days old flies from the *elavGAL4; tubGAL80^{ts}* (eG4;tG80), *UAS-Httex1Q25* (Q25) and *UAS-Httex1Q120* (Q120) parental strains were measured in 12:12 light:dark entrainment. We found no significant differences between these strains in (C) daily movement counts, (D) activity index, (E) sleep latency, (F) length of sleep episodes and (G) number of sleep episodes. (H) The amount of time spent asleep at night was mildly but significantly lower in the eG4;tG80 line than in Q25, however, there was no significant difference between the Q25 and Q120 strains. Data are plotted as mean \pm SEM (eG4;tG80 n = 87; Q25 n = 91, Q120 n = 98). * P < 0.05, one-way ANOVA with Tukey HSD test).