

Figure 4-figure supplement 2

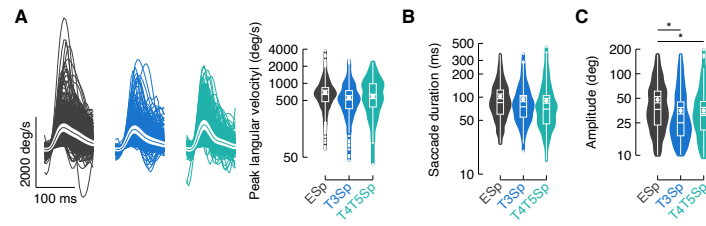


Figure 4-figure supplement 2. Saccade dynamics during bar tracking. **(A)** Left: average time-series of the angular velocity in the three genotypes. Thin lines represent single saccades. Thick line represents the mean and the white shade around the mean represents s.e.m. Right: violin-box plots of the peak angular velocity during saccades (y-axis is on a log scale). A generalized linear mixed model was used to fit the data (residuals were fitted with a gamma distribution and a log link function) and pairwise post-hoc comparisons using *t*-tests adjusted with Bonferroni method were used to compare the levels of the fixed effects (EmptySp vs T3Sp, $p = .23$, Cohen's $d = .43$; EmptySp vs T4/T5Sp, $p = .56$, Cohen's $d = .32$; T3Sp vs T4/T5Sp, $p = 1$, Cohen's $d = -.11$). Graph features are as in **Figure 4C**. **(B)** Violin-box plots of saccade duration (EmptySp vs T3Sp, $p = 1$, Cohen's $d = .17$; EmptySp vs T4/T5Sp, $p = .58$, Cohen's $d = .26$; T3Sp vs T4/T5Sp $p = 1$, Cohen's $d = .09$). Graph features and statistical approach are as in **(A)**. **(C)** Violin-box plots of saccade amplitude (EmptySp vs T3Sp, $p = .04$, Cohen's $d = .52$; EmptySp vs T4/T5Sp, $p = .04$, Cohen's $d = .51$; T3Sp vs T4/T5Sp, $p = 1$, Cohen's $d = -.004$). Graph features and statistical approach are as in **(A)**.