Figure 6-figure supplement 3

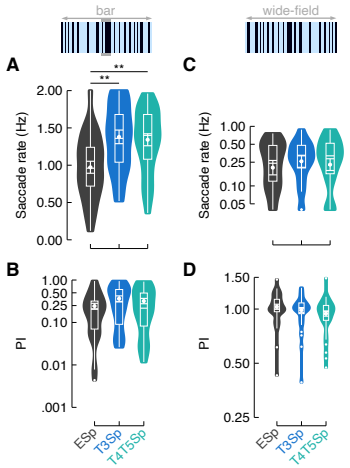

Figure 6-figure supplement 3. Saccade rate and performance index in bar tracking and wide-field stabilization in flies expressing CsChrimson. (**A**) Violin-box plots of the frequency of bar tracking saccades per trial in the three genotypes (black: n = 19 EmptySp>CsChrimson; blue: n = 18 T3Sp>CsChrimson; green: n = 19 T4T5Sp>CsChrimson). Big white dot represents the mean, thin horizontal bars indicate s.e.m. and thick horizontal bar indicates the median. Small white dots on the violin tails represent outliers. A linear mixed model was used to fit the data and pairwise post-hoc comparisons using *t*-tests adjusted with Bonferroni method were used to compare the predictions (EmptySp vs T3Sp, p = .005, Cohen's *d* = -1.07; EmptySp vs T4/T5Sp, p = .007, Cohen's *d* = -.97; T3Sp vs T4/T5Sp, p = 1, Cohen's *d* = .10). (**B**) Violin-box plots of the PI (y-axis is on a log scale) in trials with positive values (greater than 0). PI mean for CW and CCW revolving bars was computed and a generalized linear model (with gamma distribution and log link function) was fitted to the data (EmptySp vs T3Sp, p = .18, Cohen's *d* = -.56; EmptySp vs T4/T5Sp, p = .60, Cohen's *d* = -.38; T3Sp vs T4/T5Sp p = 1, Cohen's *d* = .19). Graph features are as in (**A**). (**C**) Violin-box plots of the frequency of optomotor saccades per trial in the three genotypes (y-axis is on a log scale). A generalized linear mixed model (with gamma distribution and log link function) was used to fit the data (EmptySp vs T3Sp, p = 1, Cohen's *d* = -.46; EmptySp vs T4/T5Sp, p = 1, Cohen's *d* = -.22; T3Sp vs T4/T5Sp, p = 1, Cohen's *d* = .24). Graph features are as in (**A**). (**D**) Violin-box plots of the PI in trials with positive values (y-axis is on a log scale). PI mean for CW and CCW rotating wide-field pattern was computed and a generalized linear model (with gaussian distribution and log link function) was used to fit the data (EmptySp vs T3Sp, p = 1, Cohen's *d* = .32; EmptySp vs T4/T5Sp, p = .18, Cohen's *d* = .64; T3Sp vs T4/T5Sp p = 1, Cohen's *d* = .32). Graph features are as in (**A**).