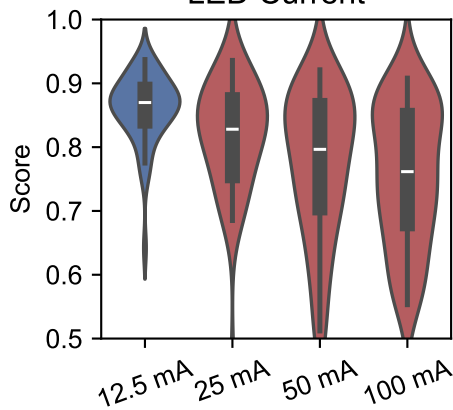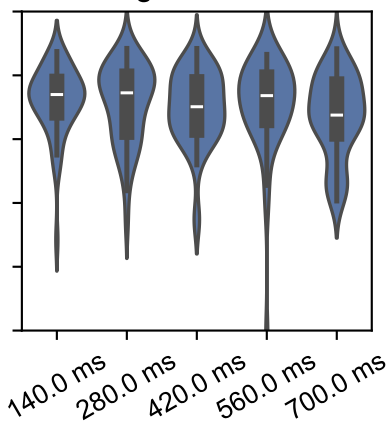Statistical Analysis of Best Conditions