



Figure S1. (A) Overall computational workflow of *Eris* scans for stabilizing mutants of μ -OR. For destabilizing mutations, *Eris* looks for positive $\Delta\Delta G$ values. (B) An example of converged distribution of $\Delta\Delta G$ values between multiple *Eris* runs. The converged average $\Delta\Delta G$ and standard deviations were reported for each mutation.