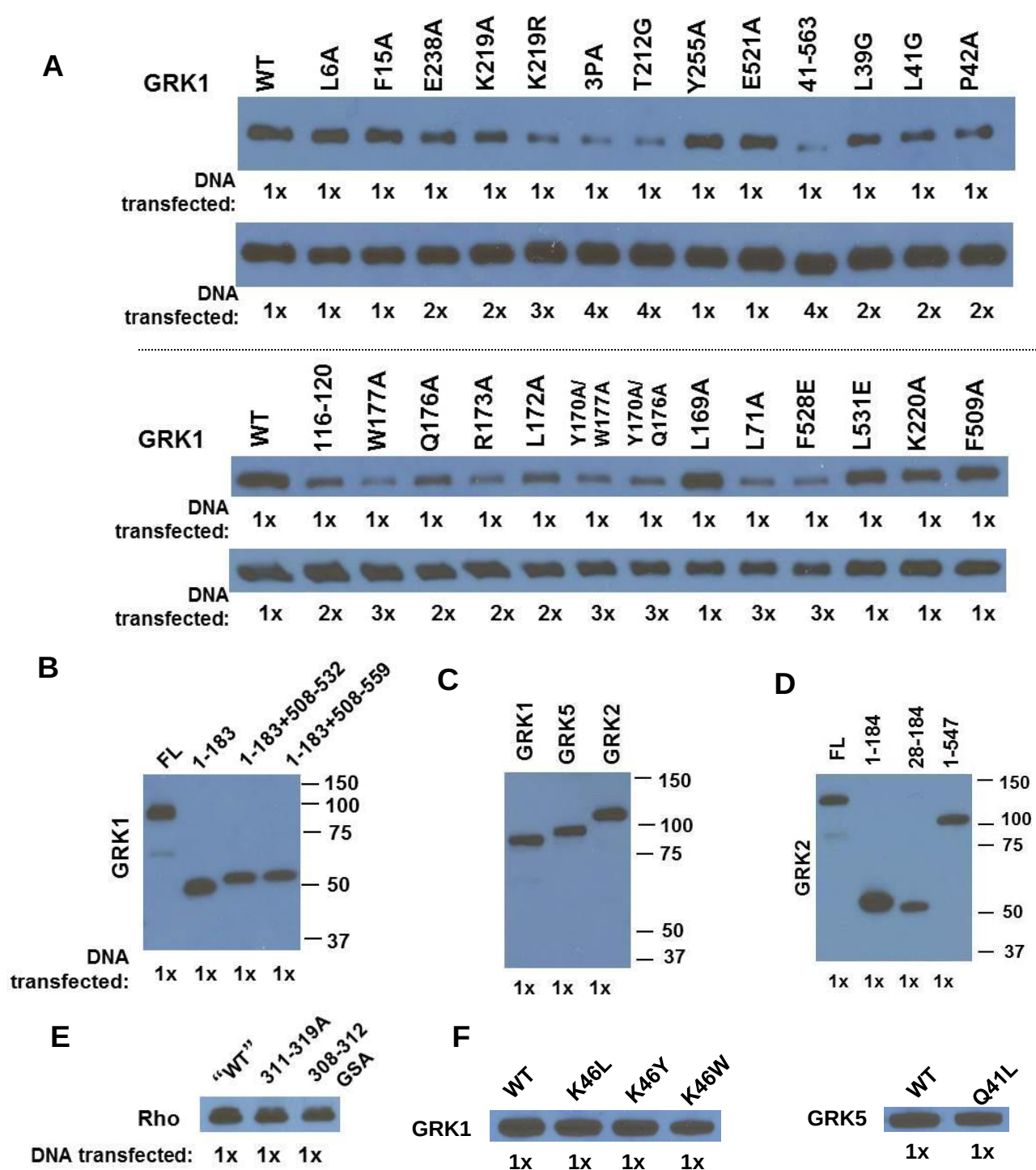




Supplementary information, Figure S3. Protein expression levels of key fragments/mutants of GRK or rhodopsin. **(A)** Protein expression levels of GRK1 key mutant proteins. The protein expression levels of GRK1-TEV fusion proteins were detected by anti-FLAG antibody. **(B)** Protein expression levels of RH domain constructs of GRK1. **(C)** Protein expression levels of GRK1, GRK5 and GRK2. **(D)** Protein expression levels of GRK2 deletion constructs. **(E)** Protein expression levels of rhodopsin TM7 and helix 8 key mutant proteins. 311-319A: K311A/Q312A/N315A/T319A; 308-312 GSA: M308G/M309S/N310A/K311G/Q312A. The protein expression levels of rhodopsin-tTA fusion proteins were detected by western blot probed with anti-TetR monoclonal antibody. **(F)** Protein expression of GRK1 K46 and GRK5 Q41 mutants, detected by anti-FLAG antibody.