

S2 Table. Oligonucleotides used in this study. Underlined nucleotides indicate the position of the site-directed mutagenesis.

Oligo	Sequence
Plu4562-6HisNcoIs	5'-GAGGAACCATGGCGCACCACCATCATCACCAT AGGAAAATCTTATGAACACATC-3'
4562_Sall_rev	5'-TAGCCGTCGACTTATATGATTAGATTATATGC-3'
PluR_T62W_fwd	5'-TAAATATAGAAT <u>GGG</u> CAAGTAAT-3'
PluR_T62W_rev	5'-ATTACTTGCCATTCTATATTTA-3'
PluR_Y66A_fwd	5'-GCAAGTAAT <u>GCT</u> AATCAAG-3'
PluR_Y66A_rev	5'-CTTGATTAGCATTACTTGC-3'
PluR_D75A_fwd	5'-CATGACAGCGCACAATTAATG-3'
PluR_D75A_rev	5'-CATTAATTG <u>TGCG</u> CTGTCATG-3'
PluR_D75E_fwd	5'-CATGACAGCGAGCAATTAATG-3'
PluR_D75E_rev	5'-CATTAATTG <u>CTCG</u> CTGTCATG-3'
PluR_D75N_fwd	5'-CATGACAGCAACCAATTAATG-3'
PluR_D75N_rev	5'-CATTAATTG <u>GTTG</u> CTGTCATG-3'
PluR_Q76P_fwd	5'-GACAGCGACCCATTAATGAATG-3'
PluR_Q76P_rev	5'-CATTCAATTAATGGGTCGCTGTC-3'
PluR_C90W_fwd	5'-CCGTCAGTTT <u>GGA</u> ATGATAAA-3'
PluR_C90W_rev	5'-TTTATCATTCCAAACTGACGG-3'
PluR_S115A_fwd	5'-GTCAAAAATGCTCTTTCAA-3'
PluR_S115A_rev	5'-TTGAAAGAGCATTTTTGAC-3'
PluR_S115G_fwd	5'-GTCAAAAATGGTCTTTCAA-3'
PluR_S115G_rev	5'-TTGAAAGACCATTTTTGAC-3'
PAU4062-His-NheI_fwd	5'GAGGAAGCTAGCCGCACCACCATCATCACCATC CCGGGATCTTATGAATACTTTATT-3'
4062_Sall_rev	5'-TAGCCGTCGACTTATATGATTAGATTATATGC-3'
PauR_S38A_fwd	5'-GAATTTTACGCAATTTATCAGG-3'
PauR_S38A_rev	5'-CCTGATAAATTGCGTAAAATTC-3'
PauR_Y40A_fwd	5'-TACTCAATTGCTCAGGAAG-3'
PauR_Y40A_rev	5'-CTTCCTGAGCAATTGAGTAA-3'
PauR_Y40F_fwd	5'-TACTCAATTTTCCAGGAAG-3'
PauR_Y40F_rev	5'-CTTCCTGGAAAATTGAGTAA-3'
PauR_D75E_fwd	5'-CATGACAGTGAACAATAATG-3'
PauR_D75E_rev	5'-CATTAGTTGTTCACTGTCATG-3'
PauR_D75N_fwd	5'-CATGACAGTAATCAACTAATG-3'
PauR_D75N_rev	5'-CATTAGTTGATTACTGTCATG-3'
PauR_Q76A_fwd	5'-CATGACAGTGATGCACTAATG-3'
PauR_Q76A_rev	5'-CATTAGTGCATCACTGTCATG-3'
PauR_Y90A_fwd	5'-CTTCAATTGCTGATGAAAAAAC-3'
PauR_Y90A_rev	5'-GTTTTTTTCATCAGCAATTGAAG-3'
PauR_I113A_fwd	5'-GATTA AAAACGCTATTTCC-3'
PauR_I113A_rev	5'-GGAAATAGCGTTTTTAATC-3'