

S1 Table. Mutagenic primer sequences for PCR.

Mutation	Clone	Mutagenic primer sequence (5'-3')
ΔCC	Stom(Δ204-241)GFP	F: GTGAAACTACCTGTGCAGCTCACTGAATCTCCTGCAGC R: GCTGCAGGAGATTCAGTGAGCTGCACAGGTAGTTTCAC
C30S	Stom(C30S)GFP	F: CCTTGGACCTAGCGGATGGATTTTGGTG R: CACCAAAATCCATCCGCTAGGTCCAAGG
P47A	Stom(P47A)GFP	F: CCGTTATAACTTTTCGAATCTCAATATGG R: CCATATTGAGATTGCGAAAGTTATAACGG
P47S	Stom(P47S)GFP	F: CCGTTATAACTTTCTCAATCTCAATATGG R: CCATATTGAGATTGAGAAAGTTATAACGG
I57A	Stom(I57A)GFP	F: GTGCATAAAGATTGCAAAAGAGTATG R: CATACTCTTTTGCAATCTTTATGCAC
Y60A	Stom(Y60A)GFP	F: GATTATAAAAGAGGCTGAAAGAGCC R: GGCTCTTTCAGCCTCTTTTATAATC
Y60A+R62A	Stom(Y60A+R62A)GFP	F: GATTATAAAAGAGGCTGAAGCAGCCATCATC R: GATGATGGCTGCTTCAGCCTCTTTTATAATC
R62A	Stom(R62A)GFP	F: GAGTATGAAGCAGCCATCATCTTTAG R: CTAAAGATGATGGCTGCTTCATACTC
C87S	Stom(C87S)GFP	F: ATTCTGCCAAGCACTGACAGCTTCATC R: GATGAAGCTGTCAGTGCTTGGCAGAAT
D89A	Stom(D89A)GFP	F: CTGCCATGCACTGCAAGCTTCATCAAAG R: CTTTGATGAAGCTTGCAGTGCATGGCAG
F91A	Stom(F91A)GFP	F: CACTGACAGCGCCATCAAAGTGG R: CCACTTTGATGGCGCTGTCAGTG
R97A	Stom(R97A)GFP	F: GTGGACATGGCAACTATTTCAATTG R: CAAATGAAATAGTTGCCATGTCCAC
K198A	Stom(K198A)GFP	F: GGAAATTAAGGATGTGGCACTACCTGTGC R: GCACAGGTAGTGCCACATCCTTAATTTC
P200A	Stom(P200A)GFP	F: GATGTGAACTAGCTGTGCAGCTCC R: GGAGCTGCACAGCTAGTTTCACATC
P245A	Stom(P245A)GFP	F: CACTGAATCTGCTGCAGCCCTTC R: GAAGGGCTGCAGCAGATTCAGTG

F269A	Stom(F269A)GFP	F: CTCAACAATTGTCGCCCCTCTGCCCATAGA R: TCTATGGGCAGAGGGGCGACAATTGTTGAG
P270A	Stom(P270A)GFP	F: TGTCTTCGCTCTGCCCATAGATATGC R: GCATATCTATGGGCAGAGCGAAGACA