Table S2. Primers used in this study

Name	Sequence (nucleotides to be mutated are lowercased)	Function
Mly1-5'	TGCATGCCTGCAGGTCGAtTCTAGAGGATCC	FWD and REV primers for
Mly1-3'	TCGACCTGCAGGCATGCAAGCTTGGCGTAA	removing *Mly* I site (234)
Mly2-5'	TTATCTACACGACGGGGAGcCAGGCAACTAT	FWD and REV primers for
Mly2-3'	TCCCCGTCGTGTAGATAACTACGATACGGG	removing *Mly* I site (2334)
Mly3-5'	GTGTCTTACCGGGTTGGAtTCAAGACGATAG	FWD and REV primers for
Mly3-3'	TCCAACCCGGTAAGACACGACTTATCGCCA	removing *Mly* I site (2836)
Mly4-5'	AACGACCGAGCGCAGCGAtTCAGTGAGCGAG	FWD and REV primers for
Mly4-3'	TCGCTGCGCTCGGTCGTTCGGCTGCGGCGA	removing *Mly* I site (3322)
F64L-5'	GGCCAACACTTGTCACTACTcttTCTTATGGTGTT	FWD and REV primers for
F64L-3'	AGTAGTGACAAGTGTTGGCCATGGAACAGGTA	introducing F64L mutation
F64L-5'-2	ATGGACACTTGTCACTACTcttTCTTATGGTGTT	FWD and REV primers for
F64L-3'-2	AGTAGTGACAAGTGTCCATGGAACAGGTAGT	introducing F64L into P58Δ
S30R-5'	ATGGGCACAAATTTTCTGTCcgcGGAGAGGGTGAA	FWD and REV primers for
S30R-3'	GACAGAAAATTTGTGCCCATTAACATCACCAT	introducing S30R mutation
C48Δ-5'	AAACTTACCCTTAAATTTATCACTACTGGAAA	FWD and REV primers for
C48Δ-3'	ATAAATTTAAGGGTAAGTTTTCCGTATGTTGC	introducing C48Δ mutation
P75/D76→H-5'	TCAATGCTTTTCCCGTTATCATCATATGAAAC	FWD and REV primers for
P75/D76→H-3'	GATAACGGGAAAAGCATTGAACACCATAAGAG	P75/D76→H mutation
P75Δ-5'	TTCAATGCTTTTCCCGTTATGATCATATGAAA	FWD and REV primers for
P75Δ-3'	ATAACGGGAAAAGCATTGAACACCATAAGAGA	introducing P75Δ mutation
E172Δ-5'	TTCAAAATTCGCCACAACATAGATGGATCCGT	FWD and REV primers for
E172Δ-3'	ATGTTGTGGCGAATTTTGAAGTTAGCTTTGAT	introducing E172Δ mutation
S175/V176→F-5'	CCACAACATTGAAGATGGATTTCAACTAGCAG	FWD and REV primers for
S175/V176→F-3'	ATCCATCTTCAATGTTGTGGCGAATTTTGAAG	S175/V176→F mutation
S175/V176→F-5'-2	TCGCCACAACATAGATGGATTTCAACTAGCAG	FWD and REV primers for
S175/V176→F-3'-2	ATCCATCTATGTTGTGGCGAATTTTGAAGTTA	introducing S175/V176→F mutation into E172Δ mutant