

Site	Mutant	Forward Primer
18	L18F	GGTGAGCAGCCAGTGCGTGAATTTACCACCAGAACCCAGCTGCCTC
69-70	69-70del	CGTGACCTGGTTCCACGCCATCAGCGGCACCAATGGCACCAAGAGATTC
145	145del	GACCCTTTCTGGGTGTTTATCATAAGAACAACAAGAGCTGGATGG
222	A222V	ACCTGCCTCAGGGCTTCAGCGTGCTGGAGCCTCTGGTGGACCTG
439	N439K	CTGCGTGATCGCGTGGAACCTAAGAACCTGGACTCGAAAGTTGGAGGC
477	S477N	GCACCGAGATCTACCAGGCCGGCAACACACCGTGTAATGGCGTGGAGGGC
501	N501Y	AGAGCTACGGCTTCCAGCCTACCTACGGCGTGGGCTACCAGCCTTACAG
570	A570D	CAACAATTCGGCAGAGACATCGACGACACCACAGATGCTGTAAGAGAC
614	D614G	GTGGCCGTGCTGTACCAGGGCGTGAATTGCACCGAGGT
681	P681H	CTACCAGACCCAGACCAATAGCCACAGAAGAGCCAGAAGCGTGGCCAGCC
716	T716I	CAATAATAGCATCGCCATCCCTATCAATTTACCATCAGCGTGACCAC
982	S982A	TACTCAACGACATCCTGGCGAGACTGGACAAGGTGGAGGCCGA
1118	D1118H	ACGAGCCTCAGATCATCACCACCCACAATACCTTCGTGAGCGGCAA