

Additional file 2 DNA sequences of primers used for site-directed mutagenesis

Variant	Primer 1	Primer 2
p.Q17L	GCAACAGTTCAATGAATCTAAATGGA ATGAGCACTCTAAG	GCTTAGAGTGCTCATTCCATTTAGATTCAT TGAAGTGTTC
p.Q390Vfs*7	TGCGACCCTCAGAGACCAAACCATCT CCC	TAGAAAGCTGTATTTCTAACTTGCACCAC CTGCATTTGC
p.M406T	ACGTCTTCAAGCAATGACGACCCACT TGCACATG	GCATGTGCAAGTGGGTCGTCATTGCTTGA AGACGT
p.P416T	TGCGACCCTCAGAGACCAAACCATCT CCC	GGGAGATGGTTTGGTCTCTGAGGGTCGC A
p.R553H	CTTGAAGAATGCAGTACATCATAAT CTTAGCCTGCAC	GTGCAGGCTAAGATTATGATGTAAGTGCAT TCTTCCAAG
p.N597H	ATAACAGGAAGTCCAACCTTAGTAAA ACATATACCAGTTTTAG	CTAAACTGGTAGGTATATGTTTTACTAAG GTTGGACTTCCTGTTAT
p.N303T	CTCGACTACCTCCTCCACCACTTCCA AAGCATCAC	GTGATGCTTTGGAAGTGGTGGAGGAGGT AGTCGAG
p.S325N	GTGAATGGACAGTCTTCAGTTCTAAA TGCAAGACGAGAC	GTCTCGTCTTGCATTTAGAAGTGAAGACT GTCCATTCAC