

Table S3. Sequence of the primers used to prepare single mutants through site-directed mutagenesis.

Mutant	Primers¹
Q β _{A2187C}	5'-TCGATAAAATGCTTATTGCTCTCTTCGCGATATTGCGGCC-3' 5'-GGCCGCAATATCGCGAAGAGAGCAATAAGCATTTATCGA-3'
Q β _{A1088G}	5'-GTCAGCTATATCATAATATCGGTATTGTAGACGGCTTTGACAG-3' 5'-CTGTCAAAGCCGTCTACAATACCGATATTATGATATAGCTGAC-3'
Q β _{A1930G}	5'-TAATGCTGTTGAACTCCGGCCTCGCGAATTTGATG-3' 5'-CATCAAATTCGCGAGGCCGGAGTTCAACAGCATT-3'
Q β _{C2228U}	5'- GATGGCGTGATAGTTGG T TTTTGGCGCGATCCATC-3' 5'- GATGGATCGCGCCAAAA A CCAATATCACGCCATC-3'
Q β _{U3311G}	5'-GTTGTTACCTACGAGAAGAT G TCTTCTATGGGTAACGG-3' 5'-CCGTTACCCATAGAAGACATCTTCTCGTAGGTAACAAC-3'

¹The position mutated (with respect to the virus Q β _{WT}) is indicated in bold.