

Supplementary Table 2: Primers used in this study. Underline sequence indicates restriction site and bold sequence indicate the substituted codon.

Sequence (5'-3')	Location
GACAGAATTCC <u>CATATGAATCTATCGAACATTTCTGCGG</u>	BprV and BprB 5' region
CTGTAAGCTT <u>CTCGAGACGATTTTGATCGCCTAAAACAGC</u>	BprV and BprB 3' region
GAGTTTGGGCGGCG AC GGTGGTTGTTAC	BprB.D180G mutagenesis (sense)
GCGTTGTGAAC TTTGTGAACAACCACCGTCG	BprB.D180G mutagenesis (anti-sense)
GTTATTAATATGAGTTTGGGCGGCGGCGGT GATTG	BprB.D182G mutagenesis (sense)
GAACTTTGTGAACA ATC ACCGCCGCGCCC	BprB.D182G mutagenesis (sense)