**Supplementary Table 1**

**Primers used for site-directed mutagenesis.**

|  |  |  |
| --- | --- | --- |
| Location  | Primmer | Sequence |
| G227A | F | 5'GTACGTGGGCTCGCAGCATATGGTGGTGATGCACG3' |
|  | R | 5'CGTGCATCACCACCATATGCTGCGAGCCCACGTAC3' |
| G517A | F | 5' CCTTCCTCATCAGCTGCGCGCCC 3' |
|  | R | 5' GGGCGCGCAGCTGATGAGGAAGG 3' |
| C1009T | F | 5'GGTGATTGGGCCAAGCTGAATCCCTGCC3' |
|  | R | 5'GGCAGGGATTCAGCTTGGCCCAATCACC3' |
| C1263T | F | 5' GAAAATGGAAAGTTTAGTACAGTGAC 3' |
|  | R | 5' GTCACTGTACTAAACTTTCCATTTTC 3' |

All primers were 5’-phosphorylated.