**Table S1:** Primers used for site-directed mutagenesis. Mutated bases are represented in red.

|  |  |
| --- | --- |
| **Primer** | **Sequence** |
| D271N-f | 5’-gaaaccgaaattgcagttaatctggaacaccacgattt-3’ |
| D217N-r | 5’-Aaatcgtggtgttccagattaactgcaatttcggtttc-3’ |
| Y393A-f | 5’-cagaaatggttagcgctgcacagcaggatacc-3’ |
| Y393A-r | 5’-Ggtatcctgctgtgcagcgctaaccatttctg-3’ |
| C496S-f | 5’-cagttatgcatattagctctgttctgagcattgcaacc-3’ |
| C496S-r | 5’-Ggttgcaatgctcagaacagagctaatatgcataactg-3’ |
| C515S-f | 5’-tgaagttctgaaatgttctagtccggttagcgttgc-3’ |
| C515S-r | 5’-Gcaacgctaaccggactagaacatttcagaacttca-3’ |