**Table 5: Primers used for site-directed mutagenesis.**

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| --- | --- | --- | --- |
| **Construct** | **PCR product** | **Forward primer** | **Reverse (complement) primer** |
| CaV1.1e-E87A/E90A | 348 bp | TTTGTAACAGCTGCT | GAAGTACGCCAGCTTCGCCAGGCCCAGGTTCAGGGAGTTGT |
| CaV1.1e-E87A/E90A | 862 bp | GGGCCTGGCGAAGCTGGCGTACTTCTTCCTCACCGTCTTCT | CGTGATCCAGCTCATGTA |
| CaV1.1e-E87A | 348 bp | TTTGTAACAGCTGCT | GAAGTACTCCAGCTTCGCCAGGCCCAGGTTCAGGGAGTTGT |
| CaV1.1e-E87A | 862 bp | GGGCCTGGCGAAGCTGGAGTACTTCTTCCTCACCGTCTTCT | CGTGATCCAGCTCATGTA |
| CaV1.1e-E90A | 348 bp | TTTGTAACAGCTGCT | GAAGTACGCCAGCTTCTCCAGGCCCAGGTTCAGGGAGTTGT |
| CaV1.1e-E90A | 862 bp | GGGCCTGGAGAAGCTGGCGTACTTCTTCCTCACCGTCTTCT | CGTGATCCAGCTCATGTA |
| *Mutated nucleotides are indicated in red.*  |