**Supplementary Table 2.** Primers used in this study to generate TRPV3 point mutations.

|  |  |  |
| --- | --- | --- |
| **Name** | **Primer-Forward 5’-3’** | **Primer-Reverse 5’-3’** |
| **H426A** | TGGCCACGCTGCTGCATATGAAGTGGAAGAAGT | TATGCAGCAGCGTGGCCAGCGGCTCCAGGGTCAG |
| **H471A** | CCATCCCGGCCCCCTTGGCCCTGACGCACAAGA | CCAAGGGGGCCGGGATGGCCTCCTCCTCCCGGG |
| **R487A** | GGCGATGTTTGTGCTCATCTGGGCCATGTGCAT | ATGAGCACAAACATCGCCCCTAGGAGCTGCAGCCAC |
| **E501A** | TGTGAAAGCGGGCATTGCCATCTTCCTGCTGA | CAATGCCCGCTTTCACAGAGATGCACATGGCC |
| **I505A** | CATTGCCGCCTTCCTGCTGAGACCCTCGGATCT | AGCAGGAAGGCGGCAATGCCCTCTTTCACAGAG |
| **L508A** | TTGCCATCTTCCTGGCGAGACCCTCGGATCTGCAGTC | TCGCCAGGAAGATGGCAATGCCCTCTTTCACAG |
| **L508F** | CTTCCTGTTTAGACCCTCGGATCTGCAGTCCA | AGGGTCTAAACAGGAAGATGGCAATGCCCTCT |
| **L508V** | ATCTTCCTGGTGAGACCCTCGGATCTGCAGTC | GGTCTCACCAGGAAGATGGCAATGCCCTCTTT |
| **R509A** | TCTTCCTGCTGGCACCCTCGGATCTGCAGTCCA | AGGGTGCCAGCAGGAAGATGGCAATGCCCTCTT |
| **D512A** | CTCGGCTCTGCAGTCCATCCTCTCGGATGCCTG | ATGGACTGCAGAGCCGAGGGTCTCAGCAGGAAGA |
| **F524A** | GGTTCCACGCTGTCTTTTTTATCCAAGCTGTGCT | AAAAGACAGCGTGGAACCAGGCATCCGAGAGGA |
| **Y567A** | TACTATACGGCGGGTTTCCAGTCCATGGGCATG | GAAACCCGCCGTATAGTAGAGCATGTTCGCCCA |
| **R693A** | ATCTGGGCCCTGCAGAGAGCCAGGACCATCTTG | TCTCTGCAGGGCCCAGATGCGTTCGCTCTCCTT |