|  |  |
| --- | --- |
| Primers | 5'-3' |
| TMC1-DF-F | tgagattaacaacaaggaattcgtgcgtctcaccgttt |
| TMC1-DF-R | tgagacgcacgaattccttgttgttaatctcatccatcaaggc |
| mTMC1-G411C-F | aatgtccctcctgTGTatgttctgtcccaccctgtttga |
| mTMC1-G411C-R | ACAcaggagggacattaccatgttcatttcatttttttcccacca |
| mTMC1-M412C-F | gtccctcctggggTGTttctgtcccaccctgtttgactt |
| mTMC1-M412C-R | ACAccccaggagggacattaccatgttcatttcatttttttccca |
| mTMC1-N447C-F | tcttcttctaggcTGTttgtatgtattcattctcgcctt |
| mTMC1-N447C-R | ACAgcctagaagaagagcaaaaatgcgccccaggag |
| mTMC1-D528C-F | tctcaccgtttctTGTgtcctgaccacttacgtcacgat |
| mTMC1-D528C-R | ACAagaaacggtgagacgcacgaattcctgccccaccattgtttc |
| mTMC1-T532C-F | tgacgtcctgaccTGTtacgtcacgatcctcattggcga |
| mTMC1-T532C-R | ACAggtcaggacgtcagaaacggtgagacgcacgaattc |
| mTMC1-D569C-F | atacacagaattcTGTatcagtggcaacgtcctcgctct |
| mTMC1-D569C-R | ACAgaattctgtgtatgaaggatatccatattctaagtcccagca |

**Supplementary File 1.** Primers used for generating desired truncation and mutations in mouse *Tmc1* cDNA.