1 ATGGGTAGGGGTAAGATAGAGATTAAGAAGATAGAAAATAATACAAACAGGCAGGTGACA

 M G R G K I E I K K I E N N T N R Q V T

 61 TATTCGAAGAGAAGAAATGGGATTTTCAAGAAAGCTAATGAGCTCACTGTTCTTTGTGAT

 Y S K R R N G I F K K A N E L T V L C D

 121 GCCAAAGTTTCACTTATTATGTTCTCTAACACTGGCAAATTACATGAGTACATTAGTCCT

 A K V S L I M F S N T G K L H E Y I S P

 181 TCGACAACGACTAAGAAGATGTATGACATGTATCAGACTACTGTAGGATTTGATCTGTGG

 S T T T K K M Y D M Y Q T T V G F D L W

 241 GGTTCCCACTATGAGAGGATGAAGGAAACGATGTACAAGCTCAAAGATACTAACAATAAA

 G S H Y E R M K E T M Y K L K D T N N K

 301 CTTAGGAGAGAGATCAGGCAAAGAGTTCTTGGTGAAGATATAGATGGTTTGGACATGAAT

 L R R E I R Q R V L G E D I D G L D M N

 361 GATCTCACAGTTCTCGAACAACAAATGCAAGATTCACTAACCGTTGTGCGAGAACGCAAG

 D L T V L E Q Q M Q D S L T V V R E R K

 421 TATCACGTGATCAAAACTCAGACCGACACTTGCAGGAAAAGGGTGAAAAACTTGGAGCAA

 Y H V I K T Q T D T C R K R V K N L E Q

 T W S K

 481 AGAAATGGTAATCTTCGACTGGACTATGACACAATACATCAGGCAGAGAAAAAATATGGC

 R N G N L R L D Y D T I H Q A E K K Y G

E M V I F D W T M T Q Y I R Q R K N M A

 541 ATGCATGAGAACGAAGGAGGATACGAGTCCACTATTGCATATTCAAATGGTGTATCAAAT

 M H E N E G G Y E S T I A Y S N G V S N

 C M R T K E D T S P L L H I Q M V Y Q I

 601 CTCTATGGCTTTTGTGCACTACCTAACAACATTACCCATGGCTCAGGGTACGAGCCCCAA

 L Y G F C A L P N N I T H G S G Y E P Q

 S M A F V H Y L T T L P M A Q G T S P K

 661 GGTCCTCGTCTCGCTTAAGACTTTAGTTTAA

 G P R L A \* *CmTM6*

 V L V S L K T L V \* *CmTM6-mu*

Supplementary File 4 | Sequence and mutation information of *CmTM6* and *CmTM6-mu*.

Note: The deletion base was boxed; the stop codons are underlined.