

**SUPPLEMENTARY TABLES**

**Supplementary Table 1. The primers for RT-qPCR assay.**

Genes	Forward	Reverse
UBE2MP1	5'-AGATCCAGACGACCTCCTCAA-3'	5'-CCATCCCGCATGGATGGCT-3'
UBE2M	5'- CCTGCCCAAGACGTGTGATA -3'	5'- CCCTGGCCCCACCTTAAAACT -3'
miR-145-5p	5'-CTCAACTGGTGTTCGTGGATCCCTAAG-3'	5'-ACACTCCAGCTGGGGTCCAGTTTTCCAG-3'

**Supplementary Table 2. The selected sequences of the predicted miR-145-5p binding site of the UBE2MP1 transcript and the 3'-UTR of RGS3 mRNA, along with the relative mutated sequences.**

Genes	Sequence including the binding site (202 bp)	Relative mutated sequence
UBE2MP1	5'- ccagggttaccgcatgatcccccaaggtgaagtgtgagacaatgg tctatcccccaacattgaatcgaggcaacgtctgcctcaacatcct cagagagaactggaagccagtccttacgataaactccataattatggc ctgcagtatcttacttggagccaaccccgaggaccactgaacaa gaaggccgca-3'	5'- gacgctaagcgggaagttgcgcgcaacgagtactctcacagattcgaaa actcgcgatcttagtattggtgcggatcctgtccgtgatcttgactgtgtga gtggtaccgactgcattccaaatagtctttaataaagccgtccagaaacac aagtagcaccgctagcggcagctcgtcagtagatgtagggccctc-3'
3'-UTR of RGS3 mRNA	5'- tcgtcccgggcaccggtggcaggcagctggccttctggactaaggca gcctggggggacactgcagctctggctacacacagagatctggcacc ccctgggtggagtgtccctcggggcttgggaaagcatggcaccct cagaccacacagtagccaagtctggagcaataaaaggcctgtgta tttctgttctga-3'	5'- acctcccgggagccgagcctgcctggtgggcatgtcgaatgcctggc agcgcgcagagtctgacagccaagagagacacaacagcctcgcgcag cgagcactctgcgtggcgggtatgcatacctcggagcgtgacagctct ctgaaccgatgatgtcgtggataaatatgccgtcttaatacatctacatca -3'