

Supplementary Table 1. Primers and their sequences used for real-time qPCR.

| Gene | Primer Probe | Sequence | Tm | Product Length |
|----------------------|---------------------|-----------------------------------|-----------|-----------------------|
| <i>Tsc1</i> | Forward | 5'- ATGGCCTTCATCCTGTCATCACTC -3' | 62.51 | 77 |
| | Reverse | 5'- AGACACAGCCTCCAGTTTCCTTG -3' | 62.64 | |
| <i>Tsc2</i> | Forward | 5 -ATGACACTCACAAGATTGCTGTCC -3' | 61.34 | 103 |
| | Reverse | 5'- AACTCCGTGTACCTGTAAGAGCC -3' | 61.93 | |
| <i>Rheb</i> | Forward | 5'- ATGCCTCAGTCCAAGTCCCG -3' | 61.90 | 127 |
| | Reverse | 5'- ACGTGTCTCTATGGTTGGATCGT -3' | 61.88 | |
| <i>Raptor</i> | Forward | 5'-ACTTACCGAGAGCACACAGCG-3' | 62.66 | 116 |
| | Reverse | 5'-GGCATCCGAGGGTCGAAGAAG-3' | 62.82 | |
| <i>S6k1</i> | Forward | 5'- TGGCAGCAAACGTCCATCTG -3' | 61.24 | 82 |
| | Reverse | 5'- GCTGCTACAGTCAAGAGAATCAGG -3' | 61.21 | |
| <i>4Ebp1</i> | Forward | 5'- AGCAGCCCGGAAGATAAGCG -3' | 62.65 | 87 |
| | Reverse | 5'- GCATCATTGCGTCTACGGC -3' | 62.11 | |
| <i>Vegfa</i> | Forward | 5'- ATCATGCGGATCAAACCTCACC -3' | 61.01 | 103 |
| | Reverse | 5'- CTGGCTTTGTTCTGTCTTTCTTTGG -3' | 60.96 | |
| <i>Lrp1</i> | Forward | 5'- CTCCTGCACCATGAACAGCAAG -3' | 62.02 | 86 |
| | Reverse | 5'- TAACAACCTGCTCCTCGCACC -3' | 62.64 | |
| <i>Gapdh</i> | Forward | 5'-TCCGTCGTGGATCTGACGTG-3' | 61.92 | 77 |
| | Reverse | 5'-GATGCCTGCTTCACCACCTTC-3' | 61.55 | |