**Supplemental table 5. RT-PCR primers for construction of the expression vectors**

|  |  |  |  |
| --- | --- | --- | --- |
| *Construct* | | Forward | Reverse |
|  | pCAGGS-C16orf74-3×Flag | ATGGGGCTTAAGATGTCC | GGCTTCTGGGTCGATTTCTCC |
|  | pCAGGS-C16orf74-HA | ATGGGGCTTAAGATGTCC | GGCTTCTGGGTCGATTTCTCC |
|  | pCAGGS-ITG B1-HA | ATGAATTTACAACCAATTTTC | TTTTCCCTCATACTTCGGAT |
|  | pCAGGS-ITG B2-HA | ATGCTGGGCCTGCGC | ACTCTCAGCAAACTTG |
|  | pCAGGS-ITG B3-HA | AGGCGGACGAGATGCGAGCG | AGTGCCCCGGTACGTGA |
|  | pCAGGS-ITG B4-HA | ATGGCAGGGCCACGCCCCAG | AGTTTGGAAGAACTGTTG |
|  | pCAGGS-ILK-HA | ATGGACGACATTTTCACTCAGTGC | CTTGTCCTGCATCTTCTCAAGG |
|  | pCAGGS-PPP3CA-HA | ATGTCCGAGCCCAAGGCAATT | CTGAATATTGCTGCTATTACT |
|  | pCAGGS-PDK1-HA | ATGAGGCTGGCGCGGCTGCTTC | GGCACTGCGGAACGTCGTCATGTC |
|  | pCAGGS-PXN-HA | ATGGACGACCTCGACGCC | GCAGAAGAGCTTGAGGAAGC |
|  | pCAGGS-C16orf74 G2A  -3×Flag(G2A) | ATTGAATTCATGGCCCTTAAGATGTCCTG | CAGGACATCTTAAGGGCCATGAATTCAAT |
|  | pCAGGS-C16orf74 Δ2-15  -3×Flag(Δ2-15) | TTTGGCAAAGAATTGAATTCATGAGCAGCAGCAGCAGCAGC | CAGGACATCTTAAGGGCCATGAATTCAAT |
|  | pCAGGS-C16orf74 C7A\_C14A  -3×Flag(C7A\_C14A) | C7A\_F:CTTAAGATGTCCGCCCTGAAAGGCTTTC | C7A\_R:GAAAGCCTTTCAGGGC GGACATCTTAAG |
|  |  | C14A\_F:GGCTTTCAAATGGCC GTCAGCAGCAGCAG | C14A\_R:CTGCTGCTGCTGACGGCCATTTGAAAGCC |
|  | pCAGGS-C16orf74 T44A  -3×Flag(T44A) | CATCATCATCACGCCCCCCGCC CCCACGGGCATGATGCTGC | GCAGCATCATGCCCGTGGGGGCGGGGGGCGTGATGATGATG |