

Table S1 Downstream candidate genes of Thsd7a

| Target gene | Forward primer | Reverse primer |
|--------------------|------------------------|--------------------------|
| CDC23 | CATGGCTGCAATAGCAAGAAAG | CGCCTCATTTTTCACTTGTCTT |
| TBX3 | TGAACTCAACAGCCGCTCCTC | CTTCCAAGCCGCTAACCAACC |
| GGTLC1 | GCGTGAGCACTTAATGGCG | GGCAGAGAAGAAGCTCGGAGG |
| RAB22A | TTTTGGCCGCTTTGTAGCAC | CAGAAGCTTGGCAAACCACC |
| CCDC117 | GGAGGGTTCTAGAAGGCGTG | GCCACAGCTACTGCCAAAAC |
| UHMK1 | TGTCTGCCTGGAAATAGC | TGGGGATTCTTTTGAGC |
| P3H1 | CGTGGGATTCTTTCAGGCA | GAAAGGCAAACCAAGGGCG |
| FAM81A | ATTATCTGCACGGAGTTGGTTG | TGGCTCCACTGTTTTCTTAAC |
| VAMP8 | TGAGCACTTCAAGACGACATC | ACAATCACGCAGATAAGGACAA |
| CETN2 | AGCGGACTCCTTTGGCTATG | CCCTCATTGCCACCTTCAGT |
| CORO1C | GTGCCACATAACGATCAGGT | CAAAATCACCACAGGTTTCAGTCA |
| STK26 | ATCTTGTGCAAACCCTGAGTTG | TTCAATCGCCTGATTCTGCT |
| PKP3 | AAACCTGTCTCGGAACGCTAG | CTGTCCCGCTTCTTCTTGATG |
| RBM8A | GTACCTAGTGTCTGAGCGGC | TTGTGAATGCTCTCGTCCCC |
| YRDC | ACAGATACTGCCGTGTGAGAG | GAGGCGTAAAAGGGTTTAGGTC |
| MYDGF | GCCGCATTTGAAAGGGAAAGT | CAGCTCAGCTTTGAATGCC |
| BEND6 | CAGAGAGACCCATATTCGGGA | GGCTTTTTATTTGGCGCACAA |
| SCARA5 | ATCTGCAATCTGCACCCTCC | AACACGTGTATGGCCCAGTT |
| CYB5B | ATGTCCGGTTCAATGGCGAC | CATGGATCACAAGCCACAGTT |
| AGPS | GCGCGAGCTACGGGTCT | TTCTTTGGGATGGTGCCCGA |
| CCDC86 | AGCGTCAGCAAGACCTACACC | CCTCCTTATTCTGGGCCAACT |
| GGT2 | CCCAACACTCAGCCTATTTCCA | CCTTCTGAACGGTGACCTG |
| MGLL | TCTCGGAATAAGACAGAGGTCG | ATGGAAGACGGAGTTGGTGAC |
| WSB1 | GCCATTTTACTCCAGTGTCTC | GGAATACGATGCGGACCCAA |
| CSGALNACT1 | GAGGTGAATGCTGGCGTCAAG | AAATCAGAGGCCGTGTAAGG |
| STARD7 | GAGATGAAGCGGTTGGAAGAA | ACTCGGTACTGGTAAAGGTGG |
| LDLRAD3 | CAATGAGTGCAACATACCAGGC | ACTCTTGTCGAAGCAGTCAGG |
| MOB1A | GACTATTTGATGACTTGGGTTT | GTGCTGGTGATAAAATATGGG |
| ADCK2 | CCTGTGTCCAGTTACCAGCA | TTCCAGGGTGAAGGTCTGCAT |
| TMOD3 | CCACCACAGGGCCATTTGATA | TGTAGGGCACATAGTCTTCCC |
| AGGF1 | GCAGCACAGGGGAAGTATGT | ATCCGTGCCCTGTGAACTTT |
| ABHD17C | GGTCAGAGCATTGGGACTGT | TCCTGGTATCCGGAAAAGCC |
| DNAJC10 | GCAGGTTTACTGTTTCTCTG | GGTCCAAGCGTGGTAACATGA |
| PEF1 | CACTCCACCTCAGGAAAAGGA | TGGCCATGGTATTCTGACG |
| RAB3IP | AAGTCGGAAGCAGCTCACAA | TGCAGTTCGTCTCAACTCCC |
| NCOA7 | GCACAGGCGAAACTTTTCTCT | AGCCATAAAACCAAATCGTCCC |
| SMCO4 | ACCTCCAAGGACAAGAAGGA | AACACCACGATCAAGAGCAC |
| GAPDH | TGACTTCAACAGCGACACCCA | CACCCTGTTGCTGTAGCCAAA |