

| | | gRNA sequences |
|----------|-----|----------------------|
| TPM4 | sg1 | CTCACCAGAGAACTTGCCC |
| | sg2 | GCTTCTCCTGCGCGTCCTTC |
| RGS2 | sg1 | AATTCTGACTCCAAGAAACG |
| | sg2 | CAGATGGTCTTGCTGCATTC |
| LAMC2 | sg1 | TGGCAGACATCGGTCGCATC |
| | sg2 | AGTGCTCGATGTGACAACTC |
| SERPINB5 | sg1 | CGACCAGACCAAAATCCTTG |
| | sg2 | ATTTGATAGGGCCACTCCCT |
| KLK7 | sg1 | GCCGCAAGGGAAAGTTCCCC |
| | sg2 | AGGGTACCTCTGCACACCAA |
| MFGE8 | sg1 | TGACCATGCCTGCGCGGTTT |
| | sg2 | GTAGCCCTTAAGGCACGTGC |
| KLK5 | sg1 | GGCCGGGGAAGACGCCCGGT |
| | sg2 | ACAGGGAGTAGTGGCCGAGA |
| ID4 | sg1 | GGCCGGCGCGGTGAACAAGC |
| | sg2 | CACTGCGCTCAACCCGACC |
| RBP1 | sg1 | GCTCATCACCTCGATCCAC |
| | sg2 | CCCCACCGCAGACGTCAATG |
| SLC2A1 | sg1 | CCTCGTTGCGGTTGATGAGC |
| | sg2 | CTTCGTGTCGCCCGTGCTCA |

Supplementary Table 1