**Supplementary File 5**

**Sequences of esiRNAs used for CAV1 knock-down experiments**

>HU-03125-1 (414 bp)

GAGCTGAGCGAGAAGCAAGTGTACGACGCGCACACCAAGGAGATCGACCT  
GGTCAACCGCGACCCTAAACACCTCAACGATGACGTGGTCAAGATTGACT  
TTGAAGATGTGATTGCAGAACCAGAAGGGACACACAGTTTTGACGGCATT  
TGGAAGGCCAGCTTCACCACCTTCACTGTGACGAAATACTGGTTTTACCG  
CTTGCTGTCTGCCCTCTTTGGCATCCCGATGGCACTCATCTGGGGCATTT  
ACTTCGCCATTCTCTCTTTCCTGCACATCTGGGCAGTTGTACCATGCATT  
AAGAGCTTCCTGATTGAGATTCAGTGCATCAGCCGTGTCTATTCCATCTA  
CGTCCACACCGTCTGTGACCCACTCTTTGAAGCTGTTGGGAAAATATTCA  
GCAATGTCCGCATC

>HU-03125-2 (325 bp)

CCAAAATGTTGGTCATTTTATGTTAAGGGAAGAATTCCAGGGTATGGCCA  
TGGAGTGTACAAGTATGTGGGCAGATTTTCAGCAAACTCTTTTCCCACTG  
TTTAAGGAGTTAGTGGATTACTGCCATTCACTTCATAATCCAGTAGGATC  
CAGTGATCCTTACAAGTTAGAAAACATAATCTTCTGCCTTCTCATGATCC  
AACTAATGCCTTACTCTTCTTGAAATTTTAACCTATGATATTTTCTGTGC  
CTGAATATTTGTTATGTAGATAACAAGACCTCAGTGCCTTCCTGTTTTTC  
ACATTTTCCTTTTCAAATAGGGTCT

>HU-03125-3 (680 bp)

GAGTTGCTGCAAACCTGACCCCTGCTCAGTAAAGCACTTGCAACCGTCTG  
TTATGCTGTGACACATGGCCCCTCCCCCTGCCAGGAGCTTTGGACCTAAT  
CCAAGCATCCCTTTGCCCAGAAAGAAGATGGGGGAGGAGGCAGTAATAAA  
AAGATTGAAGTATTTTGCTGGAATAAGTTCAAATTCTTCTGAACTCAAAC  
TGAGGAATTTCACCTGTAAACCTGAGTCGTACAGAAAGCTGCCTGGTATA  
TCCAAAAGCTTTTTATTCCTCCTGCTCATATTGTGATTCTGCCTTTGGGG  
ACTTTTCTTAAACCTTCAGTTATGATTTTTTTTTCATACACTTATTGGAA  
CTCTGCTTGATTTTTGCCTCTTCCAGTCTTCCTGACACTTTAATTACCAA  
CCTGTTACCTACTTTGACTTTTTGCATTTAAAACAGACACTGGCATGGAT  
ATAGTTTTACTTTTAAACTGTGTACATAACTGAAAATGTGCTATACTGCA  
TACTTTTTAAATGTAAAGATATTTTTATCTTTATATGAAGAAAATCACTT  
AGGAAATGGCTTTGTGATTCAATCTGTAAACTGTGTATTCCAAGACATGT  
CTGTTCTACATAGATGCTTAGTCCCTCATGCAAATCAATTACTGGTCCAA  
AAGATTGCTGAAATTTTATATGCTTACTGA