

**Supplementary Table 5.** Oligonucleotides for qPCR

ID	Forward Primer 5'-3'	Reverse Primer 5'-3'
NEAT1	CCAGTTTTCCGAGAACCAAA	ATGCTGATCTGCTGCGTATG
MALAT1	GGAAAGCGAGTGGTTGGTAA	TCTCCAGGACTTGGCAGTCT
aSPAG4	CCTCCAAAGAGCTGTTCTCTG	CTAGCCGACCCTCTCTTCTCT
aSLC25A24	GTGTCTGCCAGCTGCACTTA	GACTACCCGGAGACGCTATG
aGMEB2	GACGCTGCTGTGTGTGAATG	GCCCTCCTCTACAAGTGTG
aTMEM167B	AGAAGCCGTAGTACGCAGGA	AGTTACCACGGCCAAGTACG
aTRIM52	CTAAAGCTGAAGGGCAGGTG	TTTCAAACTGTGGGTGTGC
aCCDC170	TAGTCTTGCCTTCTCTGACA	CAGCTGTTACCGTGTAGGTCA
aGPR132	GACCTGGGAGAACAGTTCCA	TCCAGCCTCTAGCCACAGTT
aABHD16B	CGGGGACTAGGGACATGTAG	CCTAGCTCTGTCCCCTCCTT
aMIPEP	GGTTGAGAGTCTGTGTCTC	AGCCTTTGCTCTGAGTTCCA
aTHEM5	GTTGCCAAGCATGTGACTGT	TTGGATCCTCCACAGACTCC
chr16:85587072-85589839	GGTCGGAGAGAGAGCCTTTT	TTCCATAGTGGCCAGAGAGG
chr11:70995192-70998931	TGCTGTGCACTTGTGTGTTT	CCCCTGCAGTCACCTTTTAT
chr7:129244613-129251530	TGAAGGAGTAGGAGGGCAAA	AAACACGTGGCTTTCCTGTT
chr20:292339-305552	GACCAGCATCTCAACTGCAA	TCTTCCCCTCCTTCCAAT
chr5:172721232-172730376	CGCAACTGTAGCACATGGAT	TGCCTTCGCAAGAGTCTTCT
chr5:177485281-177505466	GTAGGGCCTGTGCCTTTTCT	TGGTTGAGACGTCTGTGAGC
chr12:8116260-8123253	AAAAAGGAGAGCGGTAAGT	GCCCGAACTACAATTCTTGG
chr16:85479122-85498916	ACCACCTAAGCCGACATCTG	CTCTGTGTGCACCTCTCTGC
ALDOA gene body	GCTATGGCCTTTTCTTTCC	AACTCTGTCTGGTGCTGGGT
NDRG1 gene body	GAAGTCACAGGTCAGGGGAA	AGGGAGAGAGAGGGTTTTGG