

**Supplementary information, Table S5. RT-qPCR primers used in this study.**

<b>Name</b>	<b>Species</b>	<b>Primers</b>	<b>Sequences</b>
ZNF689	Human	Forward	CGAAACACCGATGACTGGGAAC
		Reverse	TGCCTCCTTAGGCGGGAATACT
MUC19	Human	Forward	TATCTACCTGGAGCAAAGGAGC
		Reverse	CCTTCCACCTTACATCTTCCAG
PGC	Human	Forward	ACCTACTCCACCAATGGGCAGA
		Reverse	TCACTCAAGCCGAACTCCTGGT
DHRS2	Human	Forward	GGTGCTGTCATCCTGGTCTCTT
		Reverse	CCAGCTCCAATGCCAGTGTCT
TDRD12	Human	Forward	TGTCAGCAGACCTGAAGAAGGC
		Reverse	AGGAGGTAGAGCAAAGGGTTGC
C20orf114	Human	Forward	CATGAACCTCCTAGTGCCATCC
		Reverse	CAAACCTCCAGACGGTCAATGCTG
LINE-1 ORF2	Human	Forward	TGGAGGCATCACACTACCTG
		Reverse	ATGCGGCATTATTTCTGAGG
HLA-A	Human	Forward	GGCCCTGACCCAGACCTG
		Reverse	GCACGAACTGCGTGTCGTC
HLA-B	Human	Forward	CATCGTGGGCATTGTTGCTG
		Reverse	ACGCAGCCTGAGAGTAGC
HLA-C	Human	Forward	CTGGCCCTGACCGAGACCTG
		Reverse	CGCTTGTACTTCTGTGTCTCC
B2M	Human	Forward	TGACTTTGTCACAGCCCAAG
		Reverse	AGCAAGCAAGCAGAATTTGG
TAP1	Human	Forward	CCTGTGGCACAAACTCGGG
		Reverse	ATCTCCCAAGAGAGGAGAGGA
TAP2	Human	Forward	TCGACTCACCTCCTTTCTC
		Reverse	ACTGCATCCTGGATCTCCC
TAPBP	Human	Forward	CAGCAGGAGCCTGTTCTCAT
		Reverse	AAGCTCAAGTCCAGCAGAGC
PSMB8	Human	Forward	TCTCCAGAGCTCGCTTTACC
		Reverse	CACTCCATGCTGGAACCTGA
PSMB9	Human	Forward	CGTTGTGATGGGTTCTGATTCC
		Reverse	GACAGCTTGTCAAACACTCGGTT
NLRC5	Human	Forward	CACTTGGAGGAGCTGGACTT
		Reverse	GTGAGTAAGCAAGGCCAAGG
GAPDH	Human	Forward	TCGGAGTCAACGGATTTGGT
		Reverse	TTGCCATGGGTGGAATCATA
LINE-1 ORF2	Mouse	Forward	TGGCTTGTGCTGTAAGATCGA
		Reverse	TTCCCAGTCTGTTGGTGGTCT
H2-K1	Mouse	Forward	GCTGGTGAAGCAGAGAGACTCAG
		Reverse	GGTGACTTTATCTTCAGGTCTGCT
H2-D1	Mouse	Forward	AGTGGTGCTGCAGAGCATTACAA

		Reverse	GGTGA <del>CTT</del> CACCTTTAGATCTGGG
B2m	Mouse	Forward	TGGTGCTTGTCTCACTGACC
		Reverse	TTCAGTATGTTCCGGCTTCCC
Tap1	Mouse	Forward	AGTCTGGAGCCCACGATTTTCATC
		Reverse	GGGTGATAAGAAGAACCGTCCG
Tap2	Mouse	Forward	TGCCTGTTCTCTGTTGGGAG
		Reverse	AGCTCCCCTGTCTTGGTCTC
Psmb8	Mouse	Forward	TTGGCCAAGGAGTGCAGGTTGTAT
		Reverse	GTCCCGAGAGCCGAGTCCCAT
Psmb9	Mouse	Forward	ACCGTGAGGACTTGTTAGCG
		Reverse	GTAAGGGCTGTCTCGAATTAGCA
Nlrc5	Mouse	Forward	GCAGCTATGAGCCCTCCAAC
		Reverse	CTGCTTAGAGAATTCATCTCTTGGG
Gapdh	Mouse	Forward	TGGCAAAGTGGAGATTGTTGCC
		Reverse	AAGATGGTGATGGGCTTCCCG

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