

Supplementary material**Table S1. Primer sequences**

Target	Sense and antisense sequences	Tm
CD74	F: 5'-AGCGCGACCTTATCTCCAACAATG-3' R: 5'-AGCGAGGAGCAGAGTCACCAG-3'	61.5°C
HIST1H1D	F: 5'-CTGCTCCACTTGCTCCTACCATTG-3' R: 5'-CCTTAGAAGCTGCCACTGCCTTG-3'	63.6°C
IBSP	F: 5'-GCAGCAGCGGAGGAGACAATG-3' R: 5'-ACCCACCATTGGAGAGGTTGTTG-3'	60°C
CMPK2	F: 5'-GACCTTATCCTGCTGCTCACTGTG-3' R: 5'-TCTGCTTCTCCCTGGTCTTCTCC-3'	63.6°C
LINC01473	F: 5'-TCCGCCCTGCTTAGCAAATTTCT-3' R: 5'-GCTTTGCTTGTACTTCTTCCTGCT-3'	55°C
SMUG1	F: 5'-GCTGAAGCTATCCTCTTGCCTTGG-3' R: 5'-CAGTTGCCTGGTCAAACCTGTCTC-3'	62.5°C
CSNK1D	F: 5'-AACATCTCCTCGTCCGACCTCAC-3' R: 5'-GAATCCAGTGCTGCCTTCCGATG-3'	63.6°C
GAPDH	F: 5'-GCACCGTCAAGGCTGAGAAC-3' R: 5'-TGGTGAAGACGCCAGTGGA-3'	

Tm, Temperature

Table S2. The differentially expressed lncRNAs in MM

LncRNA	log2 (Fold Change)	P-adj	Regulation
CNTNAP2	19.17068	0.000996	up
ZCCHC7	16.69069	0.04903	up
DDX56	15.61792	0.013154	up
DOCK8	15.11436	0.020109	up
CMPK2	14.7758	0.038218	up
LINC01473	14.43043	0.029256	up
XLOC_111015	14.33685	0.034917	up
SZT2	14.18549	0.034285	up
TENM4	14.14374	0.032949	up
NFU1	12.34335	0.022821	up
NUTM2A-AS1	12.1823	0.025167	up
XLOC_057197	12.01475	0.012824	up
MALRD1	11.62401	0.038658	up
ZNRF1	11.29796	0.049149	up
CCDC26	11.26326	0.041617	up
ABHD3	11.1229	0.046915	up
SMUG1	11.09421	0.046915	up
FAM66D	10.1229	0.024206	up
MKLN1	9.690808	0.037829	up
CSNK1D	9.527512	0.034729	up
FAM66D	9.147664	0.038658	up

ATL2	9.109714	0.035507	up
SPATA6L	-9.30656	0.042337	down
BACH1	-9.3666	0.033635	down
AC010198.2	-9.54748	0.029845	down
MUC20-OT1	-10.944	0.009811	down
PRKN	-11.113	0.046915	down
NAE1	-11.1239	0.049869	down
TTC28-AS1	-11.8264	0.010398	down
PLS3-AS1	-12.2141	0.026701	down
ASS1	-12.6292	0.020454	down
CAPZA1	-12.8826	0.012933	down
XLOC_089118	-12.9966	0.0358	down
DMGDH	-13.2408	0.017038	down
MAGED2	-13.3104	0.010398	down
SGCE	-13.4987	0.010841	down
DLEU2	-13.514	0.048178	down
AL357146.1	-13.5653	0.046551	down
TASPI	-13.8763	0.005243	down
CASTOR3	-14.4022	5.59E-05	down
VLDLR-AS1	-14.4784	0.033635	down
PPARG	-14.5649	0.044962	down
ZMYM1	-16.8746	0.047376	down

Table S3. The differentially expressed mRNAs in MM

mRNA	log2 (Fold Change)	P- adj	Regulation
KCNH8	11.60133	0.003377	up
AL159163.1	13.15398	0.003377	up
CXCL13	12.14868	0.013742	up
KCNJ3	15.04035	0.018635	up
HBB	8.931335	0.026179	up
EPYC	9.201184	0.026179	up
PCDH11Y	11.66464	0.026564	up
GREB1	4.062673	0.026564	up
AP002748.4	6.56049	0.026564	up
C4orf50	11.39567	0.026564	up
S100Z	10.96474	0.032388	up
UNC80	7.961308	0.034357	up
CD74	2.367186	0.03451	up
HIST1H1D	2.591138	0.04592	up
IBSP	3.583879	0.047418	up
ADGRE3	9.093116	0.048418	up
NEXMIF	4.084202	0.049819	up
HTR2C	12.80656	0.049819	up