

**Supplementary Table 1 Primer sequences for lncRNA**

		Sequence (5'-3')
si-NC	sense	UUCUCCGAACGUGUCACGUTT
	antisense	ACGUGACACGUUCGGAGAATT
si-lncRN A	sense	CUCUGUAAGAGUGAUUUATT
	antisense	UGAAAUCACUCUUACAGAGTT

**Supplementary Table 2 Primer sequences for lncRNA**

		Sequence (5'-3')
TCONS_00014506	FORWARD	GGGCGGATGGGTCTGTGAG
	REVERSE	AGAGTGGTTAGAGGAGTGTGGATG
RP5-965G21.4	FORWARD	TCTCACCATCATGTCTCCTCACCTC
	REVERSE	AGCGGCTTCCTTCTTCCCTATCTC
TCONS_00129607	FORWARD	GCAAGGATTATCACGGAAGGTGGAG
	REVERSE	ACAAGGTGGCTGTTCTAGGTCAGAG
TCONS_00129606	FORWARD	TCTCTGCTGGTCACGTCTGGAG
	REVERSE	GTGGTTGTGGGCGGCATCATC
TCONS_00125548	FORWARD	CCTTCACTGGCTCATGTTGACTCC
	REVERSE	CCAGAGCTAGGTCCGGCAGAG
AC147651.1	FORWARD	TGGATCTGGGCTCAGGAAGGTG
	REVERSE	GTCAAGGTCACAGGGCTCACAAG
TCONS_00125550	FORWARD	GTCAAGGTCACAGGGCTCACAAG
	REVERSE	TGGATCTGGGCTCAGGAAGGTG
GAPDH	FORWARD	CACTGAGCATCTCCCTCACAA
	REVERSE	TGGTATTCGAGAGAAGGGAGG

**Supplementary Table3 Differential expression mRNAs**

Down	Up
PDGFA	TRIB3

SHANK2	DDIT4
SPPL2B	HKDC1
FGF3	LPAR5
ZNF703	PYGB
MSRB1	SLC3A1
CGNL1	STEAP1
KREMEN1	STEAP2
MYO3B	
FOXA2	
ITPR2	
CTD-2535L24.2	
B9D2	
PLPP3	
AXIN2	
FGFR4	
ADRA2C	
ZNRF3	
AVPR2	
FGF11	
GTF2I	
MME	
SLC9A3	

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**Supplementary Table 4 Differential expression of lncRNA**

<b>Down</b>	<b>Down</b>	<b>Up</b>
AC141928.1	TCONS_00074968	RP5-965G21.4
AC147651.1	TCONS_00085781	TCONS_00087850
CTD-2515H24.4	TCONS_00095216	TCONS_00077738
LINC00261	TCONS_00095221	TCONS_00131381

TCONS\_00002494 TCONS\_00104404 TCONS\_00127472  
 TCONS\_00021374 TCONS\_00114725 TCONS\_00017000  
 TCONS\_00021375 TCONS\_00117974 TCONS\_00027908  
 TCONS\_00021376 TCONS\_00125548 TCONS\_00089607  
 TCONS\_00021378 TCONS\_00125550 TCONS\_00014506  
 TCONS\_00025860 TCONS\_00129606  
 TCONS\_00025916 TCONS\_00129607  
 TCONS\_00028525 TCONS\_00131062  
 TCONS\_00049762 TCONS\_00131063  
 TCONS\_00049763 TCONS\_00136619  
 TCONS\_00049764 TCONS\_00136621  
 TCONS\_00049765 TCONS\_00136623  
 TCONS\_00060009 TCONS\_00136624  
 TCONS\_00061662 TCONS\_00146770  
 TCONS\_00072574

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**Supplementary Table 5 lncRNA-mRNA associated with autophagy**

<b>lncRNA</b>	<b>mRNA</b>
TCONS_00014506	DDIT4
RP5-965G21.4	PYGB
TCONS_00129607	
TCONS_00129606	
TCONS_00125548	PDGFA
AC147651.1	
TCONS_00125550	