

RT-qPCR primers

CASC15	FOW1	5' CGCCGGGGTATCTCCCTCTCG 3'
	REV1	5' CATTTCCCCGCTGCAGTCCA 3'
	FOW2	5' TGGAGTCCAAGTGTGACTGCCAAG 3'
	REV2	5' TCCTCTGGGTTTTCCATGCGTGT 3'
SOX4	FOW	5' AGCGACAAGATCCCTTTCATTC 3'
	REV	5' CGTTGCCGGACTTCACCTT 3'
PRL1	FOW	5' GGGGTTTCATTACCAAGGCCA 3'
	REV	5' TGGATAGGATAGCCTCCGGG 3'
MYC	FOW	5' CCACAGCAAACCTCCTCACAG 3'
	REV	5' GCAGGATAGTCCTTCCGAGTG 3'
ACTIN	FOW	5' CATGTACGTTGCTATCCAGGC 3'
	REV	5' CTCCTTAATGTCACGCACGAT 3'
RAPGEF4	FOW	5' CACCTCTCATTGAACCTCACG 3'
	REV	5' GTCCGGGAGTGAACACATGG 3'
JUN	FOW	5' TCCAAGTGCCGAAAAAGGAAG 3'
	REV	5' CGAGTTCTGAGCTTTCAAGGT 3'
LOC729177	FOW	5' AGATCACAGTGGACAGCCACTCA 3'
	REV	5' CAAATATTGGCTGCCTTAAGCTCTC 3'
L32 (mouse)	FOW	5' AAGCGAAACTGGCGGAAAC 3'
	REV	5' TAACCGATGTTGGGCATCAG 3'
Casc15	FOW	5' TGCAAGTTAGCACTGGACAA 3'
	REV	5' AGAATTCTCGGGCATCACACT 3'

mmu-miR-155 formatted siRNA oligos

CASC15-siRNA1	5' GAAGGCTGTATGCTGAAAGTTGACCCCTCAAGTCTGAGTTTTGGCCACTGACTGACTCAGACTT GGGTCAACTTTTCAGGACACAAGGCCTG 3'
CASC15-siRNA2	5' GAAGGCTGTATGCTGTTGGCAGTCACACTTGGACTCGTTTTGGCCACTGACTGACGAGTCCAA GTGACTGCCAACAGGACACAAGGCCTG 3'
CASC15-siRNA3	5' GAAGGCTGTATGCTGAAGAAATCAAGCCTGCCCATAGTTTTGGCCACTGACTGACTATGGGCA CTTGATTTCTTCAGGACACAAGGCCTG 3'
CASC15_C1-1	CACCGTCCCGGAGCAGACAAAGAGG
CASC15_C1-2	AAACCCCTCTTTGTCTGCTCCGGGAC
CASC15_C9-1	CACCGAGGAAGTTGAAGATTTGTCC
CASC15_C9-2	AAACGGACAAATCTTCAACTTCCTC
CASC15_C11-1	CACCGGCCAATACCCACCAGAAGCA
CASC15_C11-2	AAACTGCTTCTGGTGGGTATTGGCC
CASC15_C12-1	CACCGTATTATTGGTATAATCATCA
CASC15_C12-2	AAACTGATGATTATACCAATAATAC
5' RACE Sequence CASC15	Product 1: NNNNNNNNNTCTCNGGGTNNNTGCGTGTGGCGTGCTTCGGGCAGGGCTACATGC TTGGGCTTTTTGGCTTTGCTGGATTCTCTTGGCAGTCACACTTGGACTCCACAGCT CCATTAGCCACTTCTTCTTCTGTCTGTTTGTGTTGAGGACATCTGGTGAACAGAC AATGGAGAACAGCCATCCATGGGTCGGGGGAATTGAGAAGGATGTTCAAGTAGT AACCCAGGGATGACTTGGTGACGGAAAAGAAGGCACACATTTTTAAATCTGCATA GGACATCAAATTAGATGTGGTTGAGCAGTAAATGCAGATCCTTCAGCTGGTAAAG TTGACCCCTCAAGTCTGAGCTGAAGATTTTCTCAGAACTTTCAAATCAAGATCTAT ATCTCCACAGATAACAATAATGGAGTGACTCCACCANTAGATTTTACTCGTCTCAG GTAATTCTGCTGGAAAGGGAAGGAAGTAAATCTTGGANTCCTGCACTTCCATCCG TTAATCATATACATGCACGCCCTCAAAGCANTAAATCACTGTCTTTCACTGTATT GCCATGATTCACACCTGAAGAGCACTCATCAGTCATTCTGACTGTCTTGTGATAAT GCTTCAGCAAACCCACCAGTGAAATGAGCTTGTGGCAATTCTGGAAATCTTCCC CATCCAGAAAGTCTCCTACCGGAACATGCTGGGTGTTAACACATCTGTAGTCACCT GAGGGTACTTCTTTAAGGTGGAGAATCCCAGCGATCAAATTGTAATCCATATAN AAAANGTATCATCAAAAATTCCAATGATTTAACTTTTAAGCAACTCCAGATGAAT CCAGGAATGATTTGACCTTGTATTGGTACTTCCATATTGTTGGCTGATGGAAAGAT CCAGTAAGAACAACGCAGAATGAAGGAGGTCAGTGCTAGGAAGTACTCCAGCAA ATTCATGATGCTTTCTAGATGCTGATAATAGTAATTACACCTTCTTCCCCACTTCGT CGCACTTTTAAGGGACATTTCCCCCGCTGCAGTCCACGAGGCGTTCGGACACTTTT TCCCGGCTGACAG

	<p>Product 2: NNNNNNNNNCTCTGGGTTNNNTGCGTGTGGCGTGCTTCGGGCAGGGCTACATGCT TGGGCTTTTTGGCTTTGCTGGATTCCCTCTTGGCAGTCACACTTGGACTCCACAGCTC CTTGACTCTGTTTATCAAGGGAGGAATCCCGACAGCATGGAGCCCCCAGGCCTCC CCTCCTCCATCAGCACAGCATGCCCGCAGTCACAAGCTGCCTGCGAGTTTGGTAA GACTCTGGCTCCAATCCCTTGGCCTCATCTGACCCGTCTTTCTGCCGTATCACTTAT CTCCTGGAAAGGAACATGTTTCCAAGCTTCTTCCACATCAGCAGTAGGAAAGGAA TTTGCAGTCTTTGAGTATTAAGTGACCATTAGCCACTTCCTTCTTCTGTCTGTTTGT TTTGAGGACATCTGGTGAAACAGACAATGGAGAACAGCCATCCATGGGTTCGGGGG GAATTGAGAAGGATGTTTCAGTAGTAACCCAGGGATGACTTGGTGACGGAAAAGA AGGCACACATTTTAAATCTGCAGAGGACATCAAATTAGATGTGGTTGAGCAGTAA ATGCAGATCCTTCAGCTGGTAAAGTTGACCCTCAAGTCTGAGCTGAAGATTTTCTC AGAACTTTCAAATCAAGATCTAGATCTCCACAGATAAGAATAATGGAGTGACTC CACCAGTAGATTTTACCTGTTGAGTTAGGAGGGTAGGAATGCAGGAAGGACAGAG GCAGGAAACAACAGTTTGGAGAACTTCTGTCCCANGCTTGAAACCCTCTTTATAA CATTCCTCTCCGTACCTTTCACATCTTACAGTCACTAAGTCCTGACTTTTCTGTT TCATCAAAGCCAGCAAACGCAGTGTTCCGGATCCGCGA</p>
<p>3' RACE Sequence CASC15</p>	<p>Product1: NNNGCCTNNGAGTTCTCATTTNTGTTNNCCTCTGG AAACCACATGTGTACCTTGTTTGCAACAGTATGGGTTCCGGANGCNNAAGAATTTTCCTTGCTTGGA TGAGACTTTTGACTTNTTNTTTGGGTTAANTTCTNNAGAGTCTCCTTGCTTCTGATTCTACATCTCCAT CCATGGGCCACTGTTTCAACAACCTCANCCAGTGCAACACAACCTCATCCAAGAAGAGTATGCAGAGA AAGGACTCCCCTACCTGCCACAAAAGTGTGTCTGAAAAGTGTCTCATATTGTCACAAGTTGTCATTCA TTGTGAATTACACCTGTTAACATGTAATCTGCAACATGCTTCACTGTCTAATTTTCCAGAGCCCCTCAT ATAAGGAACTGTATTATTGGTATAATCATCATGGTGAAGAAGTTGGTNTTCCAGAACCCCTCAT</p> <p>Product2: NNNNNNNNNNNNNNNNNNNTNNTNNTGAGAAGTTGGTANNNGGGGGAGAGANGA CAGAAACAGAGAGTAAGTCAGAGCTGGCTGCCTGACAGATAAAAAGGAAATGAC CAAAAAAAAAAAAAACCTATNNGNNTNNNATTAATTCGGATCCNGGNN</p>

Table S1: Primers, siRNAs, guideRNAs and RACE sequences