

**Supplementary table 1:** List of specific primers for genes used in RT-qPCR

<b>Gene symbol</b>	<b>Accession number</b>	<b>Primer sequence</b>	<b>Product size (bp)</b>	<b>PCR efficiency</b>
Atg3	NM_026402	F: GTGGAAGCCTGCAAAGCTAA R: CGTTGCTCATCATAGCCAAA	137	108.2%
Atg4b	NM_174847	F: GGCCCTACTTCAGACACAGG R: GCTGAGTCCACCTCCAATCT	109	85.4%
Caprin2	NM_181541	F: ACTTCAAAGGGGGCTTGAAT R: GGATGACTGCTCCATCTGGT	134	91.2%
Cdk1	NM_007659	F: GGAACAATCAAAGTGGCTGA R: GATGTCAACCGGAGTGGAGT	144	93.8%
Cdkn1b	NM_009875	F: GGGTCTCAGGCAAAGTCTGA R: TCTGTTGGCCCTTTTGT	123	89.7%
Ctsd	NM_009983	F: CATGCAGTCATCGCCTAAGA R: GGGACCCACAGTTAGAGGA	150	88.9%
Dnmt1	NM_001199433	F: CAAGGAGAATGCCATGAAGC R: TGCCACCAAAGTTCACCATA	107	90.5%
Dnmt3a	NM_001271753	F: GCACCAGGGAAAGATCATGT R: GGGTTGACAATGGAGAGGTC	112	96.7%
Dnmt3b	NM_001003961	F: GCCCATGCAATGATCTCTCT R: AGAAGAATGGACGGTTGTCG	109	95.3%
Dusp6	NM_026268	F: TTGAATGTCACCCCAATTT R: AATGGCCTCAGGGAAAAACT	120	110.2%
Etv5	NM_023794	F: GCAGGCTCTTGGTGCTAAGT R: AATTCTGATGGGTGGGTGAC	128	92.3%
Fgfr3	NM_001163215	F: ACTCCAACACACCCCTTGTC R: GGTCCCTGGATAGCTCCCCT	116	86.2%
GAPDH	NM_008084	F: GACGTGCCGCCT GGAGAAAC R: AGCCCAAGATGCCCTTCAGT	90	104.2%
Klf4	NM_010637	F: CCAAAGAGGGGAAGAAGGTC R: CTGTGTGAGTTCGCAGGTGT	124	106.4%
Lamp1	NM_010684	F: CCCACAAACCCCACTGTATC R: GGTCACCGTCTTGTGTCTCT	120	88.3%
Lgmn	NM_011175	F: GGTGACTGGTACAGCGTCAA R: CCAGGTGGTACTGCTTGTGA	85	94.32%
Mapk1	NM_011949	F: GCGCTTCAGACATGAGAACA R: TGCTGAGGTGCTGTGTCTTC	140	105.6%
Mapk3	NM_011952	F: TAGGCATCCGAGACATCCTC R: GCAGATGTGGTCATTGCTCA	131	107.1%

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Prox1	NM_008937	F: GCTATACCGAGCCCTCAACA R: GGCATTGAAAACTCCCGTA	106	99.78%
Spry2	NM_011897	F: ACATCGCTGGAAGAAGAGGA R: CTCCATCAGGTCTTGGCAGT	114	102.2%

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