

Primer	Sequence	PCR Conditions
mRb-flox-212	GAAAGGAAAGTCAGGGACATTGGG	Ta = 58 °C
mRb-flox-18	GGCGTGTGCCATCAATG	
mCreCol_f	CCTGGAAAATGCTTCTGTCCGTTTGCC	Ta = 62 °C
mCreCol_r	GAGTTGATAGCTGGCTGGTGGCAGATG	
mRb1_p6_F	TCTGTGCGTGACTCGCCCATC	Ta = 64 °C, +4% DMSO
mRb1_p8.2_R	GGAACGTCCCCCGAGGAAAA	
mRb1-Ex17_F	CAAAGTGGAAAGCCAACTTGA	Ta = 60 °C (qRT-PCR)
mRb1-Ex17_R	CACTTACTGAAAGCCATGCAA	
mRb1-Ex19_F	TGAAATCTACCTCCCTTGCC	Ta = 60 °C (qRT-PCR)
mRb1-Ex19_R	CTGGAGCCACAACCTAACCTAGT	
Fndc3a F	AGATGCCCACTCTACACACG	Ta = 60 °C (qRT-PCR)
Fndc3a R	TTCCTTGGCGATCCTTTAAT	
Cysltr2 F	CCTGAATTTGGGAAAGGAAG	Ta = 60 °C (qRT-PCR)
Cysltr2 R	TCACCATGGAGAGAAGCAAG	
Rcbtb2 F	TTCGTCAGGCTTGTGTCTTC	Ta = 60 °C (qRT-PCR)
Rcbtb2 R	GTGCTCTGAATGTCGCCTAC	
Rb1 F	TCTCACCTCCTGCACTACTCA	Ta = 60 °C (qRT-PCR)
Rb1 R	CGCTCCTGTTCTGACCTCTT	
Lpar6 F	GGTCCGACTTGGAAACAGTTT	Ta = 60 °C (qRT-PCR)
Lpar6 R	GTCAAGGAAGCCAACCCATA	
Ltm2b F	TTGCTCTTCAGCCAGATGAT	Ta = 60 °C (qRT-PCR)
Ltm2b R	GAAGGCTCGTTCAGGATGAC	
Med4 F	GCTGCAGAAACAGCTGAAAG	Ta = 60 °C (qRT-PCR)
Med4 R	TTTCCTTTGCCTGGTAAACA	
Nudt15 F	ATTTGGAATTCGGTGAGACC	Ta = 60 °C (qRT-PCR)
Nudt15 R	CAGCTTCTTCCCAGGTTTCT	
Sucla2 F	GTCTGTGAGCGCAAATATCC	Ta = 60 °C (qRT-PCR)
Sucla2 R	GCAGCCACATCTTCAATGTT	
AC155246.1 F	CTAAGGGGGAAACTCATATC	Ta = 60 °C (qRT-PCR)
AC155246.1 R	CTTGGGTGAATTTGCTTC	
Gm6984 F	TCTCGACCCTGAACGAATAA	Ta = 60 °C (qRT-PCR)
Gm6984 R	ACTTCATGTTTCGCCTCCTTT	
Htr2a F	GAACCAAAGCCTTCCTGAAA	Ta = 60 °C (qRT-PCR)
Htr2a R	AATCATCCTGTAGCCCGAAG	
Esd F	TCATAAATGCCAATTTCCCA	Ta = 60 °C (qRT-PCR)
Esd R	ATTGGAGCAAATGCTGACAC	
Lrch1 F	AATTTGCAGATGTTGACCCA	Ta = 60 °C (qRT-PCR)
Lrch1 R	CTTTGAGAGGCAGACCACAC	

**Supplement 9:** Primer sequences and PCR conditions for genomic and qRT-PCR