

**S10 Table. Primers of candidate genes.**

The primers of candidate genes for real-time polymerase chain reaction (RT-PCR) primers were designed based on the latest mouse genome (GRCm38/mm10) using Primer3 (<http://bioinfo.ut.ee/primer3-0.4.0/>) online. Primers were also designed for isoforms of certain candidate genes.

Mouse Genes	Forward Primer	Reverse Primer
<i>Ulk4</i>	TCTTGAAAGCCTCAAGAACA	AAAGGATGGTGTGGGATCTG
<i>Eya4</i>	GCTTTGAGCGAATAATGCAA	GTGCTTGATGTAGAGCCAAGAG
<i>Tcf21</i>	CTCCAAGCTGGACACTCTCA	TCACCACTTCCTTCAGGTCA
<i>Evx1</i>	CTTACCCGGGAGCAGATT	GCTGACGCTTGTCCCTCAT
<i>Hoxa1-1</i>	GCAGACCTTTGACTGGATGA	GCGCTCGTGTAAAGTACTTG
<i>Hoxa1-2</i>	CCCAGACGGCTACTTACCAG	GGAGAAGACGTCTCTGAAGCA
<i>Hoxa5</i>	GCGCAAGCTGCACATTAG	GGCATGAGCTATTTCGATCC
<i>Hoxa7</i>	AAGCCAGTTTCCGCATCTAC	GCTCTTTCTTCCACTTCATGC
<i>Hoxa9</i>	CCACGCTTGACACTCACACT	AGCGAGCATGTAGCCAGTT
<i>Hoxa10-1</i>	TCCAGCCCCTTCAGAAAACA	GCTACGGCTGATCTCTAGGC
<i>Hoxa10-2</i>	TCAAGGCAGTTCCAAAGG	TCACTTGCTGTCCGTGAGG
<i>Hoxa11</i>	GTCTTCCGGCCACACTGA	CAGTTGCAGACGCTTCTCTTT
<i>Igfbp3</i>	CGCAGAGAAATGGAGGACA	ACTTGTCACACACCAGCAG
<i>Cdh17</i>	CCAGTTACTTTCTGCCAGTGTG	CCAGTTACTTTCTGCCAGTGTG
<i>Gpr20</i>	GCGTGGAGAAGAATTCAAGC	TCCTAGAGCCTTGACCTTGA
<i>Plekhg1</i>	GTCAGCATAGGCCCAGTCA	CAGCCATCCTTCTGAGCTTT
<i>Frm3-1</i>	TCAGACACCAGAGTTTGAGCA	TCTTGACAACCTGAAGGCCAAT
<i>Frm3-2</i>	AATCCTGACCGGCCATATC	GGATGTGTCCTCCATGTGC
<i>Llph</i>	GAGATAGCAACCGTGGTGGT	TCATCCACACTGGGTACTGG
<i>Tmbim4</i>	TCTGGTTCTGCAAGCGTTTA	ACCAGCTCCATCGTCTCACT
<i>Hprt</i>	CAAACCTTGCTTTCCTGGT	CAAGGGCATATCCAACAACA