

**Table S1. Primers used in this study**

Gene symbol	Forward primer	Reverse primer
<i>Bcl6b</i>	ACTCCTCCGACGTGCTTAGC	GGCCCCGGAAAATTGAATAG
<i>Ccna1</i>	ATGCATCGCCAGAGCTCCAAGAG	GGAAGTGGAGATCTGACTTGAGC
<i>Clgn</i>	ATATGCGTTTCCAGGGTGTGGAC	GTATGCACCTCCACAATCAATACC
<i>Crem</i>	GATTGAAGAAGAAAAATCAGA	CATGCTGTAATCAGTTCATAG
<i>Ddx4</i>	GGTTGATCAGTTCTCGAG	GCTCAAACAGGGTCTGGGAAG
<i>Dmc1</i>	TTCGTA CTGAAAAACTCAGCTGTATC	CTTGGCTGCGACATAATCAAGTAGCTCC
<i>Etv5</i>	AACTTGGTGCTTCATGCTCC	ACTTAGCACCAAGAGCCTGC
<i>Hoxa4</i>	TGAGCGCTCTCGAACCGCTATACC	GATGGTGGTGTGGGCTGTGAGTTTG
<i>Hprt</i>	GCTGGTGAAAAGGACCTCT	CACAGGACTAGAACACCTGC
<i>Map2k1</i>	TTCTGACGCAGAAGCAGAAG	GATGATCTGGTTCCGGATTG
<i>Lhx1</i>	AGAGCGGAAGCAAAGTGTT	CTCTTTGGCGACACTGCTGTT
<i>Nanog</i>	AGGGTCTGCTACTGAGATGCTCTG	CAACCACTGGTTTTTCTGCCACCG
<i>Neurog3</i>	CACTCAGCAAACAGCGAAGAAG	GCAGGGTCTCGATCTTTGTAAGTT
<i>Piwill</i>	ATGATCGTGGGCATC	AGGCCACTGCTGTCATA
<i>Pou5f1</i>	AGCTGCTGAAGCAGAAGAGG	GGTTCTCATTTGTTGTCGGCT
<i>Prm1</i>	ACGAAGATGTGCGACGAGGAGG	CATCGGCGGTGGCATTTTTCAAGA
<i>Ret</i>	CTGACCATGGGTGACCTCATC	CAGCCCAAAGTCGGAAATCTT
<i>Sohlh1</i>	ACCCTAGCTGGGAGCAACTCT	CCCGAGACACAGCAGATGGT
<i>Sohlh2</i>	GGATTAAAGGCCCCGTTGTC	ATCGCTCTTCTCCCCTTGA
<i>Sox3</i>	GAGAACCCCAAGATGCACAAC	CCGGTACTTGTAGTCCGGGACT
<i>Syp1</i>	ATGGAGAAGCAAAGCCCTTC	TTTCTGCTTCAGTTCAGATTC
<i>Syp3</i>	GGTGGAAGAAAGCATTCTGG	CAGCTCCAAATTTTTCCAGC
<i>Taf4b</i>	CTCCAGTCCAGATCGTTACACAAC	TCAATGGTGAGGAATGGGAAA
<i>Tdgl</i>	ATGGACGCAACTGTGAACATGATGTTGCA	CTTTGAGGTCTGGTCCATCACGTGACCAT
<i>Zbtb16</i>	CGTGCGCAGCTATATTTGCA	TGGCTCTTGAGTGTGCTCTCA
<i>Zfp42</i>	AGAGAAGCCGTATCAGTGAC	CAATCTGTCTCCACCTTCAGC