

Table S1. Primer Sequences for RT-PCR

Gene	Ensembl or GenBank ID	Sequence 5'-3'
<i>oct4 (cPouV)</i>	ENSGALT00000043197	F, CAATGCAGAGCAAGTGCTGG R, TCTGGAGCTGAAGCTGTTTG
<i>nanog</i>	ENSGALT00000044516	F, TTTCAGAGCCAGAAGTACCTC R, GTCATATCCAGATACGCAGC
<i>lin-28a</i>	ENSGALT00000000529	F, GGGTCTGTTTCCAACCAGCAGT R, ATCGACGGGTGAGTCCAGCAT
<i>sox2</i>	ENSGALT00000014379	F, ACCCTTCATTGACGAAGCC R, TAACTGTCCATCCTCTGGTTC
<i>klf4</i>	ENSGALT00000042652	F, AAGAACAGCCACTCACACCTG R, AAATGCTCTGTACACCGCTG
<i>c-myc</i>	ENSGALT00000026309	F, CCACGACCAGCAGCGACT R, CGCAGGGCAAAGAACTCAG
<i>rdh10</i>	ENSGALG00000015640	F, AGGAATGTTTCAGAGGGTGCAGGAT R, ATACATGAGGCGAGGTGTGCAGAT
<i>mitf</i>	ENSGALT00000012448	F, AAAGCATGCCTCCTCCAGGACTTA R, TTGGGTATCAAGGTGCCAGTTCT
<i>gapdh</i>	ENSGALG00000014442	F, TCCAAACTCATTGTCATACCAGGAA R, ACCACTGTCCATGCCATCACAGCC

Table S2. Primer Sequences for RT-qPCR

Gene	Ensembl or GenBank ID	Sequence 5'-3'
<i>sox2</i>	ENSGALT00000014379	F, TGAACGGATCGCCTACCTAC R, CTGGATTCCGTCTTGACCAC
<i>c-myc</i>	ENSGALT00000026309	F, CAGCAGCGACTCGGAAG R, CTTCTGTGCTGGACTCTGTG
<i>klf4</i>	ENSGALT00000042652	F, ACCAAGAGCTCTCATCTCAAGGCA R, ATCAGATCGGGCAAACCTCCATCC
<i>mitf</i>	ENSGALT00000012448	F, ACATCAGCAACTCCTGTCCA R, TTGCCTCTCCTTAGCCAGTG
<i>tyr</i>	ENSGALT00000027865	F, TTTGCTGATCCACACACTGC R, GATCATTTCGAGAGCCTTGT
<i>ascl1 (CASH-1, ash1)*</i>	NM_204412.1	F, TCAACTTCAGCGGCTTCCG R, AGGTTACCAGCTTGACTCG
<i>chx10 (vsx2)*</i>	ENSGALT00000016606	F, GACCGCAAAATGTCCAAATC R, GCCTTTTCCAGTCTTCCAG
<i>six3</i>	NM_204364.1	F, CCCACGAAGAGTTGTCAAT R, TATGTCTCCGGTCTCCTCCA
<i>six6 (optx2)*</i>	ENSGALT00000037367	F, CCACACGGGGAAGTACAGAG R, GCTTCCAGCCAGAGAGCTT
<i>lhx2</i>	ENSGALT00000001693	F, CTGCAATGAAAACGATGGTG R, GGTGGTGTGTTGAATGATGTCC
<i>rx1</i>	ENSGALT00000032299	F, CCCACTACCCGACGTGTA R, CTGGCCTCCATCTTCTCCTG

Table S2. Primer Sequences for RT-qPCR

Gene	Ensembl or GenBank ID	Sequence 5'-3'
<i>pax6 5a+</i>	ENSGALT00000019804	F, GGCAGAAGATCGTGGAAGCTC R, CAGCACTTGGACTTTTGCAT
<i>pax6 5a-</i>	ENSGALT00000019805	F, GGCAGAAGATCGTGGAAGCTC R, TTCGTAATACCTGCCCAAAA
<i>lin-28a</i>	ENSGALT00000000529	F, ACTCACCCGTCGATGTCTTC R, TGGAGGATTTCTTGAAGGTGA

*Alternative names in parenthesis.

Table S3. Primer Sequences for *lin-28* cloning (NCBI Accession number NM_001031774)

Sequence 5'-3'
F, GGATGGGGTCTGTTTC
R, TGCCATCATTCCCGGGTT