

Table S1. Real-time PCR primers

Gene	Forward	Reverse
Arr3	TGACTTGGATGTGATTGGTCTGA	GGAGCCACTTGCTTGGTTTG
Calb1	CACATGTAAGTCTGTTTCGTGTATCCTT	TCACAATAAAGAATCCAGGCAATTAA
Chx10	TGAGGCAAGGCCCATGTC	CGGGAGTATGTCCAGGATGTCT
Crx	TCTGTGTGTTACAGACATGACCACTAA	CATCAAGCTTCTTTTGCATTTTGT
GAPDH	CTCCACTCACGGCAAATTCA	CGCTCCTGGAAGATGGTGAT
Glutamine Synthetase	GGTGCCAAGTTTGAGTGATGAG	ACTTTCCCGGTACTGCATCCT
Hells	CCATTGCCAAGTTTATCAGTGTT	CTGAAGTCCAAATCCCATGAATT
Hes1	AGAGCCTCAGGCCACTGCTA	TTCGTTTTTAGTGTCCGTCAGAAG
Lhx1	GCTACGGGAACCATTTGTCTCA	GCGAGACCCCGCTACCA
Nr2e3	AGGCTGGAAGTTGAACAAAAGC	TCCAGTCTCCCTCCTTTCC
Pax6	CACCGCCCTCACCAACAC	AGGTTGTTTGCCATGGTGAAG
Prkca	CGCGAGGACAGCCTGTCT	AGAACCCTTCAAATCAGATTGGT
Prox1	TTAGAACAGGCTCGTGGTGAGA	TGAAGCAAAGTAAATAGCAACTAGTGACA
Rcvrn	GCAGCTTCGATGCCAACAG	TCATGTGCAGAGCAATCACGTA
Rho	AGCAGCAGGAGTCAGCCACC	CCGAAGTTGGAGCCCTGGTG
Atrx	TTATGAATAGACGGCTCCAGC	GCTGGTAGTTAGAAGGAGTCATG
Top2a	GTGGACTTGGAAGACACGATAG	GTCAGAGGTTGAGCACTGTATC
human HELLS promoter	CCTGAGAGAGGTCCAGGTAAG	CTGTCATCTCGGATACCTTAC
mouse Hells promoter	GAACAACCTCGGGACCATCATT	CTAGCTCCAGCCTTGAATGTC
E2f1	GCTGGAGAAACAGTCCCTTTGT	ACGTACCCTCCCCATCTCAGA
Cdc6	TTTCATCTGAGCCCCTCTTTC	TGCCCTTCCCTCAAAAC
Mcm4	AGAGCCTAAGCCCAGTTTTG	CACAGTAAGGACATAGCCTCTAC
Pcna	GGCTCCCAAGATTGAAGATGAG	GGTGACAGAAAAGACCTCAGG
Ccnb1	GTAACATAGTCATTCCCTCGGTG	GTCAGAATTCAAAGCACACCC
MKi67	GTCATGAGGAAGATCACCAGG	GCTTTATTGGATAGGACAGAGGG