

Supplementary Table S2. Genes analyzed by RT-PCR

Gene information, retinal expression, primer and pcr information for genes analyzed using RT-PCR. All primer pairs span introns. Accession numbers indicate sequences used to design primer pairs.

Gene (name)	Retinal expression	Forward Primer (5'-3')	Reverse Primer (5'-3')	Anneal temp (°C)	Product Size (bp)	Accession Number
<i>Aif1 / Iba1</i> (allograft inflammatory factor 1)	microglia	CTGGAGAACTTGGGGTTCC	GACATCCACCTCCAATCAGG	60	240	NM_019467
<i>Cabp5</i> (calcium binding protein 5)	bipolar cells	GATTGGTGTCAGGAGATGC	AAGGCAGCAGGTGTCTGG	60	245	NM_013877
<i>Calb1</i> (calbindin)	horizontal cells	AGCTGGAAGTACAGAGATGG	CACACAGATCTTCAGCAAAGC	60	177	NM_009788
<i>Car14</i> (carbonic anhydrase 14)	Müller glia	GATGCTGGGTCTAGGTGTGG	GTTCCACGCCTCTGTGGTAGC	60	150	NM_011797
<i>Ccnd1</i> (cyclin D1)	Retinal progenitors Müller glia following injury	GCACAACGCACTTTCTTTCC	CAGCCTCTTCCTCCACTTCC	61	162	NM_007631
<i>Clu</i> (clusterin)	Müller glia	GTGCTACTGAGGTGGTGGTG	GATTCCCTCCCAGACACTCC	60	196	NM_013492
<i>Crx</i> (cone rod homeobox)	cone, rod photoreceptors	GGATGTGTATGCACGTGAGG	GTAGAGGGTCTCGGGGATGT	60	296	NM_007770
<i>Dkk3</i> (Dickkopf 3)	Müller glia RGC	CTGCTGGATCTCATCACCTG	TCCCCTATGAAGCCAACATC	60	206	NM_015814
<i>Fgf15</i> (fibroblast Growth Factor 15)	Retinal progenitors	GAAGACGATTGCCATCAAGG	GTCCTGGAGCTGTTCTCTGG	60	208	NM_008003
<i>Gfap</i> (glial fibrillary acidic protein)	activated Müller glia; astrocytes	AAGCTCCAAGATGAAACCAACCTGA	CTTGCCACATCCATCTCCA	60	225	NM_010277
<i>Glu1</i> (glutamine synthetase; GS)	Müller glia	GGATAGCCCGTTTTATCTTGC	GTGGTACTGGTGCCTCTTGC	60	197	NM_008131
<i>Gnl3</i> (nucleostemin)	Retinal progenitors	AGACAAACAGGATGCTGACG	CTTGACTCGCTCTATCCAAGG	60	195	NM_153547
<i>Grm6</i> (metabotropic glutamate receptor 6; mGluR6)	ON-bipolar cells	TACGGTGTATGCCATCAAGG	CAGTCAGTGTGGTCGTTTGG	60	170	NM_173372
<i>Hes1</i> (hairy-enhancer of split homolog 1)	Retinal progenitors (Müller cell differentiation)	TGAAAACACTGATTTTGGATGC	GTGTTAACGCCCTCACACG	60	229	NM_008235
<i>Msi1</i> (musashi1)	Retinal progenitors Müller cells, astrocytes, oligodendrocytes	GGGTCAGCAGTTACATCAGC	TTGAGGGACAGGCAGTAGC	58	182	NM_008629
<i>Nes</i>	neural stem cells;	GATCGCTCAGATCCTGGAAG	GTGCTGGTCTCTGGTATCC	60	199	NM_016701

(nestin)	Müller glia						
<i>Opn1mw</i> (m cone opsin)	cone photoreceptors	TTGTCATGCTTTGCTACTGC	AGCTTTGATGGATGGGACAG	60	218	NM_008106	
<i>Opn4</i> (melanopsin)	photo-sensitive retinal ganglion cells	GACCTCAGCTGGATCTCTGG	AGGACTGTCCACTTGCTTGC	60	124	AF147789	
<i>Pax6</i> (paired box gene 6)	Retinal progenitors RGC, amacrine	CACATCAGGTTCCATGTTGG	ACTTGGACGGGAAGTACAC	60	294	NM_013627	
<i>Pax2</i> (paired box gene 2)	retinal astrocytes	CGTGATATGACGAGCACCAC	ACTTAGTAAGGCGGGGTTGC	60	189	NM_011037	
<i>Pou4f3</i> (Pou domain, class 4 transcription factor 3; Brn3c)	retinal ganglion cells	TGCAAGAACCCAAATTCTCC	TGGGCGAGGTAGAAGTGC	60	234	NM_138945	
<i>Rax</i> (retinal and anterior homeobox gene)	Retinal progenitors (immature rods)	AGGAGAGGAGGGGAGAATCC	CCTTCGAGAAGTCCCACTACC	60	224	NM_013833	
<i>Rlbp1</i> (cellular retinaldehyde binding protein; CRALBP)	Müller glia; immature retinal astrocytes	TGCTGGAAAATGAGGAAACC	CAAGAAGGGCTTGACCACAT	60	214	NM_011254	
<i>Rho</i> (rhodopsin)	rod photoreceptors	TCTGCTGGCTTCCCTACG	ATCTCCCAGTGGATTCTTGC	60	203	NM_145383	
<i>Rplp0</i> (acidic ribosomal phosphoprotein P1)	all cells normalizer	CGACCTGGAAGTCCAACACTAC	ATCTGCTGCATCTGCTTG	60	109	NM_022402	
<i>Six3</i> (sine oculus homeobox 3)	Retinal progenitors RGC, some INL cells scattered ONL cells	CTCACCCCCACACAAGTAGG	TACCGAGAGGATCGAAGTGC	60	237	NM_011381	
<i>Sfrp2</i> (secreted Frizzles-related protein 2)	Retinal progenitors	CAAGAATGAGGACGACAACG	ACAGCACGGATTTCTTCAGG	60	182	NM_009144	
<i>Vim</i> (vimentin)	Müller glia astrocytes	ACGGTTGAGACCAGAGATGG	TGCTGGTACTGCACTGTTGC	60	104	NM_011701	