

Supplementary Materials

Supplementary Table S4: qPCR primers and antibodies used in this study.

qPCR primers used in this study

Gene	Forward primer	Reverse primer
<i>GAPDH</i>	CATGAGAAGTATGACAACAGCCT	AGTCCTTCCACGATACCAAAGT
<i>RHO</i>	TCTCAACTACATCCTGCTCAACC	GGACCACAGGGCAATTTACAC
<i>RCVRN</i>	GGTAACGGGACCATCAGCAA	TCTTCTCGGCTCGCTTTTCC
<i>CRX</i>	GCCCCACTATTCTGTCAACGC	CTTGAACCAAACCTGAACCCTG
<i>CHX10</i>	AGCTAGAGGAGCTGGAGAAG	CATGATGCCATCCTTGGCTG
<i>OTX2</i>	AGCCCTCACTCGCCACATCT	CACGGAGGGGTGCAGCAAGTC
<i>ASCL1</i>	CGGCCAACAAGAAGATGAGT	TGGAGTAGTTGGGGGAGATG
<i>PTBP1</i>	CTCCGCCATTTTGTGAGTCTA	CGCTTTGTACCAACGGCTAT
<i>GRM4</i>	TGAGGGTGCTGTCACGATCC	ACGTGGCTGCCCTTCTTGAG
<i>GLUD2</i>	CACTCTGCCTTGGCATAAC	CTCAGGTCCAATCCCAGGTT
<i>ACTB</i>	CATCGAGCACGGCATCGTCA	TAGCACAGCCTGGATAGCAAC
<i>BMP4</i>	CTTTACCGGCTTCAGTCTG	GGGATGCTGCTGAGGTTAAA
<i>SMAD3</i>	CATCGAGCCCCAGAGCAATA	GTGGTTCATCTGGTGGTCACT
<i>COL1A1</i>	AGGGCCAAGACATC	AGATCACGTCATCGCACAACA
<i>SMAD7</i>	GAATCTTACGGGAAGATCAACCC	CGCAGAGTCGGCTAAGGTG
<i>TGFB1</i>	CCCTGGACACCAACTATTGC	TGCGGAAGTCAATGTACAGC

Antibodies used in this study

Antibodies	Species	Dilution	Manufacturer	Catalogue Number
TUJ1	Rabbit	1:500	Millipore	MAB1637
MAP2	Rabbit	1:1000	Chemicon	AB5622
RHODOPSIN	Mouse	1:200	Millipore	MAB5316
RHODOPSIN	Rabbit	1:100	Abcam	ab155097
RECOVERIN	Rabbit	1:1000	Millipore	AB5585
RECOVERIN	Rabbit	1:100	Assaypro	12151-05061
CRX	Sheep	1:100	R&D Systems	AF7085
Human Nuclear Antigen (HNA)	Mouse	1:200	Novus Biologicals	NBP2-34342
PTBP1	Rabbit	1:500	ABclonal	A607
OPN1SW	Goat	1:200	Santa Cruz Biotechnology	sc-14363
Beta Actin	Rabbit	1:1000	Abcam	Ab8227
Cy™2 AffiniPure Goat Anti- Rabbit IgG	Goat	1:600	Jackson ImmunoResearch Labs	111-225-144
Cy™2 AffiniPure Goat Anti-Mouse IgG	Goat	1:600	Jackson ImmunoResearch Labs	115-225-146
Cy™3 AffiniPure Donkey Anti-Rabbit IgG	Donkey	1:600	Jackson ImmunoResearch Labs	711-165-152
Cy™3 AffiniPure Donkey Anti-Mouse IgG	Donkey	1:600	Jackson ImmunoResearch Labs	715-165-151
Cy™3 AffiniPure Donkey Anti-Sheep IgG	Donkey	1:600	Jackson ImmunoResearch Labs	713-165-147
Cy™3 AffiniPure Donkey Anti-Goat IgG	Donkey	1:600	Jackson ImmunoResearch Labs	705-165-003
HRP Goat Anti-Rabbit IgG	Goat	1:10000	Jackson ImmunoResearch Labs	111-035-003
HRP Goat Anti-Mouse IgG	Goat	1:10000	Jackson ImmunoResearch Labs	115-035-003