

Table 1. Antibodies used in the present study

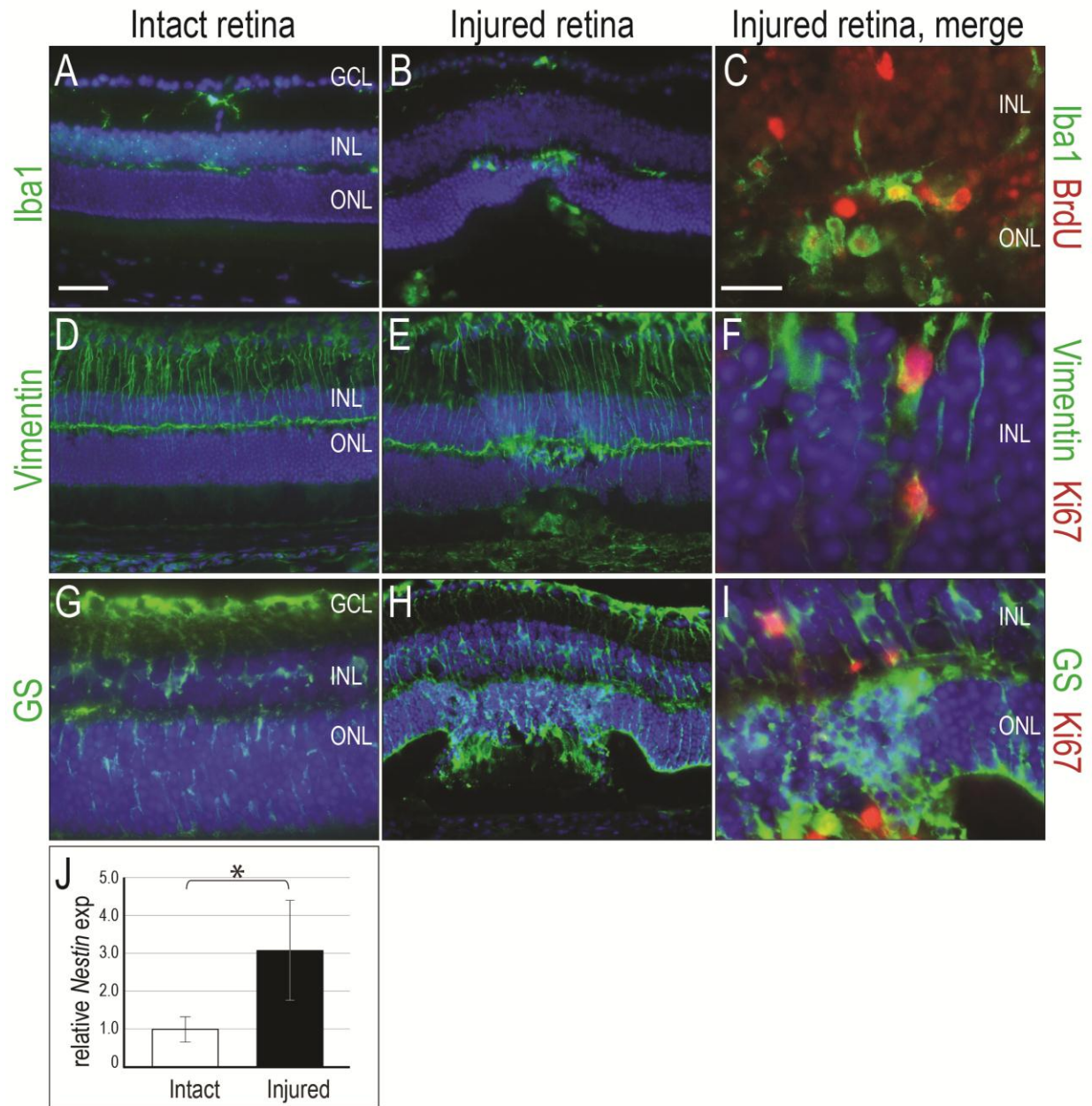
Antigen	Antiserum	source	dilution
beta Galactosidase	chick anti-beta Galactosidase	Abcam	1:500
Pax6	rabbit anti-Pax6	Covance	1:500
Vimentin	chick anti-Vimentin	Millipore	1:500
Glutamine synthetase	mouse anti Glutamine Synthetase	Millipore	1:500
Nestin	mouse anti-Nestin	Millipore	1:300
GFAP	mouse anti-GFAP	Cell signaling technology	1:500
Ki67	rabbit anti-Ki67	Thermo Scientific	1:400
Sox9	goat anti-Sox9	Santa Cruz	1:50
Rhodopsin	mouse anti-Rhodopsin	Thermo Scientific	1:200
Iba-1	rabbit anti-Iba-1	Wako	1:1000

## SUPPLEMENTAL TABLE 1

Table 2. Primers for quantitative Real-time polymerase chain reaction

Gene targeted	Sense	Antisense
beta-actin	5'-GGAATGGGTGTCAGAAGGACTC-3'	5'-CATGTCGTCCCAGTTGGTAA-3'
Norrin	5'-GCTGGCCATAATGGGAGATA-3'	5'-TTTCTTGCCAGTCCGCTCTCT-3'
Wnt1	5'-CAGACTCTTGAATCCGTCAA-3'	5'-GCCTGGGAAGTCCGCATCA-3'
Wnt2b	5'-TCTAGGAGACGCCTGAGGAA-3'	5'-CACTACAGCCACCCCAGT-3'
Wnt3a	5'-CCCTTTCCAGTCCTGGTGTA-3'	5'-AATCCAGTGGTGGGTGGATA-3'
Wnt4	5'-AAGAGGAGACGTGCGAGAAA-3'	5'-GACGTCCACAAAGGACTGT-3'
Wnt5b	5'-TTCCACTGGTGTGCTTTG-3'	5'-ACACTCATCTTCCCCACAGG-3'
Wnt6	5'-CAACGACGGCAAAGCTC-3'	5'-ACCCATCCATCCCAGTAAT-3'
Wnt8b	5'-GGATCGCTTACACACCAAGGT-3'	5'-CAGGCAGTAGTCTGGGGAGT-3'
Wnt9a	5'-AGGCAGTGAACCCCTGACTA-3'	5'-CCTCGGCCACAACAAACT-3'
Wnt10a	5'-CCTGTGCAATAAGAGCAGCA-3'	5'-CAGCTTCAGTGCATTGCCTA-3'
Wnt11	5'-CACTGGTGCTGCTACGTAC-3'	5'-CCCCAAAGGAAAAAGCTGT-3'
Axin2	5'-TTGATAAGGTCTGGCAACTC-3'	5'-GCGAACGGCTGCTTATTT-3'
CyclinD1	5'-CATCGAACACTTCTCCTCCA-3'	5'-TGAACCTCACATCTGTGGCA-3'
GFAP	5'-GTGCTCCAGCTCTCCCTTAG-3'	5'-CTGGGAGGAAGAAGACAAGC-3'
Nestin	5'-CTCGGGAGAGTCGCTTAGAG-3'	5'-CACAGCCAGCTGGAACTTT-3'

## SUPPLEMENTAL TABLE 2



SUPPLEMENTAL FIGURE 1

## Supplemental Figure 1

**Glial cells proliferate following acute injury.** (A) In the intact retina, Iba1 expression is limited to the IPL and OPL (n=3). (B) After injury, Iba1<sup>+</sup> microglia migrate into the injured ONL and RPE (n=3). (C) On post-injury day 2, Iba1<sup>+</sup> microglia in the retina are BrdU<sup>+</sup> (n=3). (D) In the intact retina, Vimentin labels Müller glial projections (n=4). (E) After injury, Vimentin expression is up regulated in the ONL (n=3). (F) On post-injury day 2, some cells are both Vimentin<sup>+</sup> and Ki67<sup>+</sup> (n=3). (G) In the intact retina, Müller glial cells express GS (n=3) and (H) following injury, GS expression is elevated (n=3). (I) On post-injury day 2, some Ki67<sup>+</sup> cells co-localize with GS immunostaining in the injury site (n=3). (J) qRT-PCR analyses show GFAP, and Nestin expression are significantly up regulated in the neural retina after injury (n = 3, \**P* < 0.05). Scale bars: (A, B, D, E, G, H) 50 µm; (C, F, I) 25 µm.