

Supplementary Table 2: Comparison of gene expression changes for RGCs subjected to axotomy plus lens injury vs. axotomy alone

Name	Axot+LI:Axot ratio	Probes
SOCS-3 (cytokine signaling)	6.9	1377092_at
sphingosine kinase 1	5.8	1368254_a_at
C/EBP- δ (transcription)*	4.8	1387343_at
NARP*	4.4	1373559_at
4-hydroxyphenylpyruvic acid dioxygenase	4.2	1368188_at
Myxovirus (influenza virus) resistance 3	3.9	1387283_at
Best5 protein	3.8	1370913_at
SPRR1 (axon growth, cytoskeleton)*	3.3	1371248_at
GAP-43 (axon growth, plasticity)*	3.2	1367930_at
iGb3 synthase	3.1	1370561_at
Serine protease inhibitor	3.1	1368224_at
tissue inhibitor of metalloproteinase 1	2.9	1367712_at
Cholecystokinin	2.9	1387032_at
Peripherin	2.7	1368028_at
6-phosphofructo-2-kinase	2.7	1390391_at
Galanin (neuropeptide)	2.6	1387088_at
GFAP	2.6	1368353_at
serine (or cysteine) proteinase inhibitor, G-1	2.5	1372254_at
STAT1	2.4	1372757_at
Galectin3	2.4	1387946_at
Calbindin 1	2.4	1370201_at
Neuronatin	2.3	1369999_a_at
Small cell adhesion glycoprotein (smagp)	2.3	1372734_at
Flotillin 2/reggi1	2.3	1367746_a_at
Retinol-binding protein 1	2.2	1367939_at
SAPK β	2.2	1369102_at
glutamate receptor, ionotropic, AMPA1 (α -1),	2.1	1373783_at
Syntaxin 2	2.1	1368352_at
protein tyrosine phosphatase, non-recept., type 5	2.1	1368421_at
vitamin K epoxide reductase complex subunit 1	2.0	1388330_at
ADAMTS-1 (metalloproteinase)	1.9	1368223_at
acetylcholinesterase	1.9	1371793_at
MAPK10	1.8	1377059_at
MnSOD (SOD2)†	1.8	1370172_at
retinoic acid inducible protein 3	1.8	1376828_at
Importin β -3 subunit (Karyopherin β -3 subunit)	1.8	1373955_at
cysteine-rich protein 3/LIM	1.8	1398243_at
β -spectrin 3	1.8	1367812_at
cornichon-like protein	1.8	1373747_at
p53-activated gene 608	1.8	1387021_at
ASCT2 (Na ⁺ -dependent amino acid transporter)	1.8	1371040_at
Fatty acid amide hydrolase	1.8	1368717_at
Arginase 1	1.8	1368266_at
Monocarboxylate transporter	1.8	1368965_at

synuclein β	1.8	1369924_at
Arylsulfatase B	-1.8	1375412_at
Macrophage colony-stimulating factor 1 receptor	-1.8	1388784_at
Transforming growth factor, β receptor I (Tgf β r1)	-1.8	1376636_at
neuritin	-1.8	1386969_at
corticotropin releasing hormone	-1.9	1369303_at
Heparan sulfate 3-O-sulfotransferase 2	-1.9	1374046_at
Caveolin-1	-1.9	1372111_at
130kDa-Ins(1,4,5)P3 binding protein	-1.9	1368700_at
Pervin	-2.0	1368485_at
Complement component factor h	-2.1	1387029_at
Small inducible cytokine A4 (MIP-1 β)	-2.1	1370832_at
Annexin III (Lipocortin III)	-2.2	1367974_at
Cathepsin S	-2.5	1387005_at
D3 (Deiodinase, iodothyronine, type 3)	-2.7	1387509_at
Small inducible cytokine A3 (MIP-1 α)	-3.0	1369815_at
purinergic receptor P2Y, G-protein coupled-12	-3.8	1380822_at
