

**Appendix 2. Genes with fold change >2 and p < 0.05 in retina after radiated injury of ipsilateral intraorbital optic nerve**

<b>Probe ID</b>	<b>Symbol</b>	<b>p-value</b>	<b>Fold Change</b>
MmugDNA.35779.1.S1_at	RFRP	0.047367	9.552766
MmuSTS.3317.1.S1_at	MCP-1	0.018158	8.251426
Mmu.10083.1.S1_s_at	LOC574106	0.02955	8.183628
MmuSTS.686.1.S1_at	IL7	0.024194	7.310441
MmugDNA.2178.1.S1_s_at	MAMU-A	0.04623	5.672874
MmugDNA.19865.1.S1_s_at	IFITM3	0.016043	5.4980116
MmuSTS.2397.1.S1_s_at	LOC694684	0.029788	5.34805
MmuSTS.3006.1.S1_at	MX1	0.007514	4.9953976
MmugDNA.29742.1.S1_s_at	LOC715410	0.020149	4.6623335
Mmu.3346.2.S1_at	CP	0.042674	4.5019836
MmuSTS.4827.1.S1_at	GFAP	0.037409	4.4226785
Mmu.10195.2.S1_x_at	MAMU-I	0.030453	4.3039813
MmuSTS.695.1.S1_at	LOC709042	0.007358	4.1590195
MmugDNA.17118.1.S1_at	ISG15	0.000428	4.106145
MmugDNA.12415.1.S1_at	LOC710396	0.00752	3.9295232
MmugDNA.3158.1.S1_at	CCL8	0.007742	3.9127321
MmuSTS.1168.1.S1_at	LOC703401	0.048289	3.8943276
MmugDNA.13395.1.S1_at	LOC719253	0.047555	3.8592944
MmugDNA.42724.1.S1_at	PSD2	0.020929	3.7879624
Mmu.11363.1.S1_at	CXCL10	0.014845	3.7878022
MmugDNA.30929.1.S1_at	NLRC5	0.031157	3.6456864
MmunewRS.536.1.S1_at	LOC719379	0.017334	3.6398203
MmugDNA.32666.1.S1_s_at	LOC710110	0.032854	3.6089394
MmugDNA.24962.1.S1_at	IFIT3	0.012469	3.4729981
MmuSTS.2736.1.S1_at	SERPING1	0.048557	3.4054809
MmugDNA.24030.1.S1_at	LOC574097	0.03456	3.3869123
MmugDNA.22932.1.S1_at	LOC703405	0.029229	3.3558946
MmugDNA.5715.1.S1_at	TIMP-1	0.013539	3.2303329
MmugDNA.18647.1.S1_s_at	HAMP	0.022491	3.2058258
MmunewRS.254.1.S1_at	IFI27	0.031803	3.1604073
MmugDNA.29934.1.S1_at	LOC714577	0.043867	3.1237357
MmuSTS.3361.1.S1_at	LOC702435	0.033364	3.106261
MmuSTS.713.1.S1_at	LOC697698	0.033536	3.0879683
MmugDNA.7052.1.S1_at	LOC705561	0.011223	3.0696383
MmugDNA.16474.1.S1_at	LXN	0.024793	2.9766645
MmugDNA.33060.1.S1_x_at	LILRBA//LIL RBB	0.038861	2.9071012
MmuSTS.1398.1.S1_at	C1S	0.040186	2.8921256

Mmu.12385.4.S1_x_at	KRT18///SLC 2A3	0.001819	2.8753278
MmuSTS.3682.1.S1_x_at	IFI44	0.016374	2.8463824
Mmu.12385.2.S1_x_at	LOC696824	0.044229	2.8456938
MmugDNA.25704.1.S1_at	KLHL29	0.013017	2.8389769
MmuSTS.4428.1.S1_at	LOC702381	0.039997	2.8311377
MmugDNA.18450.1.S1_s_at	FAS	0.033939	2.807665
MmugDNA.12881.1.S1_at	CH25H	0.03629	2.7873566
MmugDNA.23069.1.S1_at	GADD45B	0.047596	2.6205492
MmugDNA.19553.1.S1_at	DDB2	0.040009	2.605229
MmugDNA.19209.1.S1_s_at	LCN2	0.034085	2.5766118
MmugDNA.20334.1.S1_at	B2M	0.019712	2.5414681
MmugDNA.32059.1.S1_at	LOC707078	0.009829	2.534519
MmugDNA.167.1.S1_at	GPX1	0.019012	2.5197265
Mmu.7639.1.S1_at	STAT1	0.015821	2.5109425
MmugDNA.9854.1.S1_at	LOC722251	0.034973	2.4820948
MmuSTS.2320.1.S1_at	LOC709827	0.048382	2.458937
MmunewRS.816.1.S1_s_at	IGJ	0.025913	2.4564154
MmugDNA.19214.1.S1_at	VTN	0.005182	2.398215
Mmu.11584.1.S1_at	LOC719092	0.001723	2.384892
MmuSTS.4202.1.S1_at	GALNT14	0.014859	2.3436007
MmugDNA.21336.1.S1_at	LOC708602	0.038732	2.3290195
MmugDNA.23090.1.S1_at	RERG	0.01588	2.307244
MmugDNA.20819.1.S1_at	LOC712342	0.000369	2.2739472
MmugDNA.36297.1.S1_at	IFIH1	0.002701	2.255133
MmugDNA.34656.1.S1_at	BTN3A3	0.025969	2.2502644
MmugDNA.1081.1.S1_at	LOC717726	0.008181	2.2346044
MmugDNA.34704.1.S1_at	PCNX	0.015962	2.2135916
MmugDNA.19587.1.S1_at	IFITM1	0.019285	2.203279
MmugDNA.30921.1.S1_at	LOC705525	0.037143	2.2015445
MmuSTS.1378.1.S1_at	BDNF	0.044726	2.1950967
MmugDNA.24748.1.S1_at	XPO4	0.004641	2.1646085
Mmu.6085.2.S1_x_at	LOC720309	0.01267	2.1348197
MmugDNA.25916.1.S1_at	LOC713232	0.034745	2.1315398
MmugDNA.32391.1.S1_at	LOC713786	0.041457	2.1194763
MmuSTS.704.1.S1_at	IRF1	0.046133	2.1032486
MmuSTS.1439.1.S1_at	LGALS3BP	0.024364	2.101999
MmugDNA.37742.1.S1_at	OSMR	0.024533	2.0958362
MmugDNA.34.1.S1_at	BLNK	0.030929	2.0769105
Mmu.2177.1.S1_x_at	MAMU-B18	0.032991	2.0537987
MmugDNA.36516.1.S1_at	GNPAT	0.030836	2.0419981
MmugDNA.21540.1.S1_at	SRGN	0.000784	2.0304627
MmugDNA.7493.1.S1_at	LOC703060	0.048144	2.0293787
MmugDNA.5435.1.S1_s_at	LOC708207	0.018772	2.0179625

MmugDNA.38985.1.S1_at	CLDN18	0.031328	-2.1658938
MmugDNA.6415.1.S1_at	LOC707236	0.008146	-2.4144444