

SuppTable1A.xls

Supplementary Table 1A. Genes found to be upregulated in Basal Forebrain by at least 50% in response to PGD₂ (N=86).

Probeset Name	Fold Difference	Gene Name	Genbank #
AF007583_at	—	Collagen-like tail subunit of asymmetric acetylcholinesterase	AF007583
D00913_at	—	ICAM-1; Rattus sp. mRNA for intercellular adhesion molecule-1, complete cds.	D00913
D44591_s_at	—	Nitric oxide synthase 2, inducible	D44591
D83661_s_at	—	Nitric oxide synthase 2, inducible	D83661
E01884cds_s_at	—	DNA sequence coding for rat IL-1-beta(interleukin-1 beta).	E01884
M26744_at	—	Interleukin 6	M26744
M31837_at	—	Insulin-like growth factor binding protein 3	M31837
M34253_at	—	Interferon regulatory factor 1	M34253
M54987_at	--	Rat corticotropin releasing hormone (CRH) gene, complete cds.	M54987
M86389cds_s_at	—*	Heat shock 27kDa protein 1	M86389
rc_AA818604_s_s_i	--	LOC361797	AA818604
S67770_at	--	Transforming growth factor, beta receptor II	S67770
S77528cds_s_at	—	NFIL-6; Rattus sp. C/EBP-related transcription factor (Nfil6) mRNA, complete cds.	S77528
U22414_at	—	Chemokine (C-C motif) ligand 3	U22414
U45965_at	—	Chemokine (C-X-C motif) ligand 2	U45965
U48829_s_at	—	Nitric oxide synthase 2, inducible	U48829
X03347cds_g_at	—	polyprotein gag-fos-p75; FBR murine osteosarcoma, complete proviral sequence	X03347
X69903_at	—	Interleukin 4 receptor	X69903
Z75029_s_at	—	Heat shock 70kD protein 1A	Z75029
M98820_g_at	10.60^	Interleukin 1 beta	M98820
AF021935_at	9.00	Ser-Thr protein kinase related to the myotonic dystrophy protein kinase	AF021935
X17053mRNA_s_s_f	8.83	Rat immediate-early serum-responsive JE gene.	X17053
AF053312_s_at	7.65	Small inducible cytokine subfamily A20	AF053312
L16764_s_at	7.52	Heat shock 70kD protein 1A	L16764
J02722cds_at	7.47	heme oxygenase; Rat heme oxygenase gene, complete cds.	J02722
rc_AA998683_g_s_i	7.06*	Heat shock 27kDa protein 1	AA998683
X60769mRNA_at	6.61	CCAAT/enhancer binding protein (C/EBP), beta	X60769
J04563_at	4.55	putative; Rat cAMP phosphodiesterase mRNA, 3' end.	J04563
X91810_at	3.80	Signal transducer and activator of transcription 3	X91810
X17053cds_s_at	3.77	Rat immediate-early serum-responsive JE gene.	X17053
J05122_at	3.67	Benzodiazepin receptor	J05122
rc_AI179610_at	3.42	Heme oxygenase 1	AI179610
M29866_s_at	3.27*	Complement component 3	M29866
M34253_g_at	3.11	Interferon regulatory factor 1	M34253
U03699complete_	2.99	Nitric oxide synthase 2, inducible	U03699
M91590_at	2.98^	Arrestin, beta 2	M91590
X54686cds_at	2.95	R.norvegicus pJunB gene.	X54686
L22558_at	2.85*	5-hydroxytryptamine (serotonin) receptor 7	L22558
X52477_at	2.76*	Complement component 3	X52477
AJ222813_s_at	2.45	Interleukin 18	AJ222813
AF028784cds#1_	2.40	intermediate filament; Rattus norvegicus glial fibrillary acidic proteins alpha and delta	AF028784
U48596_at	2.38	Mitogen activated protein kinase kinase kinase 1	U48596
rc_AI102562_at	2.35*	Metallothionein	AI102562
M63122_at	2.33	Tumor necrosis factor receptor superfamily, member 1a	M63122
Y00497_s_at	2.33	Superoxide dismutase 2	Y00497
U77777_s_at	2.33	Interleukin 18	U77777
U42719_at	2.30	Complement component 4a	U42719
M34384_at	2.26	Nestin	M34384
U14647_at	2.26	Caspase 1	U14647
X54656_at	2.21	Glutamate receptor, ionotropic, AMPA3 (alpha 3)	X54656
rc_AI176658_s_a	2.16*	Heat shock 27kDa protein 1	AI176658
rc_AI071965_s_a	2.05	Rattus norvegicus cDNA clone UI-R-C2-nl-e-03-0-UI 3', mRNA sequence.	AI071965
D00913_g_at	2.03	ICAM-1; Rattus sp. mRNA for intercellular adhesion molecule-1, complete cds.	D00913
rc_AI009300_at	2.02	Preproenkephalin, related sequence	AI009300
L26267_at	1.95	Nuclear factor kappa B p105 subunit	L26267
U14647_g_at	1.88	Caspase 1	U14647
X87157_at	1.81	Neurolysin (metallopeptidase M3 family)	X87157

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M11794cds#2_f_:	1.80*	Rat metallothionein-2 and metallothionein-1 genes, complete cds.	M11794
rc_AI236828_s_a'	1.79	Signal transducer and activator of transcription 3	AI236828
AB011679_at	1.76	Tubulin, beta 5	AB011679
AF030091UTR#1_	1.76	Cyclin L	AF030091
X06769cds_g_at	1.75	unnamed protein product; c-fos protein (AA 1-380); Rat c-fos mRNA.	X06769
U90610_at	1.72	Chemokine receptor (LCR1)	U90610
L20822_at	1.71	Syntaxin 5a	L20822
D28560_at	1.69	Ectonucleotide pyrophosphatase/phosphodiesterase 2	D28560
S79676_s_at	1.68	IL-1 beta-converting enzyme; ICE; interleukin-1 beta-converting enzyme	S79676
M19257_at	1.67	Retinol binding protein 1	M19257
AF044910_g_at	1.67	Survival motor neuron	AF044910
E13732cds_at	1.67	cDNA encoding rat CC chemokine receptor protein.	E13732
M31076_at	1.67	Transforming growth factor alpha	M31076
M23697_at	1.62	Plasminogen activator, tissue	M23697
X66022mRNA#3_i	1.61	Neuronal d4 domain family member	X66022
AJ132230_g_at	1.60	Bradykinin receptor B1	AJ132230
U66478_at	1.60	MAD homolog 1 (Drosophila)	U66478
D28560_g_at	1.58	Ectonucleotide pyrophosphatase/phosphodiesterase 2	D28560
rc_AI171166_at	1.57	Suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein	AI171166
U23056_at	1.55	C-CAM4 protein	U23056
Y09507_at	1.55	Hypoxia inducible factor 1, alpha subunit	Y09507
U59801_at	1.54	Integrin alpha M	U59801
U72350_at	1.53	Bcl2-like 1	U72350
M55417exon_s_at	1.53	Rat protein kinase C-gamma (PRKC-gamma) gene, exon 1.	M55417
J04486_at	1.52	Insulin-like growth factor binding protein 2	J04486
J03624_at	1.51	Galanin	J03624
S68135_s_at	1.51	glucose transporter 1; GLUT1=glucose transporter 1 {3' region} [rats, brain, mRNA Partial, 351 nt]	S68135
rc_AI029920_s_a'	1.51	Insulin-like growth factor-binding protein 5	AI029920

Gene elements in bold font were also upregulated by CGS21680 in BF.

'-' denotes gene elements absent in control chips and present in PGD₂ chips.

*Change confirmed as significant by Taqman analysis

^Change NOT found to be significant by Taqman analysis