

SuppTable1C.xls

Supplementary Table 1C. Genes found to be upregulated in Hypothalamus by at least 50% in response to PGD₂ (N=92).

Probeset Name	Fold Difference	Gene Name	Genbank #
AF038571_s_at	--	Solute carrier family 1, member 1	AF038571
AF050663UTR#1_	--	Activity and neurotransmitter-induced early gene 11 (ania-11) mRNA, 3' UTR	AF050663
D00913_at	--	ICAM-1; Rattus sp. mRNA for intercellular adhesion molecule-1, complete cds.	D00913
D00913_g_at	--	ICAM-1; Rattus sp. mRNA for intercellular adhesion molecule-1, complete cds.	D00913
D10106_s_at	--	prepropeptide; Rat mRNA for platelet-derived growth factor A chain.	D10106
D13213_s_at	--	Glutamate receptor, ionotropic, NMDA2D	D13213
D25233cds_at	--	Retinoblastoma 1	D25233
J02722cds_at	--	heme oxygenase; Rat heme oxygenase gene, complete cds.	J02722
M29866_s_at	--*	Complement component 3	M29866
M34253_at	--	Interferon regulatory factor 1	M34253
M86389cds_s_at	--*	Heat shock 27kDa protein 1	M86389
rc_AI029183_s_a	--	Gap junction membrane channel protein alpha 1	AI029183
rc_AI071965_s_a	--	Rattus norvegicus cDNA clone UI-R-C2-nl-e-03-0-UI 3', mRNA sequence.	AI071965
S44606_s_at	--	beta-integrin {clone RF-17} [rats, basophilic leukemia cell line RBL, mRNA Partial, 543 nt	S44606
U08257_at	--	Glutamate receptor, ionotropic, kainate 4	U08257
U08259_r_at	--	Glutamate receptor, ionotropic, NMDA2C	U08259
U14533_at	--	Nuclear receptor subfamily 1, group H, member 2	U14533
U14647_g_at	--	Caspase 1	U14647
U18650_at	--	Huntington disease gene homolog	U18650
U75210_s_at	--	Potassium voltage-gated channel, subfamily H (eag-related), member 2	U75210
U77933_at	--	Caspase 2	U77933
X03347cds_g_at	--	polyprotein gag-fos-p75; FBR murine osteosarcoma, complete proviral sequence	X03347
X17053cds_s_at	--	Rat immediate-early serum-responsive JE gene.	X17053
X17053mRNA_s_a	--	Rat immediate-early serum-responsive JE gene.	X17053
X74835cds_at	--	Cholinergic receptor, nicotinic, delta polypeptide	X74835
rc_AI137246_s_a	64.53	Ig VH193020=anti-insulin 193020 monoclonal antibody heavy chain variable region	S65980
U42719_at	59.30	Complement component 4a	U42719
AF044910_at	18.60	Survival motor neuron	AF044910
X52477_at	12.58*	Complement component 3	X52477
rc_AA998683_g_	9.81*	Heat shock 27kDa protein 1	AA998683
M17960_at	8.68	Insulin-like growth factor 2	M17960
J05122_at	7.44	Benzodiazepin receptor	J05122
AF027954_at	5.33^	Bcl-2-related ovarian killer protein (bok)	AF027954
AF053312_s_at	5.09	Small inducible cytokine subfamily A20	AF053312
X54686cds_at	5.06	R.norvegicus pJunB gene.	X54686
rc_AI176658_s_a	5.02	Heat shock 27kDa protein 1	AI176658
AF028784cds#1_	4.20	intermediate filament; Rattus norvegicus glial fibrillary acidic proteins alpha and delta	AF028784
U14647_at	4.11	Caspase 1	U14647
M11794cds#2_f_	4.04*	Rat metallothionein-2 and metallothionein-1 genes, complete cds.	M11794
L16764_s_at	4.03	Heat shock 70kD protein 1A	L16764
M58587_at	3.51	Interleukin 6 receptor	M58587
rc_AI102562_at	3.48*	Metallothionein	AI102562
Z75029_s_at	3.37	Heat shock 70kD protein 1A	Z75029
U49729_at	3.25	Bcl2-associated X protein	U49729
M34253_g_at	3.01	Interferon regulatory factor 1	M34253
U78090_s_at	2.76	Potassium channel regulator 1	U78090
S48813_s_at	2.74	beta-ARK; beta-adrenergic receptor kinase [rats, brain, mRNA Partial, 2141 nt].	S48813

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rc_AI176456_at	2.67	Transcribed locus, highly similar to NP_032656.1 metallothionein 2 [Mus musculus]	AI176456
X91810_at	2.62	Signal transducer and activator of transcription 3	X91810
AJ222813_s_at	2.58	Interleukin 18	AJ222813
rc_AA945583_at	2.55	Hydroxysteroid (17-beta) dehydrogenase 10	AA945583
rc_AI179610_at	2.35	Heme oxygenase 1	AI179610
X99267_at	2.27	Presenilin-2	X99267
M63122_at	2.27	Tumor necrosis factor receptor superfamily, member 1a	M63122
AF022952_at	2.21	Vascular endothelial growth factor B	AF022952
U77777_s_at	2.19	Interleukin 18	U77777
X62952_at	2.16	Vimentin	X62952
U67140_at	2.15	Disks large-associated protein 4	U67140
rc_AI235747_at	2.10	Glutathione-S-transferase, alpha type2	AI235747
L20821_at	2.08	Syntaxin 4	L20821
AJ012603UTR#1_	2.06	A disintegrin and metalloproteinase domain 17	AJ012603
U31866_g_at	2.06	Transcribed locus, moderately similar to NP_598738.1 transferrin [Mus musculus]	U31866
AJ001641_at	2.02	POU domain, class 3, transcription factor 3	AJ001641
U48596_at	1.96	Mitogen activated protein kinase kinase kinase 1	U48596
J04563_at	1.95	putative; Rat cAMP phosphodiesterase mRNA, 3' end.	J04563
rc_AI236828_s_a	1.95	Signal transducer and activator of transcription 3	AI236828
U47031_at	1.93	Purinergic receptor P2X, ligand-gated ion channel, 4	U47031
U90312_at	1.91	Synaptojanin 2	U90312
rc_AA964003_s_	1.89	MHC class II RT1-D beta1 chain haplotype a	AA964003
AF061726_s_at	1.85	Calpain 3	AF061726
rc_AA925246_at	1.80	Cathepsin K	AA925246
U68562mRNA#2_	1.80	GroEL homolog; mitochondrial chaperonin	U68562
J04024_at	1.77	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	J04024
X86789_at	1.72	Synuclein, gamma	X86789
AF020757_s_at	1.71	Purinergic receptor P2X, ligand-gated ion channel, 2	AF020757
X13016_at	1.68	CD48 antigen	X13016
M84488_at	1.64	Vascular cell adhesion molecule 1	M84488
D13417_g_at	1.63	Hairy and enhancer of split 1 (Drosophila)	D13417
M64780_g_at	1.60	alternatively spliced protein; Rat agrin mRNA, complete cds.	M64780
rc_AI170268_at	1.59	Beta-2 microglobulin	AI170268
M93257_s_at	1.59	Catechol-O-methyltransferase	M93257
rc_AI146018_s_a	1.57	Transcribed locus, highly similar to NP_004792.1 neurexin 1 [Homo sapiens]	AI146018
AF030091UTR#1_	1.57	Cyclin L	AF030091
AF033109_at	1.56	Syntaxin 8	AF033109
rc_AI008865_s_a	1.55	Signal transducer and activator of transcription 3	AI008865
AF030089UTR#1_	1.55	Double cortin and calcium/calmodulin-dependent protein kinase-like 1	AF030089
D90258_s_at	1.54	multicatalytic proteinase complex, component 8; proteasome subunit C8, complete cds	D90258
K03486_s_at	1.52	Protein kinase C, beta 1	K03486
U08256_at	1.52	Glutamate receptor, ionotropic, delta 2	U08256
rc_AI171319_s_a	1.52	Similar to Ini1b	AI171319
D26154cds_at	1.52	brain specific protein; Rat mRNA for RB109 (brain specific protein), complete cds.	D26154
U49953_s_at	1.51	P21 (CDKN1A)-activated kinase 1	U49953

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

'--' 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