

SuppTable1B.xls

Supplementary Table 1B. Genes found to be upregulated in Cerebral Cortex by at least 50% in response to PGD₂ (N=32).

Probeset Name	Fold Difference	Gene Name	Genbank #
AF015719_s_at	--	Interleukin 15	AF015719
AF048828_g_at	--	Voltage-dependent anion channel 1	AF048828
AF052596_at	--	Synaptosomal-associated protein, 23 kD	AF052596
L16764_s_at	--	Heat shock 70kD protein 1A	L16764
M27223_at	--	Rat Na ⁺ channel mRNA, 3' end.	M27223
M29866_s_at	--	Complement component 3	M29866
M54987_at	--	Rat corticotropin releasing hormone (CRH) gene, complete cds.	M54987
S77863_s_at	--	mu-opioid receptor MOR [rats, peritoneal macrophages, mRNA Partial, 720 nt].	S77863
X52477_at	--*	Complement component 3	X52477
X87157_at	--	Neurolysin (metallopeptidase M3 family)	X87157
U78090_s_at	10.68	Potassium channel regulator 1	U78090
X60769mRNA_at	7.54	CCAAT/enhancer binding protein (C/EBP), beta	X60769
rc_AA998683_g_at	5.90*	Heat shock 27kDa protein 1	AA998683
M11794cds#2_f_at	5.16*	Rat metallothionein-2 and metallothionein-1 genes	M11794
rc_AI176456_at	3.32	Transcribed locus, highly similar to NP_032656.1 metallothionein 2 [Mus musculus]	AI176456
AF028784cds#1_s_at	3.01	intermediate filament; Rattus norvegicus glial fibrillary acidic proteins alpha and delt	AF028784
rc_AI176658_s_at	3.01*	Heat shock 27kDa protein 1	AI176658
X62952_at	2.80	Vimentin	X62952
rc_AI146018_s_at	2.74	Transcribed locus, highly similar to NP_004792.1 neurexin 1 [Homo sapiens]	AI146018
AF053312_s_at	2.72	Small inducible cytokine subfamily A20	AF053312
J05122_at	2.52	Benzodiazepin receptor	J05122
AF028784mRNA#1_s_at	1.92	intermediate filament; Rattus norvegicus glial fibrillary acidic proteins alpha and delt	AF028784
L35771_at	1.88	Potassium inwardly-rectifying channel, subfamily J, member 5	L35771
L23088_at	1.85	Selectin, platelet	L23088
rc_AI229237_at	1.84	Opioid receptor-like	AI229237
D14987_f_at	1.78	Sulfotransferase, hydroxysteroid preferring 2	D14987
rc_AI102562_at	1.73*	Metallothionein	AI102562
U48596_at	1.73	Mitogen activated protein kinase kinase kinase 1	U48596
U31866_g_at	1.66	Transcribed locus, moderately similar to NP_598738.1 transferrin [Mus musculus]	U31866
U17995_at	1.61	Rattus norvegicus kappa opioid receptor gene, exon 4 and complete cds.	U17995
M58587_at	1.58	Interleukin 6 receptor	M58587
rc_AI170268_at	1.51	Beta-2 microglobulin	AI170268

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

'--' 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