

Supplementary Table 3B. Genes found to be upregulated in Cerebral Cortex by at least 50% in response to CGS21680 (N=40).

Probeset Name	Fold Difference	Gene Name	Genbank #
AF060173_at	--	SV2 related protein	AF060173
AF081557_at	--	Glial cells missing homolog 1 (Drosophila)	AF081557
AF102804_s_at	--	Adenosine A3 receptor	AF102804
AFFX_ratb2/X14115_at	--	Rat DNA for B2 repeat (1-12) from gamma crystallin gene cluster.	X14115
D25290_at	--	Cadherin 6	D25290
J05122_at	--	Benzodiazepin receptor	J05122
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	S77863
U14647_at	--	Caspase 1	U14647
U64689_at	--	Fasciculation and elongation protein zeta 2 (zygin II)	U64689
X17053cds_s_at	--	Rat immediate-early serum-responsive JE gene.	X17053
X52477_at	--*	Complement component 3	X52477
L16764_s_at	--	Heat shock 70kD protein 1A	L16764
X60769mRNA_at	11.20	CCAAT/enhancer binding protein (C/EBP), beta	X60769
rc_AA964003_s_at	9.19	MHC class II RT1-D beta1 chain haplotype a	AA964003
rc_AA998683_g_at	8.67*	Heat shock 27kDa protein 1	AA998683
M11794cds#2_f_at	4.84*	Rat metallothionein-2 and metallothionein-1 genes, complete cds.	M11794
U78090_s_at	3.82	Potassium channel regulator 1	U78090
AF028784cds#1_s_at	3.61	intermediate filament; glial fibrillary acidic proteins alpha and delta	AF028784
rc_AI176658_s_at	3.30*	Heat shock 27kDa protein 1	AI176658
rc_AI176456_at	3.02	Transcribed locus, highly similar to NP_032656.1 metallothionein 2	AI176456
rc_AI146018_s_at	2.74	Transcribed locus, highly similar to NP_004792.1 neurexin 1	AI146018
X62952_at	2.31	Vimentin	X62952
rc_AA945583_at	2.27	Hydroxysteroid (17-beta) dehydrogenase 10	AA945583
M34253_g_at	2.22	Interferon regulatory factor 1	M34253
L23088_at	2.12	Selectin, platelet	L23088
AF028784mRNA#1_s_at	2.09	intermediate filament; glial fibrillary acidic proteins alpha and delta	AF028784
AF053312_s_at	2.09	Small inducible cytokine subfamily A20	AF053312
rc_AI102562_at	1.75*	Metallothionein	AI102562
rc_AI229237_at	1.73	Opioid receptor-like	AI229237
U31866_g_at	1.69	Transcribed locus, moderately similar to NP_598738.1 transferrin	U31866
M58587_at	1.62	Interleukin 6 receptor	M58587
S65355_g_at	1.61	ETB receptor; nonselective-type endothelin receptor [rats, brain, mRNA, 2018 nt].	S65355
AF016296_at	1.60	Neuropilin	AF016296
rc_AI170268_at	1.59	Beta-2 microglobulin	AI170268
L35771_at	1.55	Potassium inwardly-rectifying channel, subfamily J, member 5	L35771
M23697_at	1.52	Plasminogen activator, tissue	M23697
AF000423_at	1.52	Synaptotagmin 11	AF000423
Y09507_at	1.51	Hypoxia inducible factor 1, alpha subunit	Y09507

Gene elements in bold font were also upregulated by PGD₂ in Cx.

'--' denotes gene elements absent in control chips and present in CGS21680 chips.

*Change confirmed as significant by Taqman analysis

^Change NOT found to be significant by Taqman analysis