

SuppTable4B.xls

Supplementary Table 4B. Genes found to be downregulated in Cerebral Cortex by at least 50% in response to CGS21680 (N=40).

Probeset Name	Fold Difference	Gene Name	Genbank #
L22558_at	--	5-hydroxytryptamine (serotonin) receptor 7	L22558
M55049_at	--	Interleukin 2 receptor, alpha chain	M55049
M58040_at	--	Transferrin receptor	M58040
S55933_i_at	--	GABAA receptor alpha 4 subunit [rats, mRNA, 1843 nt].	S55933
U08259_r_at	--	Glutamate receptor, ionotropic, NMDA2C	U08259
X12744_at	--	Thyroid hormone receptor alpha	X12744
X17012mRNA_s_at	--	Rat IGFI gene for insulin-like growth factor II.	X17012
X17607cds_s_at	--	beta-2 adrenergic receptor (AA 1-418); Rat beta-2 adrenergic receptor gene.	X17607
X74835cds_at	--	Cholinergic receptor, nicotinic, delta polypeptide	X74835
AF030253_at	31.20	Vesicular inhibitory amino acid transporter	AF030253
AF021935_at	10.50	Ser-Thr protein kinase related to the myotonic dystrophy protein kinase	AF021935
AF030088UTR#1_at	3.61	Homer, neuronal immediate early gene, 1	AF030088
X51992_at	2.10[^]	Gamma-aminobutyric acid A receptor, alpha 5	X51992
X15468cds_at	2.04	Rat mRNA for GABA(A) receptor beta-3 subunit.	X15468
M59980_s_at	2.03	Potassium voltage gated channel, Shal-related family, member 2	M59980
rc_AI030286_s_at	1.98	Brain derived neurotrophic factor	AI030286
J04024_at	1.98	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	J04024
U75397UTR#1_s_at	1.98	Rattus norvegicus Krox-24 mRNA, 3' untranslated region, partial sequence.	U75397
U88036_at	1.97	Solute carrier family 21 (organic anion transporter), member 5	U88036
AF023087_s_at	1.96	Early growth response 1	AF023087
M18416_at	1.96	Early growth response 1	M18416
AJ006519_at	1.85	Amiloride-sensitive cation channel 2, neuronal	AJ006519
M92075_at	1.84	Glutamate receptor, metabotropic 2	M92075
M36420_s_at	1.83	Glutamate receptor, ionotropic, AMPA3 (alpha 3)	M36420
rc_AA925246_at	1.76	Cathepsin K	AA925246
Z11548_at	1.76	Glutamate receptor, ionotropic, kainate 2	Z11548
U16845_at	1.76	Neurotrimin	U16845
S46131mRNA_s_at	1.71	D1 receptor; dopamine D1 receptor {promoter} [rats, Genomic, 6251 nt].	S46131
U73142_at	1.71	Mitogen activated protein kinase 14	U73142
AFFX-BioC-3_at	1.70	ORF 1	J04423
S94371_at	1.67	GluR-4c; glutamate receptor subunit 4c	S94371
rc_AI008639_at	1.60	MAD homolog 4 (Drosophila)	AI008639
D86039_at	1.58	Rattus norvegicus mRNA for ATP-sensitive inwardly rectifying K+ channel, BIR(Kir6.2), complete cds.	D86039
AFFX-BioB-3_at	1.56	ORF 1	J04423
AF106563_s_at	1.55	PRP; Rattus norvegicus P-glycoprotein-like ATP-binding cassette transporter mRNA, complete cds.	AF106563
U40188_at	1.55	TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31 kD	U40188
M64780_g_at	1.55	alternatively spliced protein; Rat agrin mRNA, complete cds.	M64780
E12625cds_at	1.53	cDNA encoding a rat novel protein which is expressed with nerve injury.	E12625
X98564cds_at	1.52	Potassium channel, subfamily V, member 1	X98564
M64780_at	1.51	alternatively spliced protein; Rat agrin mRNA, complete cds.	M64780

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

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

*Change confirmed as significant by Taqman analysis

[^]Change NOT found to be significant by Taqman analysis