

SuppTable2B.xls

Supplementary Table 2B. Genes found to be downregulated in Cerebral Cortex by at least 50% in response to PGD₂ (N=42).

Probeset Name	Fold Difference	Gene Name	Genbank #
AF042714_at	--	Neurexophilin 4	AF042714
AF061726_s_at	--	Calpain 3	AF061726
AF081365_s_at	--	Potassium inwardly-rectifying channel, subfamily J, member 1	AF081365
AFFX-DapX-M_at	--	26.7% identity to the Escherichia coli bifunctional biotin operon repressor	L38424
M55049_at	--	Interleukin 2 receptor, alpha chain	M55049
U08259_r_at	--	Glutamate receptor, ionotropic, NMDA2C	U08259
U17254_at	--	Immediate early gene transcription factor NGFI-B	U17254
U90610_g_at	--	Chemokine receptor (LCR1)	U90610
X13905cds_g_at	--	unnamed protein product; rab1B protein (AA 1 - 201); Rat cDNA for ras-related rab1B protein	X13905
X74834cds_s_at	--	Cholinergic receptor, nicotinic, gamma polypeptide	X74834
AF030253_at	14.23	Vesicular inhibitory amino acid transporter	AF030253
AF030088UTR#1_at	2.98	Homer, neuronal immediate early gene, 1	AF030088
X15468cds_at	2.35	Rat mRNA for GABA(A) receptor beta-3 subunit.	X15468
rc_AI178835_at	2.31	Mitogen activated protein kinase kinase 1	AI178835
AFFX_Rat_GAPDH_3_st	2.22	Glyceraldehyde-3-phosphate dehydrogenase	X02231
AF021935_at	2.12	Ser-Thr protein kinase related to the myotonic dystrophy protein kinase	AF021935
U88036_at	2.09	Solute carrier family 21 (organic anion transporter), member 5	U88036
U72350_at	1.89	Bcl2-like 1	U72350
D26154cds_at	1.87	brain specific protein; Rat mRNA for RB109 (brain specific protein), complete cds.	D26154
X51992_at	1.86^	Gamma-aminobutyric acid A receptor, alpha 5	X51992
AF023087_s_at	1.80	Early growth response 1	AF023087
AF033109_at	1.79	Syntaxin 8	AF033109
M64301_at	1.68	Mitogen-activated protein kinase 6	M64301
U75397UTR#1_s_at	1.65	Rattus norvegicus Krox-24 mRNA, 3' untranslated region, partial sequence.	U75397
AFFX-BioDn-5_at	1.65	ORF 1	J04423
AF075382_at	1.63	Cytokine inducible SH2-containing protein 2	AF075382
D86039_at	1.63	Rattus norvegicus mRNA for ATP-sensitive inwardly rectifying K+ channel, BIR(Kir6.2)	D86039
rc_H33459_at	1.60	Similar to Ini1b	H33459
rc_AI008639_at	1.59	MAD homolog 4 (Drosophila)	AI008639
AFFX-BioC-5_at	1.58	ORF 1	J04423
D13985_g_at	1.58	Chloride channel, nucleotide-sensitive, 1A	D13985
AF106563_s_at	1.58	PRP; Rattus norvegicus P-glycoprotein-like ATP-binding cassette transporter mRNA	AF106563
AF055477_at	1.57	Calcium channel, voltage-dependent, N type, alpha 1B subunit	AF055477
M60753_s_at	1.54	Catechol-O-methyltransferase	M60753
U17254_g_at	1.54	Immediate early gene transcription factor NGFI-B	U17254
M18416_at	1.53	Early growth response 1	M18416
rc_AI176710_at	1.53	Nuclear receptor subfamily 4, group A, member 3	AI176710
AF078779_g_at	1.53	Voltage gated channel like 1	AF078779
D25233UTR#1_g_at	1.52	Retinoblastoma 1	D25233
J05189_at	1.52	Tachikin receptor 3	J05189
AF030091UTR#1_at	1.52	Cyclin L	AF030091
rc_AA924542_s_at	1.51	Mitogen activated protein kinase 14	AA924542

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

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

*Change confirmed as significant by Taqman analysis

^Change NOT found to be significant by Taqman analysis