

SuppTable4C.xls

Supplementary Table 4C. Genes found to be downregulated in Hypothalamus by at least 50% in response to CGS21680 (N=43).

Probeset Name	Fold Difference	Gene Name	Genbank #
AB016161cds_r_at	--	Gamma-aminobutyric acid (GABA) B receptor, 1	AB016161
AF071495_s_at	--	Scavenger receptor class B, member 1	AF071495
AF109405_s_at	--	G protein-coupled receptor 51	AF109405
AFFX_Rat_GAPDH_5_st	--	Glyceraldehyde-3-phosphate dehydrogenase	X02231
AFFX-YELO24w/RIP1_at	--	Rieske iron-sulfur protein; Yeast (<i>S.cerevisiae</i>; DC5)	M23316
D10938exon_s_at	--	Rattus norvegicus gene for brain-derived neurotrophic factor (BDNF), complete cds.	D10938
M27223_at	--	Rat Na⁺ channel mRNA, 3' end.	M27223
M64301_at	--	Mitogen-activated protein kinase 6	M64301
rc_AA799729_at	--	Phosphodiesterase 4B	AA799729
S55933_i_at	--	GABAA receptor alpha 4 subunit [rats, mRNA, 1843 nt].	S55933
S94371_g_at	--	GluR-4c; glutamate receptor subunit 4c {alternatively spliced} [rats, Sprague-Dawley, cerebellum, mRNA, 3452 nt].	S94371
M31076_at	47.51	Transforming growth factor alpha	M31076
rc_AA925246_at	15.28	Cathepsin K	AA925246
M58040_at	7.27	Transferrin receptor	M58040
U88036_at	4.99	Solute carrier family 21 (organic anion transporter), member 5	U88036
X17012mRNA_s_at	4.52*	Rat IGFII gene for insulin-like growth factor II.	X17012
AJ001029_at	2.89	SRY-box containing gene 10	AJ001029
AF021935_at	2.84	Ser-Thr protein kinase related to the myotonic dystrophy protein kinase	AF021935
J04486_at	2.29	Insulin-like growth factor binding protein 2	J04486
AB016161UTR#1_g_at	2.10	Gamma-aminobutyric acid (GABA) B receptor, 1	AB016161
rc_AA893870_g_at	1.86	EST197673 Normalized rat placenta, Bento Soares Rattus sp. cDNA clone RPLAM86 3' end, mRNA sequence.	AA893870
S94371_at	1.85	GluR-4c; glutamate receptor subunit 4c {alternatively spliced} [rats, Sprague-Dawley, cerebellum, mRNA, 3452 nt].	S94371
U78090_s_at	1.78	Potassium channel regulator 1	U78090
AF034896_f_at	1.72	Olfactory receptor gene Olf1696	AF034896
M91595exon_s_at	1.68	Rattus norvegicus insulin-like growth factor binding protein-2 gene, exon 1.	M91595
X17682_s_at	1.68	Microtubule-associated protein 2	X17682
M31433mRNA#1_at	1.68	Rat voltage-dependent sodium channel type II protein gene, complete cds.	M31433
X51992_at	1.67*	Gamma-aminobutyric acid A receptor, alpha 5	X51992
U73142_g_at	1.67	Mitogen activated protein kinase 14	U73142
U31554_at	1.64	Limbic system-associated membrane protein	U31554
L04739cds_s_at	1.64	isoform 1; Rattus norvegicus plasma membrane calcium ATPase isoform 1 gene, partial cds.	L04739
L09119_at	1.62	Neurogranin	L09119
M32867_at	1.61	Potassium voltage gated channel, shaker related subfamily, member 4	M32867
X14788_s_at	1.60	CAMP responsive element binding protein 1	X14788
S64320_at	1.56	K ⁺ channel polypeptide; Shal1=K ⁺ channel polypeptide [rats, hippocampus, mRNA, 3350 nt].	S64320
M17960_g_at	1.55	Insulin-like growth factor 2	M17960
X12589cds_s_at	1.55	Rat mRNA for voltage-dependent potassium channel protein.	X12589
rc_AI230211_s_at	1.54	Potassium voltage gated channel, Shal-related family, member 3	AI230211
rc_AI235758_s_at	1.54	Protein kinase, cAMP dependent regulatory, type II beta	AI235758
M16407_at	1.53	Cholinergic receptor, muscarinic 3	M16407
L20822_at	1.53	Syntaxin 5a	L20822
AB016160_g_at	1.52	Gamma-aminobutyric acid (GABA) B receptor, 1	AB016160
M59980_s_at	1.50	Potassium voltage gated channel, Shal-related family, member 2	M59980

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

'--' 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