

SuppTable2C.xls

Supplementary Table 2C. Genes found to be downregulated in Hypothalamus by at least 50% in response to PGD₂ (N=39).

Probeset Name	Fold Difference	Gene Name	Genbank #
AB016161 cds_r_at	--	Gamma-aminobutyric acid (GABA) B receptor, 1	AB016161
AB017656_s_at	--	Cholinergic receptor, muscarinic 3	AB017656
AF071495 _s_at	--	Scavenger receptor class B, member 1	AF071495
AFFX_Rat_GAPDH_5 _st	--	Glyceraldehyde-3-phosphate dehydrogenase	X02231
AFFX-DapX-M_at	--	26.7% identity to the Escherichia coli bifunctional biotin operon repressor	L38424
AFFX-YELO24w/RIP1 _at	--	Rieske iron-sulfur protein; Yeast (S.cerevisiae; DC5) Rieske iron-sulfur protein gene, complete cds.	M23316
AJ224680_g_at	--	Cyclic nucleotide-gated channel beta subunit 1	AJ224680
D14987_f_at	--	Sulfotransferase, hydroxysteroid preferring 2	D14987
M27223 _at	--	Rat Na⁺ channel mRNA, 3' end.	M27223
rc_AA799729 _at	--	Phosphodiesterase 4B	AA799729
U73142_at	--	Mitogen activated protein kinase 14	U73142
X17184_at	--	Glutamate receptor, ionotropic, AMPA1 (alpha 1)	X17184
X54656_at	--	Glutamate receptor, ionotropic, AMPA3 (alpha 3)	X54656
U40188_at	9.83	TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31 kD	U40188
L35771_at	9.56	Potassium inwardly-rectifying channel, subfamily J, member 5	L35771
X12589 cds_s_at	4.01	potassium channel protein (AA 1-495); Rat mRNA for voltage-dependent potassium channel protei	X12589
X17012 mRNA_s_at	3.86*	Rat IGFII gene for insulin-like growth factor II.	X17012
rc_AA996551_s_at	3.18	Vesicular inhibitory amino acid transporter	AA996551
M88751_at	3.12	Calcium channel, voltage-dependent, beta 3 subunit	M88751
M55417exon_s_at	3.09	Rat protein kinase C-gamma (PRKC-gamma) gene, exon 1.	M55417
E13732cds_at	2.30	cDNA encoding rat CC chemokine receptor protein.	E13732
M27293_s_at	2.19	Insulin-like growth factor 1 receptor	M27293
X51992 _at	2.08*	Gamma-aminobutyric acid A receptor, alpha 5	X51992
S59525_s_at	2.03	GnRH-R; gonadotropin-releasing hormone receptor [rats, pituitary gland, mRNA, 2256 nt].	S59525
S53987_at	2.03	mismatch(469[R->P]) in paper; nicotinic receptor alpha 7 subunit [rats, brain, mRNA, 3030 nt].	S53987
X60769mRNA_at	1.82	CCAAT/enhancer binding protein (C/EBP), beta	X60769
rc_AA956149_at	1.80	Neurexin 1	AA956149
rc_A1171166_at	1.69	Suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein	A1171166
M80570_at	1.67	Solute carrier family 6, member 3	M80570
M31433 mRNA#1_at	1.65	Rat voltage-dependent sodium channel type II protein gene, complete cds.	M31433
AF034896 _f_at	1.65	Olfactory receptor gene Olf1696	AF034896
AJ001029 _at	1.63	SRY-box containing gene 10	AJ001029
AF081365_s_at	1.62	Potassium inwardly-rectifying channel, subfamily J, member 1	AF081365
rc_AA900476_g_at	1.61	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	AA900476
U42976_at	1.59	Cholinergic receptor, nicotinic, beta polypeptide 4	U42976
D87839_at	1.58	4-aminobutyrate aminotransferase	D87839
AF042713_at	1.57	Neurexophilin 3	AF042713
M17960 _g_at	1.54	Insulin-like growth factor 2	M17960
M59786_at	1.52	Calcium channel, voltage-dependent, alpha 1C subunit	M59786

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

'--' 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