

## SuppTable6-final.xls

**Supplementary Table 6A.** Genes found to be commonly upregulated by at least 50% in response to CGS21680 and during sleep deprivation (Terao et al., 2005).

Brain Regions	Probeset Name	Gene Name	Genbank #
<b>BF</b>	AF000368_at	Sodium channel, voltage-gated, type 9, alpha polypeptide	AF000368
	<b>rc_AI176710_at</b>	<b>Nuclear receptor subfamily 4, group A, member 3</b>	<b>AI176710</b>
	<b>S82649_s_at</b>	<b>Narp=neuronal activity-regulated pentraxin</b>	<b>S82649</b>
	<b>U14533_at</b>	<b>Nuclear receptor subfamily 1, group H, member 2</b>	<b>U14533</b>
	U17254_at	Immediate early gene transcription factor NGFI-B	U17254
	U17254_g_at	Immediate early gene transcription factor NGFI-B	U17254
	<b>Z11558_at</b>	<b>Glia maturation factor, beta</b>	<b>Z11558</b>
<b>Cx</b>	AF060173_at	SV2 related protein	AF060173
	<b>rc_AA964003_s_at</b>	<b>MHC class II RT1-D beta 1 chain haplotype a</b>	<b>AA964003</b>
	U64689_at	Fasciculation and elongation protein zeta 2 (zygin II)	U64689
<b>Hy</b>	M54987_at	Rat corticotropin releasing hormone (CRH) gene, complete cds.	M54987
	<b>rc_AI176710_at</b>	<b>Nuclear receptor subfamily 4, group A, member 3</b>	<b>AI176710</b>
	U17254_g_at	Immediate early gene transcription factor NGFI-B	U17254
	<b>U66274_at</b>	<b>Neuropeptide Y receptor Y5</b>	<b>U66274</b>

**Supplementary Table 6B.** Genes found to be commonly downregulated by at least 50% in response to CGS21680 and during sleep deprivation (Terao et al., 2005).

Brain Regions	Probeset Name	Gene Name	Genbank #
<b>BF</b>	M21410_s_at	serotonin 1c receptor; Rat serotonin 1c receptor mRNA, complete cds.	M21410
<b>Cx</b>	AJ006519_at	Amiloride-sensitive cation channel 2, neuronal	AJ006519
	S94371_at	GluR-4c; glutamate receptor subunit 4c	S94371
<b>Hy</b>	L04739cds_s_at	isoform 1; Rattus norvegicus plasma membrane calcium ATPase isoform 1 gene, partial cds.	L04739
	S55933_i_at	GABAA receptor alpha 4 subunit [rats, mRNA, 1843 nt].	S55933
	<b>S94371_at</b>	<b>GluR-4c; glutamate receptor subunit 4c</b>	<b>S94371</b>

**Supplementary Table 6C.** Genes found to be commonly upregulated by at least 50% in response to CGS21680 and during recovery sleep (Terao et al., 2005).

Brain Regions	Probeset Name	Gene Name	Genbank #
<b>BF</b>	rc_AA925248_at	Sodium channel, voltage-gated, type 6, alpha polypeptide	AA925248
	rc_AI137246_s_at	Ig VH193020=anti-insulin 193020 monoclonal antibody heavy chain variable region	S65980
	<b>rc_AI176710_at</b>	<b>Nuclear receptor subfamily 4, group A, member 3</b>	<b>AI176710</b>
	<b>S82649_s_at</b>	<b>Narp=neuronal activity-regulated pentraxin</b>	<b>S82649</b>
	<b>U14533_at</b>	<b>Nuclear receptor subfamily 1, group H, member 2</b>	<b>U14533</b>
	<b>Z11558_at</b>	<b>Glia maturation factor, beta</b>	<b>Z11558</b>
<b>Cx</b>	M34253_g_at	Interferon regulatory factor 1	M34253
	<b>rc_AA964003_s_at</b>	<b>MHC class II RT1-D beta 1 chain haplotype a</b>	<b>AA964003</b>
<b>Hy</b>	AF075382_at	Cytokine inducible SH2-containing protein 2	AF075382
	M91599mRNA_g_at	Rattus sp. fibroblast growth factor receptor subtype 4 (FGFR4) mRNA, complete cds.	M91599
	<b>rc_AI176710_at</b>	<b>Nuclear receptor subfamily 4, group A, member 3</b>	<b>AI176710</b>
	<b>U66274_at</b>	<b>Neuropeptide Y receptor Y5</b>	<b>U66274</b>

**Supplementary Table 6D.** Genes found to be commonly downregulated by at least 50% in response to CGS21680 and during recovery sleep (Terao et al., 2005).

Brain Regions	Probeset Name	Gene Name	Genbank #
<b>BF</b>	M31076_at	Transforming growth factor alpha	M31076
<b>Cx</b>	rc_AA925246_at	Cathepsin K	AA925246
<b>Hy</b>	AF109405_s_at	G protein-coupled receptor 51 (GABA B-2 receptor???)	AF109405
	<b>S94371_g_at</b>	<b>GluR-4c; glutamate receptor subunit 4c</b>	<b>S94371</b>

Gene elements in bold were upregulated during both SD and RS in the same brain region.