

**Table 2. Transcripts with differential expression between subgroups of CA neurons**

Gene name	Genebank Accession	RATIO SN	RATIO VTA	RATIO A13	RATIO LC	Mean signal SN	Mean signal VTA	Mean signal A13	Mean signal LC
Incyte EST	N.A.	2.3	3.4	0.5	4.2	665	804	527	1,367
Mouse bone morphogenetic protein 2 (BMP-2) gene, complete cds	L25602	1.2	3.8	0.2	1.5	1,358	3,393	743	2,520
Wnt2: wingless-type MMTV integration site 2	AK045120	2.5	9.3	0.1	1.6	2,644	7,864	682	3,536
Mouse mRNA for distal intestinal serine protease (DISP gene)	AJ243866	1.4	4.4	0.8	2.0	501	655	587	685
Incyte EST	N.A.	5.0	2.9	0.4	0.6	747	636	540	567
Incyte EST	N.A.	4.3	1.8	0.3	1.0	3,349	1,999	926	1,867
Incyte EST	N.A.	6.2	1.5	0.4	1.6	1,086	654	555	844
Rattus norvegicus cDNA clone UI-R-CX0-bwx-e-02-0-UI 3'	BI278837	5.3	2.4	3.5	0.9	1,956	1,124	2,139	913
Rat RET ligand 1 (RETL1) mRNA, complete cds	U97142	27.6	29.9	34.0	2.2	5,374	7,981	12,235	2,675
Rattus norvegicus cDNA clone UI-R-A0-bc-f-03-0-UI 3'	AA818585	1.3	2.8	4.3	0.5	1,105	2,103	3,971	1,087
Rat mRNA for very-long-chain acyl-CoA synthetase, complete cds	D85100	1.7	3.3	4.7	0.4	1,599	2,830	5,400	1,151
Rattus norvegicus putative fatty acid desaturase (Fads3)	XM_215140	4.5	4.7	6.1	0.5	1,114	1,169	1,950	647
RIKEN full-length enriched, adult male corpora quadrigemina Mus musculus cDNA clone B230214B19 3', MRNA sequence (similar to GPR 39 (G protein-coupled neurotensin receptor)	BB307345	3.6	4.5	7.4	0.5	14,734	19,224	34,804	6,189
SODIUM CHANNEL, VOLTAGE-GATED, TYPE 6, $\alpha$ (SCN6A)	Y09164	2.6	3.5	3.3	0.7	1,271	1,993	2,635	1,026
Rat mRNA for metastasis-associated GPI-anchored protein	AJ001043	1.1	2.8	4.2	0.7	564	916	1,510	712
Rattus norvegicus cDNA clone UI-R-CA1-bjt-g-12-0-UI 3'	BF410127	1.3	2.4	5.5	0.8	1,222	2,241	6,196	1,510
Rat mRNA for Castration Induced Prostatic Apoptosis Related protein-1 (CIPAR-1)	AJ010750	1.0	5.0	7.4	1.2	1,165	5,322	11,583	2,261
Rat DRG Library Rattus norvegicus cDNA clone DRNBLF02 5'	BG671101	1.2	5.3	11.0	1.8	6,359	21,966	42,331	15,662
Rattus norvegicus cDNA clone UI-R-FJ0-cpx-m-14-0-UI 3' Similar to hypothetical protein FLJ12505	CA504848	2.2	5.3	8.1	1.9	1,161	2,246	4,709	1,548
Mouse ODZ2 (Odz2) mRNA, partial cds	AF195419	1.6	2.1	5.5	1.1	3,482	5,198	14,772	4,528
Rattus norvegicus cDNA clone UI-R-CX0-bxm-h-07-0-UI 3' moderately similar to Tnf receptor-associated factor 3 (Traf3) gene, partial sequence; and amnionless precursor protein (Amn) gene	BI276908	4.4	4.5	25.2	0.8	762	769	2,837	584
vitelliform macular dystrophy protein	AAC64926	2.2	2.2	3.8	0.4	619	655	988	545

Mouse mimp3 mRNA for igf2 mRNA-binding protein 3, complete cds	AB046173	3.0	4.4	1.5	0.6	780	1,240	903	649
ESTs Highly similar to insulin-like growth factor 2, binding protein 3	CA503752	2.8	4.0	1.4	0.5	854	1,119	857	620
Mouse untranslated RNA G90	AJ132433	5.3	7.3	2.5	0.2	1,406	1,935	1,171	551
Rat mRNA for keratin 18	X81448	7.1	14.9	3.9	0.1	3,367	6,763	3,703	629
Rat nicotinic acetylcholine receptor $\alpha$ 4 subunit mRNA, complete cds	L31620	9.3	9.6	2.8	0.3	10,481	13,978	8,000	1,213
tyrosine phosphatase receptor Ftp-1	D88187	10.7	8.2	3.6	0.2	7,056	7,401	6,181	925
Rat gene for glycogen phosphorylase (liver type)	X63515	2.5	4.8	1.7	0.5	2,482	4,469	2,688	1,282
Rat protein kinase C-binding protein NELL1 mRNA, complete cds	U48246	3.5	4.5	1.8	0.1	12,002	17,438	14,120	1,785
Rat protein kinase C-binding protein NELL1 mRNA, complete cds	U48246	3.2	4.4	1.9	0.1	13,017	18,428	15,404	1,319
INCYTE EST	N.A.	2.7	3.0	2.9	0.2	2,085	2,597	3,550	727
Rattus norvegicus LOC302889 (LOC302889), mRNA	XM_239146	1.7	2.5	2.2	0.2	1,271	2,133	2,724	696
Mus musculus similar to phosphoinositol 3-phosphate-binding protein-3 [Homo sapiens] (LOC233765), mRNA	XM_133864	2.4	2.8	3.5	0.1	4,136	5,817	10,814	711
Mus musculus similar to phosphoinositol 3-phosphate-binding protein-3 [Homo sapiens] (LOC233765), mRNA	XM_133864	2.4	2.8	3.6	0.1	2,749	3,647	6,933	610
Rattus norvegicus cDNA clone UI-R-C0-gx-g-08-0-UI 3'	AA964745	6.6	2.5	0.9	0.8	2,687	1,759	1,087	1,130
Rattus norvegicus cDNA clone UI-R-BJ0p-afu-e-03-0-UI 3'	AW435438	4.3	2.9	0.9	0.7	881	618	602	575
Rat serine protease RNK-Met-1 mRNA, complete cds	L05175	1.8	4.7	0.8	0.6	3,220	8,632	3,201	2,314
Mouse PDZ domain actin binding protein Shroom mRNA, complete cds	AF199421	2.6	4.4	0.4	0.9	1,394	2,849	904	1,115
Mouse zfh-4 mRNA for zinc-finger homeodomain protein 4, complete cds	AB024499	4.3	4.9	0.4	0.9	3,929	5,617	1,322	2,260
Rat aldehyde dehydrogenase mRNA, complete cds	M23995	6.4	16.7	0.7	1.0	991	2,088	588	651
Rat aldehyde dehydrogenase mRNA, complete cds	M23995	11.3	22.5	0.4	0.9	1,871	4,772	641	768
Rat aldehyde dehydrogenase (ALDH) mRNA, complete cds	AF001896	23.3	32.1	0.3	1.5	47,053	51,917	5,431	18,460
INCYTE EST	N.A.	3.3	3.7	0.8	0.9	2,730	3,130	1,431	1,872
Mouse dihydrofolate reductase gene, 3' flank, segment 2	M18215	5.3	6.0	1.0	0.9	951	974	672	666
Mouse lysyl hydroxylase isoform 2 mRNA, complete cds	AF080572	4.4	19.1	0.8	1.9	3,358	12,871	1,388	2,631
KIAA1568 protein (ROBO2)	BAB13394	4.0	3.6	1.1	0.4	967	1,027	723	609
Mouse NAD(+)-dependent 15-hydroxyprostaglandin dehydrogenase mRNA, complete cds	U44389	8.7	7.8	0.5	0.3	1,556	1,573	583	532

Tumor-associated calcium signal transducer 1	AJ001044	9.2	5.1	0.7	0.3	2,329	1,528	795	581
Ca <sup>2+</sup> dependent activator protein for secretion	BC023929	10.5	9.7	0.8	0.2	1,009	1,020	579	526
Rattus norvegicus cDNA clone UI-R-C2p-oc-a-05-0-UI 5'	BF551935	8.2	5.9	0.5	0.4	18,248	19,327	3,470	2,926
Mouse retinal short-chain dehydrogenase/reductase 1 (Rsdr1) gene, exon 1	AF179238	5.6	10.5	0.4	0.4	7,426	11,271	2,182	1,845
Mouse mRNA for caspase-7	Y13088	11.5	10.3	0.7	0.5	8,701	8,490	1,271	1,397
INCYTE EST	N.A.	3.8	4.7	0.8	0.8	8,150	11,214	4,082	4,133
Rattus norvegicus cDNA clone UI-R-DK0-cej-b-12-0-UI 3'	BI294080	8.3	6.0	0.8	0.6	11,790	11,101	3,022	2,704
Rat mRNA for protein kinase PASK, complete cds	D88190	4.0	4.4	1.1	0.5	9,557	12,989	7,076	3,237
Rat mRNA for protein kinase PASK, complete cds	D88190	4.1	4.5	1.2	0.5	16,258	21,652	12,319	6,254
Mouse encephalopsin mRNA, complete cds	AF140241	5.8	8.3	1.1	0.7	6,594	10,319	3,157	2,303
Mouse laminin $\beta$ 3 (Lamb3) chain mRNA, complete cds	U43298	12.3	22.3	1.4	0.2	3,991	7,023	1,361	609
Rattus norvegicus cDNA clone UI-R-BT1-bnq-f-02-0-UI 3'	BF412664	5.2	2.8	0.5	0.9	4,287	3,516	1,388	2,131
Mus musculus glucan (1,4- $\alpha$ -), branching enzyme 1 (Gbe1)	NM_028803	4.5	3.6	0.8	1.2	9,931	11,374	4,967	6,422
UI-R-BJ0-aec-c-12-0-UIs1 UI-R-BJ0 Rattus norvegicus cDNA clone UI-R-BJ0-aec-c-12-0-UI 3'	AW253868	6.5	4.0	0.6	3.6	1,738	1,206	683	1,811
Rattus norvegicus glycoprotein hormone $\alpha$ 2 (Gpha2), mRNA	NM_133619	8.0	5.6	0.4	2.2	1,952	1,582	617	1,338
Incyte EST	N.A.	5.4	2.5	0.9	1.9	6,482	5,195	3,894	5,329
Mus musculus adult male olfactory brain cDNA, RIKEN full-length enriched library, clone:6430550H21 product:HYPOTHETICAL 38.5 KDA PROTEIN homolog	AK078264	24.5	29.3	6.5	11.3	25,935	40,122	28,998	32,930
Mouse Dp111 mRNA for polyposis locus protein 1-like 1 (TB2 protein-like 1), complete cds	AB039933	10.5	4.1	1.8	1.3	9,379	5,276	4,141	3,715
Mouse chromosome 17 clone GS-384N12, complete sequence	AC087217	11.8	6.9	1.6	2.3	787	775	608	715
Rat glutamate receptor interacting protein 2 mRNA, complete cds	AF205193	9.3	7.8	2.2	2.4	2,768	2,871	1,646	1,944
UI-R-C3-td-e-06-0-UI.s1 UI-R-C3 Rattus norvegicus cDNA clone UI-R-C3-td-e-06-0-UI 3'	AI548358	7.4	5.6	1.3	2.0	1,947	1,690	873	1,268
Rattus norvegicus cDNA clone UI-R-A0-bh-h-03-0-UI 3' similar H.sapiens mRNA for IL13 receptor $\alpha$ -1 chain	AA819589	10.6	8.8	1.5	4.9	7,476	9,836	4,020	12,477
Rattus norvegicus cDNA clone UI-R-DK0-cez-g-04-0-UI 3' Weakly similar to Notch 3 [Rattus norvegicus]	BI296384	24.8	16.1	1.3	5.5	2,986	3,254	864	2,139
Rat interferon-inducible protein 16 mRNA, complete cds	AF164040	5.8	6.7	1.6	2.9	3,038	4,616	2,003	3,250

Mouse cyclin ania-6b gene, partial sequence	AF185591	18.0	13.9	2.6	6.5	1,742	2,106	1,081	1,612
Incyte EST no homology	N.A.	8.1	7.9	1.1	4.0	3,481	3,819	1,203	3,087
Mouse fibroblast growth factor 1 gene, exon 3, complete sequence; and partial cds	AF067190	28.0	11.2	0.8	4.9	9,078	6,370	1,367	5,275
Mouse DHFR gene, exon 3	V00737	8.7	16.7	1.5	2.7	1,835	3,122	928	1,248
Rattus norvegicus cDNA clone UI-R-E1-fd-f-03-0-UI 5'. Similar to RNA binding motif, single stranded interacting protein 3; RNA-binding protein [Homo sapiens]	BF561068	10.0	9.8	0.8	3.2	24,938	30,883	6,549	21,348
Mouse p53 apoptosis-associated target (Perp) mRNA, complete cds	AF249870	13.1	9.4	0.7	4.5	21,416	26,560	4,977	18,723
Rat p65 mRNA	X52772	5.2	4.4	1.0	2.4	9,360	12,908	7,808	11,374
Mus musculus RIKEN cDNA 1300007F04 gene (1300007F04Rik), mRNA	XM_126132	6.2	5.4	1.0	1.7	790	902	598	685
Rattus norvegicus glutathione peroxidase 2 (Gpx2), mRNA	NM_183403	51.0	13.3	1.3	2.8	3,589	1,892	721	963
Mouse capping protein $\alpha$ 1 subunit mRNA, partial cds	U16740	4.4	4.7	2.6	1.0	4,429	6,066	6,594	2,713
UI-R-DO1-cms-k-22-0-UI.s1 UI-R-DO1 Rattus norvegicus cDNA clone UI-R-DO1-cms-k-22-0-UI 3'	BQ202872	3.9	4.8	2.0	0.8	6,929	8,894	6,260	3,161
INCYTE EST	N.A.	5.0	6.1	1.8	0.6	5,286	8,805	4,462	1,787
AMGNNUC:NRHY5-00457-A9-A W Rat hypothalamus (10471) Rattus norvegicus cDNA clone nrhy5-00457-a9 5'	CB695344	9.4	8.9	3.4	0.5	10,579	14,178	10,797	2,360
UI-R-DK0-cfw-b-04-0-UI.s1 UI-R-DK0 Rattus norvegicus cDNA clone UI-R-DK0-cfw-b-04-0-UI 3'. Similar to Solute carrier family 21 (organic anion transporter), member 12	BI290422	5.7	6.9	2.1	1.0	5,192	6,981	4,038	2,096
UI-R-CN0-bkw-d-11-0-UI.s1 UI-R-CN0 Rattus norvegicus cDNA clone UI-R-CN0-bkw-d-11-0-UI 3'	BF416987	5.7	5.4	3.0	1.2	8,094	10,867	10,818	5,923
Mouse transcription factor PBX1b (PBX1b) mRNA, complete cds	AF020197	6.6	6.7	3.1	1.8	3,082	3,982	2,906	1,859
Mouse transcription factor PBX1b (PBX1b) mRNA, complete cds	AF020197	6.6	6.9	3.0	1.6	2,684	3,841	2,803	1,631
Rattus norvegicus cDNA clone UI-R-CY0-bxq-f-10-0-UI 3'	BI277484	9.9	8.2	2.3	1.5	32,145	32,596	21,534	14,579
Rattus norvegicus cDNA clone UI-R-A1-do-b-05-0-UI 3'	AA901088	19.9	19.2	4.4	2.6	4,602	7,171	3,176	1,565
Mouse mRNA for AT motif-binding factor (ATBF1), complete cds	D26046	8.5	4.9	1.8	1.5	1,552	1,429	1,066	916
UI-R-CN0-bmi-a-11-0-UI.s1 UI-R-CN0 Rattus norvegicus cDNA clone UI-R-CN0-bmi-a-11-0-UI 3'. Length = 458	BF410961	3.1	5.1	0.9	1.0	896	976	668	674
Rat core protein (HSPG) mRNA, complete cds. =syndecan 2	M81687	3.4	8.8	2.0	1.7	2,213	5,022	2,250	2,244

Mouse NMRI fibroglycan (syndecan-2) gene, complete cds	U00674	3.1	8.7	1.9	1.5	14,836	33,370	17,834	16,066
dJ688G8.3 (Similar to chelonianin (basic protease inhibitor))	CAC18560	7.2	17.4	2.6	1.6	2,396	4,579	1,526	1,270
UI-R-BS0-anu-b-09-0-UI.s1 UI-R-BS0 Rattus norvegicus cDNA clone UI-R-BS0-anu-b-09-0-UI 3'. Length = 238 similar to deleted in colorectal cancer (DCC)	AW534258	6.1	10.4	1.7	1.2	11,014	17,410	5,314	4,596
unnamed protein product	BAA91341	9.5	19.8	2.4	0.9	2,277	5,323	1,762	917
Rat proline- and glutamine-rich protein mRNA, complete cds	AF192802	3.3	4.7	0.9	1.6	6,310	10,161	3,984	6,498
Rattus norvegicus cDNA clone UI-R-DN0-civ-h-20-0-UI 3' similar to Gcnt2 Glucosaminyltransferase, I-branching enzyme	BI292435	7.2	8.0	0.9	2.0	4,094	5,081	1,312	2,803
Rat mRNA for tissue factor pathway inhibitor precursor, complete cds	D10926	3.8	5.1	1.3	1.4	2,364	4,164	2,427	2,114
UI-R-CT0-buh-g-12-0-UI.s1 UI-R-CT0 Rattus norvegicus cDNA clone UI-R-CT0-buh-g-12-0-UI 3'	BG381237	4.8	7.1	1.3	1.2	656	818	582	586
Rat Robo2 mRNA, partial cds	AF182037	4.5	4.4	1.0	1.2	1,321	1,655	1,060	1,138
bA524D16A.1 (sushi-repeat-containing protein)	CAC16060	12.5	37.1	1.2	1.3	1,879	5,096	723	734
Rattus norvegicus cDNA clone UI-R-EA0-ckx-k-09-0-UI 3' similar to solute carrier family 39 (zinc transporter), member 4 [Homo sapiens] and Catecholamines up protein	BQ196656	103.6	265.6	1.6	1.4	13,954	31,245	1,208	1,017
Rat G-protein coupled thrombin receptor (PAR-1) mRNA, complete cds	M81642	8.4	15.7	1.5	1.7	7,945	15,615	3,106	4,560
UI-R-CA0-bhh-d-12-0-UI.s1 UI-R-CA0 Rattus norvegicus cDNA clone UI-R-CA0-bhh-d-12-0-UI 3'	BF402822	3.0	3.8	1.0	1.4	8,035	11,454	6,291	6,017
Mouse strain C3H/HeN mRNA preferentially expressed in LPS-normoresponsive macrophages. =NM_134392.1  Rattus norvegicus kinesin-related protein HASH (Hash), mRNA	AF032967	4.6	6.4	1.1	1.5	2,233	2,239	1,060	1,299
Mouse Down syndrome candidate region 1-like protein 1 (Dscr1l1) mRNA, complete cds. =calcineurin inhibitory protein ZAKI-4	AF237887	11.9	8.7	1.6	1.4	24,731	27,005	11,086	7,047
UI-R-DZ0-ckm-e-18-0-UI.s1 UI-R-DZ0 Rattus norvegicus cDNA clone UI-R-DZ0-ckm-e-18-0-UI 3'	BM388540	6.5	5.1	1.2	1.0	8,936	11,261	5,565	4,157
Rattus norvegicus cDNA clone UI-R-CN1-cly-a-20-0-UI 3'.	BQ194193	8.5	7.6	1.4	1.0	11,532	16,708	7,405	4,560
Mouse mRNA for PMP24 protein.	AJ271476	7.8	6.3	2.1	1.7	4,496	4,408	2,765	2,436

Mus musculus mRNA for calcineurin inhibitory protein ZAKI-4 $\beta$ , complete cds	AB061525	5.3	3.1	1.0	1.1	25,226	24,795	16,394	13,086
Prepro-Neuropeptide W polypeptide	NM_153294	4.1	8.2	1.4	1.6	646	1,016	587	613
Mouse chromosome 16 clone ct7-581i11 strain 129/Sv ES cell line CJ7, complete sequence	AC005817	5.1	4.5	0.9	1.8	911	954	695	944
Rat phospholipase C $\gamma$ -2, complete cds	J05155	1.2	8.5	1.0	0.4	1,530	7,388	2,018	968
Rat kidney extracellular calcium-sensing receptor mRNA, complete cds	U10354	0.9	16.8	0.9	0.2	597	2,851	794	533
Rat follistatin gene, exon 6, clones pROF(301-305)	M31591	0.6	10.5	1.9	0.4	540	2,744	1,123	642
Mouse CDO (Cdo) mRNA, complete cds	AF090866	0.6	2.5	1.0	0.3	477	782	617	536
Mouse mRNA for collagen type XIV, partial	AJ131395	0.5	2.5	1.1	0.3	481	845	637	543
Incyte EST	N.A.	0.6	1.1	1.5	0.3	739	1,105	1,699	730
PMEPA1 protein	AAF86322	3.7	1.7	0.6	3.3	11,547	9,480	7,302	15,650
SKAP55	CAA72101	12.4	2.6	0.9	13.5	1,027	608	561	1,404
Rattus norvegicus cDNA clone UI-R-DM1-ckc-1-19-0-UI 3'	BM391951	6.2	2.7	1.3	9.1	1,018	741	689	2,274
KIAA0967 protein	BAA76811	3.3	3.9	1.0	5.5	2,678	3,574	1,945	8,228
Incyte EST	N.A.	3.3	3.2	0.9	6.6	3,182	3,250	1,894	9,390
Mouse chromosome 17 clone GS1-11M9 strain 129svj, complete sequence	AC087216	5.9	3.2	1.1	6.2	1,335	1,002	783	2,283
Rat mRNA for sensory neuron synuclein	X86789	28.1	4.3	1.8	29.5	10,687	3,114	2,181	21,682
Mouse serine protease inhibitor (SPI3) mRNA, complete cds	U25844	7.3	5.2	2.2	9.0	20,170	19,122	15,183	35,108
Rat lens mRNA for aldose reductase (AR, EC 1.1.1.21)	X05884	4.0	5.0	2.4	11.3	16,125	26,177	23,892	41,140
Mouse chromosome 10 popeye protein 3 (Pop3) mRNA, complete cds	AF204176	5.8	4.1	1.8	10.2	1,211	1,213	976	2,484
Mouse mRNA for T-cadherin, complete cds	AB022100	5.7	5.7	1.4	11.0	6,291	6,875	3,543	14,082
Incyte EST	N.A.	2.7	2.0	1.0	7.8	2,308	2,037	1,806	10,085
FK506 binding protein precursor	AAF63478	3.3	2.4	1.2	6.4	5,323	4,200	3,763	12,044
Mouse partial mRNA for dysferlin (dysf gene)	AJ242954	6.3	4.3	1.8	25.9	1,808	1,638	1,161	8,877
Incyte EST	N.A.	2.0	2.1	0.8	4.3	6,133	6,880	4,323	19,364
Mouse Eya2 homolog mRNA, partial cds	U61111	2.8	5.6	0.2	54.1	1,627	2,960	656	14,407
Incyte EST	N.A.	1.4	1.7	0.5	5.3	2,633	3,578	1,866	11,629
polyprotein	AAG10201	1.6	1.3	0.9	6.0	536	529	557	1,096
transcribed sequence with moderate similarity to protein ref:NP_001227.1 (H.sapiens) carbonyl reductase 3	BQ206123	0.6	1.5	1.5	4.3	1,979	4,281	6,277	13,997
similar to AD037 protein containing RaIGDS/AF-6 domain	BI293840	0.5	1.4	1.0	5.0	978	2,091	2,203	7,681
similar to AD037 protein containing RaIGDS/AF-6 domain	XM_232305	0.6	1.5	1.0	5.8	688	1,335	1,441	4,833

axonemal dynein heavy chain	CAB94756	1.0	2.6	1.0	4.0	915	1,937	1,451	4,044
Rat inhibitor of apoptosis protein 1 mRNA, complete cds	AF183430	2.2	5.6	1.8	13.0	714	1,209	840	3,038
Cricetulus griseus layilin mRNA, complete cds	AF093673	1.3	0.7	1.2	6.9	592	539	732	1,746
Rattus norvegicus cDNA clone UI-R-DS0-cje-d-16-0-UI 3'	BM383125	1.3	3.4	1.0	28.9	460	571	509	1,411
INCYTE EST	N.A.	0.9	1.8	1.0	5.2	641	1,115	982	2,803
INCYTE EST	N.A.	0.9	1.0	1.5	4.7	707	812	1,365	3,501
INCYTE EST	N.A.	0.8	0.9	2.2	6.1	640	741	1,556	3,862
INCYTE EST	N.A.	1.1	1.3	1.3	4.8	534	552	669	1,093
neuronal tryptophane hydroxylase (Thp2)	NM_173839	1.6	1.5	1.3	6.4	795	823	917	1,922
Rattus norvegicus cDNA clone UI-R-C2p-qn-b-09-0-UI 3'.45nt similar to hypothetical Eukaryotic thiol (cysteine) proteases active site containing protein	AI555069	1.5	2.0	1.5	11.4	944	1,147	1,292	5,727
Rat rabphilin-3a related protein mRNA, complete cds.	AF022774	1.1	2.0	1.6	5.7	650	864	1,025	2,059
Incyte EST	N.A.	1.5	1.7	1.3	7.1	826	970	1,122	3,207
Rattus norvegicus neuroglobin (Ngb), mRNA	NM_033359	1.8	2.6	6.9	65.8	1,145	1,777	5,498	22,448
cytochrome b-561 (Cyb561)	NP_031831	1.4	1.6	2.7	28.3	6,028	9,694	19,679	42,424
Rattus norvegicus cDNA clone UI-R-A0-bf-d-10-0-UI 3' similar to emb X60819 HMSAOP14 H.sapiens DNA for monoamine oxidase type A (14)	AA858657	1.9	2.5	3.0	16.9	1,877	2,813	4,404	14,224
Rat Guanine nucleotide-binding protein G(S), $\alpha$ subunit (Adenylate cyclase-stimulating G $\alpha$ protein).	AF107845	1.3	2.6	2.5	21.0	10,689	18,380	25,686	40,956
Rattus norvegicus LOC299269 (LOC299269), mRNA weakly similar to interferon, $\alpha$ -inducible protein 27-like	XM_238467	1.7	1.4	2.2	24.9	1,896	1,874	4,257	22,562
Rat copper transporter 1 mRNA, complete cds	AF268030	2.0	2.3	1.7	39.1	2,810	3,704	4,602	35,292
Rattus norvegicus cDNA clone UI-R-EA0-ckw-i-06-0-UI 3' weakly similar to CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	BQ196724	1.5	1.7	1.2	13.0	2,713	3,329	3,496	20,752
Mouse Ccte gene for chaperonin containing TCP-1 $\epsilon$ subunit, complete cds.	AB022158	2.6	2.0	1.6	100.6	947	977	1,169	38,798
Rattus norvegicus cDNA clone RGIDW96	AW916943	1.2	1.3	5.0	#####	725	822	1,131	2,192
Rattus norvegicus cDNA clone UI-R-C1-lm-g-11-0-UI 5'	BF559920	1.9	2.3	1.8	22.5	1,145	1,296	1,584	14,046
Rat mama mRNA, complete cds. (=PEPTIDYLPROLYL ISOMERASE C-ASSOCIATED PROTEIN )	AF065438	2.0	3.0	1.6	7.8	2,226	3,492	3,027	12,459
collectin 34	BAA81747	2.2	3.8	2.3	20.3	1,163	1,827	1,756	10,535

Rattus norvegicus cDNA clone UI-R-CN1-cjg-c-10-0-UI 3.	BM386534	0.7	1.8	2.2	4.6	661	1,365	1,990	2,906
Rat mRNA for Rab3B protein	Y14019	0.7	2.4	2.3	10.8	2,618	8,350	13,009	27,863
Rattus norvegicus cDNA clone UI-R-DK0-ceq-g-09-0-UI 3' similar to hypothetical protein DKFZp564B1162 with RHOGAP domain	BI295380	0.9	2.0	1.5	4.1	2,178	5,041	5,428	11,832
Rat monoamine oxidase A gene, complete cds	D00688	0.8	1.5	1.7	8.3	9,880	21,161	37,077	48,513
Rat monoamine oxidase A gene, complete cds	D00688	0.8	1.2	1.8	11.8	1,753	2,532	4,895	26,907
poly(rC)-binding protein 3 (Pcbp3)	AF176327	1.6	1.0	0.9	4.4	9,421	7,577	11,146	25,390
neuronal tetraspanin	AAF19031	0.9	1.4	0.9	9.5	525	648	665	2,351
Rat fructose-1,6-bisphosphatase mRNA, complete cds	M86240	0.6	1.0	0.9	35.4	504	565	660	4,802
Rat dopamine $\beta$ -hydroxylase mRNA, complete cds	L12407	0.9	0.7	0.8	593.9	516	520	616	45,334
Mouse pigment epithelium-derived factor (PEDF) mRNA, complete cds	AF036164	1.0	1.1	1.0	12.2	575	595	716	2,863
Rat dopamine $\beta$ -hydroxylase mRNA, complete cds	L12407	1.3	1.0	1.1	31.4	510	485	624	1,965
INCYTE EST	N.A.	0.9	0.9	0.9	5.6	799	986	1,345	3,372
Incyte EST no sequence supplied	N.A.	0.9	0.8	0.7	9.7	513	521	595	1,254
Mouse RIBP (Ribp) mRNA, complete cds	AF203343	1.0	1.4	1.5	23.7	453	500	534	1,604
INCYTE EST	N.A.	1.4	1.2	1.3	5.2	652	750	1,031	2,755
Rat amino acid transporter y+LAT1 mRNA, complete cds	AF200684	1.7	1.0	2.1	5.1	1,564	1,225	2,656	5,328
palate, lung, and nasal epithelium expressed transcript (Plunc)	U69172	0.6	9.1	6.7	5.3	454	1,346	1,146	1,043
Rat PND gene encoding atrial natriuretic factor, complete cds	K02062	0.7	1.7	11.1	2.8	917	2,039	12,349	3,939
Rat PND gene encoding atrial natriuretic factor, complete cds	K02062	0.5	1.8	14.1	2.9	992	2,798	18,650	6,657
Rattus norvegicus cDNA clone UI-R-CV1-brw-a-04-0-UI 3' weakly similar to $\gamma$ -aminobutyric acid (GABA-A) receptor, subunit $\epsilon$	BG373206	0.9	1.3	28.2	6.7	486	565	3,802	1,461
10-formyltetrahydrofolate dehydrogenase	AAA70429	1.3	1.9	8.0	4.1	584	665	2,101	1,192
Rat (Sprague-Dawley) mRNA for growth hormone-releasing hormone -like peptide	Z34092	1.8	1.7	133.6	21.3	580	591	11,956	3,111
Rat CART protein mRNA, complete cds	U10071	0.4	0.6	19.6	5.2	2,151	4,042	51,276	25,625
10-formyltetrahydrofolate dehydrogenase	AAA70429	0.9	1.0	7.3	3.7	479	506	1,154	943
Rattus norvegicus cDNA clone UI-R-C4-alq-h-05-0-UI 3'	AW534235	0.6	1.8	3.2	6.8	486	695	1,124	1,884
ONECUT-2 transcription factor (OC-2)	CAB38253	0.6	0.8	4.5	7.2	768	1,002	5,492	7,027
Rat mRNA for glucokinase, alternatively spliced GK2 (EC 2.7.1.1)	X53588	0.7	1.4	32.7	41.8	435	545	2,304	2,882
Incyte EST	N.A.	1.1	1.0	2.6	5.5	530	520	845	1,243



Miwi 2 protein (Miwi2)	AY135692	1.1	1.5	5.3	14.5	687	951	2,803	4,707
Mus musculus cDNA clone UI-M-DJ2-bwb-j-08-0-UI 3'	BQ174977	0.5	1.0	3.9	13.4	540	782	2,040	7,043
dJ620E11.2 (novel protein similar to KIAA0188, KIAA0249 and yeast SMP2)	CAB57842	0.8	1.6	3.5	3.6	1,223	2,563	7,979	6,875
Mouse C1q-related factor mRNA, complete cds	AF095155	1.2	3.3	4.8	7.5	1,110	2,486	4,284	5,419
Rattus norvegicus cDNA clone UI-R-BT1-akv-g-05-0-UI 3'	AW531194	1.1	3.5	7.3	6.0	639	985	1,995	1,740
Incyte EST	N.A.	1.0	2.5	5.8	5.1	719	1,254	3,037	3,039
Rattus norvegicus cDNA clone UI-R-C0-hi-d-02-0-UI 3' similar to Necdin-like protein 1 and melanoma antigen, family L, 2 (Magel2), involved in Prader-Willi syndrome	AA996569	1.6	5.3	10.8	4.2	2,033	6,482	16,258	7,246
Rat huntingtin associated protein (rHAP1-B) mRNA, complete cds, alternatively spliced form	U38370	1.3	3.7	8.2	5.5	12,898	26,823	47,599	41,910
Rat mRNA for plasma glutathione peroxidase precursor, complete cds	D00680	5.2	7.4	16.3	40.7	4,072	7,262	17,621	22,780
unnamed protein product	BAA91387	2.2	2.2	2.8	8.5	2,770	3,345	5,614	12,005
Mouse ectonucleoside triphosphate diphosphohydrolase 3	AK046218	3.3	2.2	3.4	10.9	1,439	1,141	2,152	6,140
KIAA0605 protein protein hypothetical Thrombospondin type I repeat (TSP1) profile/Thrombospondin type I domain containing protein	BAA25531	2.4	2.7	15.2	39.2	1,416	1,932	12,129	20,186
Mouse neural retina-specific leucine zipper protein (NRL) mRNA, complete cds	L14935	1.4	1.8	3.1	6.3	498	541	676	971
Incyte EST no sequence supplied	N.A.	2.5	6.6	5.1	15.8	1,179	2,474	2,913	8,986
Incyte EST	N.A.	1.3	2.0	7.4	7.0	622	903	2,079	2,500
Incyte EST no homology	N.A.	1.4	1.0	2.5	12.0	480	461	613	1,072
Incyte EST similar to hypothetical Peptidase family M20/M25/M40 containing protein or anion transporter/exchanger-9	N.A.	2.5	1.0	6.2	9.0	552	465	894	1,014
Incyte EST	N.A.	0.6	1.1	2.1	4.1	487	595	944	1,442
Rat synapsin 2a mRNA, complete cds	M27925	0.8	0.6	1.7	4.1	1,720	2,054	6,621	7,693
Mouse protein tyrosine kinase ZAP-70 mRNA, complete cds	U04379	0.4	0.7	2.1	7.5	506	663	1,463	4,628
Rattus norvegicus regucalcin gene promotor region related protein (Rgpr), mRNA	NM_053571	0.2	0.8	1.5	3.5	780	1,477	3,328	6,976
Rattus norvegicus cDNA clone UI-R-BO0-ahn-f-03-0-UI 3'	AW522862	0.4	1.2	0.3	5.3	1,485	3,598	1,733	15,050
Rattus norvegicus cDNA clone UI-R-CW0-bvx-g-01-0-UI 3'	BG371623	0.4	0.4	0.9	3.8	529	530	882	2,690
Mouse TNF receptor associated factor 1 (TRAF1) mRNA, complete cds	L35302	0.7	0.7	1.0	5.0	525	545	681	1,601

Rat PGES mRNA for prostaglandin E synthase, complete cds	AB041998	0.5	1.0	1.2	4.0	501	639	896	1,959
Rat $\gamma$ glutamyl transpeptidase-related enzyme mRNA, partial cds	U76252	0.4	0.8	1.2	10.8	507	646	950	4,413
Rat mRNA for Ig heavy chain VDJ-region CH1-CH2	X68782	0.4	0.6	0.8	5.0	481	504	663	1,246
unnamed protein product, no homology	BAA91309	0.4	0.5	0.9	18.9	701	649	1,021	9,625
Rat gelatinase A mRNA, complete cds	U65656	0.8	0.7	0.3	3.6	764	865	807	3,786
Rattus norvegicus cDNA clone UI-R-CA1-bbw-h-04-0-UI 3'	BF387974	0.7	0.6	0.2	3.9	3,382	3,061	2,200	17,874
Rattus norvegicus cDNA clone UI-R-BT1-ako-f-11-0-UI 5'. Similar to sodium-dependent bile acid transporter	BF565662	0.5	0.6	0.3	10.5	559	648	618	5,363
Rattus norvegicus cDNA clone UI-R-BU0-anb-h-08-0-UI 3'. Weakly similar to zinc finger protein, multitype 1; Friend of GATA-1 [Mus musculus]	AW533438	0.9	0.4	0.3	7.5	621	516	595	3,433
Rat mRNA for I-gicerin/MUC18, complete cds	AB035506	0.7	0.7	0.4	4.3	2,542	3,373	3,278	11,573
Rattus norvegicus copper transporter 1 mRNA, complete cds.AF268030	AF268030	0.6	0.5	0.6	7.4	1,504	1,569	2,402	19,509
Mus musculus transcription factor AP-2 $\beta$ , full insert sequence	AK028906	0.3	0.4	0.4	19.2	439	450	497	2,885
Rat mRNA for long-chain acyl-CoA synthetase (EC 6.2.1.3).	D90109	0.6	0.8	0.8	4.9	8,283	10,577	17,140	44,874
unnamed protein product	BAB14064	0.3	0.3	0.5	67.4	856	875	1,602	41,856
Rat $\beta$ -alanine synthase mRNA, complete cds.	M97662	0.4	0.4	0.6	6.8	484	501	658	2,106
Mitochondrial uncoupling protein 3 UCP3	U92069	0.8	0.8	0.7	4.5	490	531	574	1,208
Rattus norvegicus cDNA clone UI-R-C3-te-e-09-0-UI 3'	AI548631	0.3	0.4	0.4	5.8	498	510	586	1,831
Mouse pigment epithelium-derived factor (PEDF) mRNA, complete cds	AF036164	0.1	0.2	0.2	12.7	479	674	710	12,720
Rat $\alpha$ 1 type V collagen mRNA, complete cds	AF272662	0.4	0.6	0.3	5.5	731	1,062	995	5,186
Rattus norvegicus cDNA clone UI-R-CV2-cht-d-08-0-UI 3'	BI299288	0.3	0.5	0.3	6.9	478	612	648	3,805
Rat aldehyde dehydrogenase mRNA, complete cds	J03637	0.6	0.6	0.7	12.0	452	481	535	1,490
Rat fibrillin-1 mRNA, complete cds.	AF135059	0.5	1.7	0.9	3.5	698	1,322	1,206	4,118
Incyte EST	N.A.	0.3	0.3	3.6	2.8	806	894	7,568	5,886
Rat adenylyl cyclase mRNA, complete cds	M80550	0.2	0.4	1.1	2.5	2,590	4,382	16,833	30,044
Rat degenerin channel MDEG mRNA, complete cds	U53211	0.2	0.2	1.4	2.5	648	752	3,169	3,944
Incyte EST	N.A.	0.2	0.3	1.5	2.0	865	1,489	8,077	10,517
unnamed protein product	BAB15639	0.3	0.6	1.2	1.5	629	1,102	2,523	2,789

KIAA0808 protein	BAA34528	0.1	0.3	0.8	2.2	520	862	1,709	4,581
PNG protein	CAA66121	0.3	0.2	1.0	2.0	585	578	1,121	1,360
Mouse CD40 mRNA, complete cds	M83312	0.2	0.4	0.4	2.5	488	617	734	1,558
Mouse EIG 180 mRNA for ethanol induced gene product, complete cds	AB023957	0.2	0.7	0.5	3.0	623	1,283	1,610	4,637
Rat heat stable antigen CD24 mRNA, complete cds	U49062	0.1	0.5	0.3	3.5	611	1,630	1,611	9,525
Rattus norvegicus cDNA clone UI-R-DK0-cez-c-07-0-UI 3'	BI296344	0.3	0.2	0.6	2.2	1,476	1,517	5,670	12,932
Rat $\beta$ -alanine synthase mRNA, complete cds	M97662	0.1	0.2	0.4	6.4	470	492	700	3,077
Rattus norvegicus cDNA clone UI-R-BJ0-aeo-b-12-0-UI 3'	AW254017	0.2	0.3	0.1	2.9	664	977	757	7,225
chromatin remodeling factor WCRF180	AAF32366	0.2	0.2	0.4	2.5	519	513	693	2,003
Mouse mRNA for IGFBP-like protein, complete cds.	AB006141	0.2	0.3	1.5	1.3	480	559	1,488	1,620
Rattus norvegicus cDNA clone UI-R-CV0-brm-d-06-0-UI 3'	BG372104	0.1	0.3	1.0	1.2	633	1,400	5,673	5,316
Rat Edg-1 orphan receptor (edg-1) mRNA, complete cds	U10303	0.2	0.4	1.0	0.8	2,787	5,675	20,543	13,856
Rat neuronal olfactomedin-related ER localized protein (D2Sut1e) mRNA, complete cds.	U03417	0.1	0.4	0.7	0.9	2,147	7,826	21,702	19,831
Rat glucocorticoid receptor mRNA, complete cds	M14053	0.2	0.4	0.6	1.1	1,981	2,748	6,518	7,103
Incyte EST	N.A.	0.1	0.2	0.6	1.3	694	1,068	3,227	5,604
Rat glutathione S-transferase mRNA, complete cds	J03752	0.2	0.2	0.5	1.3	1,104	1,745	4,811	10,599
Rat hepatic product spot 14, gene and flanks	K01934	0.1	0.1	0.5	0.7	556	648	1,643	2,137
Cricetinae gen. sp. insulin receptor tyrosine kinase 53 kDa substrate mRNA, complete cds	U41899	0.1	0.1	0.5	1.0	573	729	2,048	3,645
Rat myr 6 myosin heavy chain mRNA, complete cds.	U60416	0.1	0.1	0.9	0.8	609	948	5,643	5,055
Rat mRNA for pre- $\alpha$ -inhibitor, heavy chain 3	X83231	0.2	0.3	0.7	1.0	4,388	5,149	18,162	21,423
unnamed protein product	BAA92093	0.2	0.3	0.9	1.0	694	805	2,285	2,398
Incyte EST	N.A.	0.5	0.2	0.2	0.9	1,074	792	1,070	3,596
Mouse mas proto-oncogene and Igf2r gene for insulin-like growth factor type 2 and L41ps and Au76 pseudogenes	AJ249895	0.1	0.3	0.4	0.8	587	766	1,320	2,563
Rat mRNA for RT1.B-1( $\alpha$ ) chain of integral membrane protein	X14879	0.1	0.3	0.1	1.0	651	975	780	3,472
Rat mRNA for MHC class II-associated invariant chain	X14254	0.1	0.1	0.1	1.1	864	965	1,128	5,231
Rat (diabetic BB) MHC class II $\alpha$ chain RT1.D $\alpha$ (u)	Y00480	0.1	0.1	0.1	0.9	665	650	727	2,856
Mouse clone 41 developing liver stage specific mRNA	U06946	0.2	0.3	0.3	1.2	1,257	1,546	2,488	8,157

Rat xanthine dehydrogenase mRNA, complete cds	J05579	0.2	0.3	0.3	1.5	652	734	959	3,025
Rat xanthine dehydrogenase mRNA, complete cds.	J05579	0.2	0.2	0.3	1.4	678	785	1,147	3,999
Rat cardiac troponin T mRNA, complete cds, clone RCT11	M26051	0.1	0.1	0.1	2.9	549	728	825	9,185
INCYTE EST	N.A.	0.2	0.2	0.3	2.1	742	938	1,588	6,907
Incyte EST	N.A.	0.3	0.3	0.5	1.4	679	792	1,295	3,065
Rat neuropeptide Y mRNA, complete cds	M15880	0.0	0.1	0.1	4.4	656	889	1,759	25,043
Rat m1 muscarinic acetylcholine receptor gene	M16406	0.1	0.1	0.2	1.4	545	601	790	2,816
Mouse mRNA for src-like adaptor protein	AJ131777	0.0	0.1	0.0	0.7	617	850	658	3,873
Rat fos-related antigen DNA, exon 4	X98051	0.1	0.1	0.1	0.4	621	813	1,444	3,785
Rat mRNA for muscle C-protein	X90475	0.1	0.1	0.1	0.4	475	503	569	1,025
Mouse mRNA for estrogen-responsive finger protein, complete cds	D63902	0.2	0.2	0.2	0.8	1,030	1,037	1,353	4,203
Rat mRNA for cyclin B	X64589	0.3	0.2	0.3	1.1	1,191	1,136	1,750	5,360
Mouse ataxin 2-binding protein (A2bp) mRNA, complete cds	AF107204	0.1	0.1	0.2	1.0	863	1,191	2,605	7,022
Incyte EST	N.A.	0.2	0.2	0.3	0.8	950	1,278	2,574	6,202
Mouse ataxin 2-binding protein (A2bp) mRNA, complete cds	AF107204	0.1	0.1	0.1	0.6	533	630	870	1,972
Rat heat shock protein 27 (hsp 27) gene, complete cds	S67755	0.1	0.2	0.1	0.6	614	820	1,007	2,291
INCYTE EST	N.A.	0.3	0.2	0.4	1.4	653	669	1,036	2,267
INCYTE EST	N.A.	0.3	0.2	0.4	1.3	534	526	747	1,631
Mouse major histocompatibility locus class III regions Hsc70t gene, partial cds; smRNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes	AF109905	0.3	0.5	0.2	1.9	1,202	1,886	1,652	7,102
Rat connexin (CXN-37) gene, complete cds	M76532	0.3	0.3	0.3	1.6	531	647	779	1,752
Rat pituitary adenylate cyclase activating polypeptide precursor protein mRNA, complete cds	M63006	0.2	4.0	0.3	1.4	591	5,171	1,194	3,115
Neuroblastoma	BAA13745	0.9	0.3	2.4	0.2	580	484	1,177	554
Rat mRNA for hepatocyte nuclear factor 6 $\alpha$	X96553	0.1	0.5	27.4	0.3	478	752	20,202	783
Rat vesicular GABA transporter (VGAT) mRNA, complete cds	AF030253	0.5	0.7	4.2	0.5	1,417	1,791	8,094	1,853
Rat developmentally regulated intestinal protein (OCI-5) mRNA (glypican 3), complete cds	M22400	0.3	0.7	26.3	0.3	608	1,317	20,753	934
Mus musculus LIM domain only 2 (rhombotin homolog 2)	A39370	0.4	0.6	5.5	0.4	754	936	5,558	978

Mouse mRNA for Lim-homeodomain protein Islet1	AJ132765	0.4	0.3	21.4	0.2	503	528	9,267	590
Rattus norvegicus cDNA clone UI-R-BS2-bdy-g-07-0-UI 3'	BF396492	0.3	0.5	40.0	0.2	451	521	8,549	539
UI-R-C4-aly-h-12-0-UI.s1 UI-R-C4 Rattus norvegicus cDNA clone UI-R-C4-aly-h-12-0-UI similar to HNF6 Hepatocyte nuclear factor 6 (HNF-6) (One cut domain family member 1)	AW535616	0.5	0.4	89.1	0.4	446	458	8,694	532
Rat TTF-1 mRNA for thyroid nuclear factor 1	X53858	0.3	0.3	10.4	0.3	464	462	2,399	531
Rat homeoprotein (rDlx) mRNA, complete cds	L24443	0.2	0.2	7.2	0.1	472	473	1,773	523
Rattus norvegicus cDNA clone UI-R-C2p-qq-c-12-0-UI 3'	AI555460	0.3	0.3	4.5	0.3	498	503	2,311	555
Rattus norvegicus cDNA clone UI-R-BO1-ajs-b-09-0-UI 3'. Weakly similar to immunoglobulin superfamily containing leucine-rich repeat, (slit homolog 1?)	AW527248	0.1	0.1	8.2	0.1	563	617	11,795	733
Rat enkephalinase (neutral endopeptidase) mRNA	M15944	0.2	0.3	8.9	0.2	475	554	5,267	653
Rattus norvegicus cDNA clone UI-R-A1-dw-d-10-0-UI 3'	AA901371	0.7	1.2	3.3	0.3	1,159	2,068	7,366	976
Mouse stanniocalcin precursor, mRNA, complete cds	AF099098	0.2	0.8	2.9	0.7	497	845	1,770	786
Mouse retinaldehyde dehydrogenase 3 mRNA, complete cds	AF253409	0.9	0.7	7.1	0.4	1,360	1,141	6,462	969
Rat mRNA for prepronociceptin	X97375	0.7	0.5	5.8	1.1	1,270	1,338	11,096	3,090
Rat mRNA for vascular type-1 angiotensin II receptor	X62295	0.2	1.2	5.2	0.1	458	755	2,279	522
Mouse phospholipid scramblase 1 mRNA, complete cds.	AF159593	0.3	1.1	2.3	1.3	492	714	1,327	1,061
putative secreted protein ZSIG9	AAF01433	1.9	4.1	0.1	0.2	904	1,850	543	636
Mus musculus RIKEN cDNA 5430406M13 gene (5430406M13Rik), mRNA similar to mesenchymal stem cell protein DSC54	XM_128866	2.8	3.3	0.5	0.2	1,468	1,527	834	628
Rat $\alpha$ -1B adrenergic receptor mRNA, complete cds	M60655	1.5	3.8	0.8	0.2	3,678	8,541	3,597	1,130
ESTs Highly similar to cyclin D2	N.A.	1.1	2.6	0.3	0.3	2,560	5,641	1,341	1,436
Myopodin protein =synaptopodin-2	CAB51856	1.2	3.2	0.4	0.2	2,379	4,926	1,364	1,222
Mus musculus 2 days neonate thymus thymic cells cDNA, RIKEN full-length enriched library, clone:E430007D18 product:special AT-rich sequence binding protein 1, full	AK088204	2.0	1.5	0.4	0.2	6,213	5,420	2,411	1,549
Mus musculus 2 days neonate thymus thymic cells cDNA, RIKEN full-length enriched library, clone:E430007D18 product:special AT-rich sequence binding protein 1, full	AK088204	2.4	1.4	0.2	0.1	4,325	3,366	1,095	794
Rat liver $\alpha$ -2-macroglobulin mRNA, complete cds	J02635	2.0	1.9	0.5	0.2	3,066	3,949	2,077	1,086

Mouse mRNA for cadherin-associated protein (CAP102/ $\alpha$ catenin)	D90362	1.2	1.7	0.4	0.2	14,406	20,593	11,524	5,429
CADHERIN 11	X77557	1.6	2.1	0.5	0.2	5,782	8,749	3,389	1,857
INCYTE EST	N.A.	2.0	3.3	0.2	0.1	6,030	11,818	2,036	1,218
Mus musculus 15 days embryo head cDNA, RIKEN full-length enriched library, clone:D930020D06 product:forkhead box P2, full insert sequence	AK053022	2.4	4.9	0.2	0.1	1,505	2,964	616	524
Rat Sprague-Dawley SM-20 mRNA, complete cds	U06713	2.3	1.9	0.4	0.1	1,453	1,582	925	539
C.griseus rhodopsin gene for opsin protein	X61084	3.2	1.4	0.4	0.2	1,488	942	663	596
Rattus norvegicus similar to hypothetical protein dJ434O14.3 [Homo sapiens] (LOC289387), mRNA	XM_213978	1.7	2.3	0.5	0.2	1,472	2,063	877	705
INCYTE EST	N.A.	1.2	1.4	0.5	0.2	1,040	1,229	918	705
Rattus norvegicus cDNA clone UI-CA1-bix-f-16-0-UI 3'	BF403670	3.7	2.8	0.2	0.3	3,467	3,192	783	942
Rat mRNA for protein kinase C $\alpha$	X07286	3.4	1.1	0.2	0.5	2,360	1,092	763	973
DRNBTE01 Rat DRG Library Rattus norvegicus cDNA clone DRNBTE01 5'	BG673363	3.4	0.9	0.3	0.3	18,737	9,850	5,933	5,488
Mouse TFPI $\beta$ (TFPI $\beta$ ) mRNA, partial cds	AF016313	1.0	0.9	0.2	0.2	1,251	1,277	767	860
Mouse transgelin mRNA, complete cds	AF149291	1.0	1.0	0.2	0.2	3,439	3,987	1,899	1,599
Incyte EST	N.A.	0.9	1.2	0.2	0.2	1,433	1,739	744	1,060
Rat neuritin mRNA, complete cds	U88958	1.5	1.1	0.1	0.4	962	942	547	699
Mouse ets-related transcription factor (Etv5) mRNA, complete cds	AY004174	1.7	1.3	0.2	0.3	4,392	3,729	1,308	2,098
Mouse mRNA for voltage gated calcium channel $\alpha$ -2- $\delta$ -C subunit	AJ010949	1.9	1.2	0.2	0.2	921	903	657	591
Mouse frezzled (fre) mRNA, complete cds	U68058	1.0	0.5	0.1	0.2	766	604	586	618
Mouse left-right dynein (Lrd) mRNA, complete cds	AF183144	0.9	0.8	0.2	0.3	1,678	1,668	871	1,200
insulin-like growth factor I {exon 6} [rats, Genomic/mRNA, 7224 nt]	S43941	2.9	1.2	0.9	0.2	2,468	1,249	1,293	734
Rat insulin-like growth factor I (IGF-I) mRNA, complete cds	M15481	4.1	1.5	0.9	0.1	6,866	4,176	3,907	929
Mus musculus, claudin 1, clone IMAGE:3493550, mRNA	BC008536	0.5	2.0	0.3	0.4	498	781	555	560
Rat mRNA for LTBP-2 like protein	Y12760	1.5	1.5	0.2	0.7	756	706	544	776
Mouse GARP45 mRNA, complete cds	AB018374	0.8	1.3	0.6	0.2	1,342	2,188	1,699	941
Incyte EST	N.A.	0.8	1.2	0.8	0.2	3,579	4,866	4,764	1,689
Mouse mRNA for GATA-3 transcription factor	X55123	0.9	1.1	0.7	0.1	672	720	748	536

KIAA1580 protein	BAB13406	0.6	0.9	1.4	0.1	3,491	5,744	12,255	1,349
Incyte EST	N.A.	0.7	0.9	1.2	0.2	1,943	2,287	4,608	1,106
Mouse mRNA for P24 protein, complete cds	D83206	0.7	0.7	1.2	0.1	6,147	8,903	20,684	1,730
Mouse brain cDNA, clone MNCb-2875.	AB041807	0.8	0.7	1.0	0.1	9,329	11,848	23,147	2,845
Mouse apoptosis-related RNA binding protein (Napor-1) mRNA, complete cds	AF090696	0.9	0.7	0.7	0.1	9,451	8,986	13,133	2,729
Rat mRNA for protein tyrosine phosphatase $\epsilon$ M, partial cds	D78613	1.0	0.7	1.0	0.2	1,108	1,129	1,918	745
Rat mRNA for protein tyrosine phosphatase $\epsilon$ -like 2, partial	Y07834	1.0	0.7	1.0	0.1	1,018	1,025	1,687	645
Mouse cell death activator CIDE-A (Cide-a) mRNA, complete cds	AF041376	0.7	1.7	0.5	0.1	1,066	1,936	1,155	568
Mouse retinally abundant regulator of G-protein signaling mRGS-r (RGS-r) mRNA, complete cds	U94828	2.4	2.0	0.9	0.1	3,453	3,607	2,780	658
Rat clone C53 CDK5 activator-binding protein mRNA, complete cds	AF177476	1.1	1.7	0.8	0.2	2,972	4,509	3,800	1,231
Incyte EST	N.A.	1.1	1.2	1.0	0.1	3,139	4,474	6,371	1,108
Incyte EST	N.A.	1.2	1.1	0.6	0.2	1,534	1,545	1,388	734
Rat calcium-independent $\alpha$ -latrotoxin receptor homolog 2 (CIRL-2) mRNA, complete cds	AF063102	1.3	1.2	3.1	0.1	2,837	3,115	9,132	741
Rat calcium-independent $\alpha$ -latrotoxin receptor homolog 2 (CIRL-2) mRNA, complete cds	AF063102	1.2	1.2	3.1	0.1	7,531	8,236	26,920	1,203
Incyte EST	N.A.	0.9	0.9	1.7	0.1	5,284	4,690	14,994	1,928
Incyte EST	N.A.	1.5	1.1	2.0	0.2	4,214	4,174	9,437	1,640
Incyte EST	N.A.	1.3	0.6	2.1	0.2	842	687	1,805	566
KIAA1132 protein	BAA86446	1.3	0.7	0.6	0.2	1,034	898	1,037	648
Incyte EST	N.A.	1.7	0.5	0.4	0.2	1,144	675	696	591
Incyte EST	N.A.	2.1	1.0	0.3	0.1	2,303	1,218	890	634
Incyte EST	N.A.	0.3	1.1	0.5	0.1	480	641	622	523
Rat purine-selective sodium/nucleoside cotransporter (rCNT2) mRNA, complete cds	U66723	0.3	0.8	0.8	0.2	1,360	3,681	5,531	1,299
Rat glycoprotein CD44 (CD44) mRNA, complete cds	M61875	0.1	0.6	0.4	0.1	472	933	797	564
Rat differentiation-associated Na-dependent inorganic phosphate cotransporter (DNPI) mRNA, complete cds	AF271235	0.1	1.0	0.4	0.1	1,153	5,100	3,252	1,463
Rat guanine nucleotide binding protein $\gamma$ subunit 11 mRNA, complete cds	AF257110	0.3	0.7	0.2	0.1	765	1,214	802	731
Rat Ninj2 mRNA for ninjurin2, complete cds	AB040815	0.7	0.7	0.5	0.2	1,080	1,225	1,331	742

Incyte EST	N.A.	0.4	0.4	0.1	0.1	966	1,172	809	684
Incyte EST	N.A.	0.6	0.3	0.2	0.1	2,266	1,701	1,464	1,236
LOMP protein	AAD33924	0.5	0.2	0.1	0.1	5,501	2,675	2,326	1,340
Mouse carbonic anhydrase VII (Car7) mRNA, partial cds	AF291660	0.5	0.4	0.1	0.1	778	848	746	685
Incyte EST	N.A.	0.3	0.4	0.6	0.1	629	835	1,469	705
CG2221 gene product	AAF46578	0.4	0.4	0.6	0.1	1,629	2,041	3,843	1,107
Incyte EST	N.A.	0.2	0.4	0.8	0.1	678	1,298	2,752	632
Incyte EST	N.A.	0.3	0.5	0.5	0.1	1,936	3,881	6,372	1,217
Mouse calcium- and diacylglycerol-regulated guanine nucleotide exchange factor I (CalDAG-GEFI) mRNA, complete cds	U78171	0.3	0.7	0.7	0.1	1,140	2,145	3,050	765
Incyte EST	N.A.	0.3	0.4	0.5	0.1	817	1,022	1,479	688
Incyte EST	N.A.	0.7	0.5	0.4	0.1	1,945	1,792	2,476	947
Incyte EST	N.A.	0.6	0.4	0.4	0.1	1,213	1,189	1,642	696
Incyte EST	N.A.	0.7	0.5	0.4	0.1	1,103	1,065	1,304	610
Rat mRNA for scrapie responsive protein 1	AJ132434	0.3	0.2	0.4	0.1	650	690	1,261	573
aldo-keto reductase a	AAF42808	0.2	0.2	0.4	0.1	787	827	1,405	602
Incyte EST	N.A.	0.4	0.2	0.4	0.1	1,166	800	1,842	659
Mouse brain cDNA, clone MNCb-7013, similar to Mouse (Mus musculus) potassium channel Kv4.2 mRNA	AB045326	0.3	0.3	0.5	0.1	1,173	1,736	3,768	980
Incyte EST	N.A.	0.4	0.4	0.8	0.1	5,795	6,771	21,894	2,993
Rat mRNA for monocarboxylate transporter MCT2	X97445	0.3	0.3	0.4	0.1	1,890	2,082	3,654	1,328
Rat Apo D mRNA.	X55572	0.4	0.5	0.2	0.1	3,806	5,396	4,213	1,638
Rat mRNA for transferrin, complete cds	D38380	0.3	0.4	0.2	0.1	7,627	8,892	8,531	2,606
Rat mRNA for Myelin-associated/Oligodendrocytic Basic Protein-81	X89637	0.2	0.2	0.1	0.0	2,010	2,283	2,340	894
Rat putative G-protein coupled receptor GPCR91 (Gpcr91) mRNA, complete cds	AF090347	0.2	0.2	0.1	0.0	2,978	2,795	3,508	1,197
Incyte EST	N.A.	0.2	0.2	0.2	0.0	1,542	1,960	2,060	792
Rat mRNA for carbonic anhydrase II	X58294	0.2	0.2	0.1	0.0	3,369	3,996	4,765	1,222
Incyte EST	N.A.	0.4	0.4	0.3	0.1	3,188	3,791	4,181	1,596
Incyte EST	N.A.	0.2	0.1	0.0	0.0	1,079	954	804	567



Incyte EST	N.A.	0.3	0.3	0.2	0.1	2,007	2,338	3,086	881
Mouse apoptosis-related RNA binding protein (Napor-3) mRNA, complete cds	AF090697	0.5	0.5	0.4	0.1	4,569	5,195	7,149	1,471
Incyte EST	N.A.	0.2	0.4	0.3	0.0	1,948	3,848	5,033	1,040
Rat mRNA for phosphodiesterase I	D28560	0.3	0.4	0.4	0.1	3,805	5,847	9,894	1,903
Mouse oligodendrocyte-specific protein mRNA, complete cds	U19582	0.4	0.4	0.3	0.1	7,438	7,880	11,306	2,264
Incyte EST	N.A.	0.5	0.5	0.4	0.1	2,600	2,700	3,767	1,487
Incyte EST	N.A.	0.5	0.5	0.4	0.1	2,683	3,063	3,891	1,382
Incyte EST	N.A.	0.4	0.4	0.3	0.0	4,067	6,250	5,747	1,153
Mouse mRNA for CA XIV, complete cds	AB005450	0.4	0.5	0.3	0.1	1,598	2,171	1,849	894
Mouse mRNA for CA XIV, complete cds	AB005450	0.4	0.5	0.2	0.1	1,296	1,859	1,673	690
Incyte EST	N.A.	0.4	0.4	0.3	0.1	2,273	2,435	2,588	1,055
Rattus norvegicus cDNA clone UI-R-DKO-cea-c-05-0-UI 3'	BI294233	0.1	0.3	0.2	0.0	594	1,554	1,401	613
Mouse FKBP65RS mRNA, complete cds	AF279263	0.4	1.0	0.2	0.1	2,014	6,192	2,113	1,117
Mouse ecotropic viral integration site 9 isoform C (Evi9) mRNA, complete cds	AF169037	0.3	0.6	0.1	0.1	626	1,114	722	535
Rat Drosophila polarity gene (frizzled) homologue mRNA, complete cds	L02529	0.3	0.8	0.1	0.1	1,712	4,144	1,406	992
Rat Drosophila polarity gene (frizzled) homologue mRNA, complete cds	L02529	0.4	1.1	0.2	0.1	717	1,661	797	617
INCYTE EST	N.A.	0.2	0.7	0.1	0.0	1,037	2,876	917	715
Incyte EST	N.A.	0.5	0.8	0.3	0.1	1,070	1,397	919	768
Mouse osf-2 mRNA for osteoblast specific factor 2, complete cds	D13664	0.5	1.0	0.3	0.1	754	1,069	822	566
Incyte EST	N.A.	0.6	0.7	0.2	0.1	1,956	2,058	1,320	1,075
Incyte EST	N.A.	0.9	0.9	0.2	0.1	1,665	1,701	790	671
bK984G1.1 (supported by FGENES)	CAB41538	1.2	0.8	0.1	0.1	3,948	3,252	1,245	963
Incyte EST	N.A.	0.8	0.5	0.1	0.1	1,863	1,827	806	688
Mouse zinc finger protein (Mtsh1) mRNA, partial cds	AF191309	0.7	0.8	0.4	0.2	2,878	4,239	3,327	1,759
Incyte EST	N.A.	0.6	0.5	0.1	0.0	5,089	5,695	2,740	1,032
Incyte EST	N.A.	1.3	0.6	0.2	0.0	4,208	3,480	1,786	720
hypothetical protein	CAB53247	0.9	1.0	0.2	0.1	1,880	2,567	1,264	867
Incyte EST	N.A.	1.0	1.0	0.2	0.1	2,720	3,488	1,512	1,042

Mouse nuclear LIM-only 4 protein (Lmo4) mRNA, complete cds	AF102817	1.0	1.2	0.1	0.1	7,228	10,381	2,784	2,075
Mouse mRNA encoding lysine-ketoglutarate reductase/saccharopine dehydrogenase	AJ224761	1.2	1.3	0.3	0.1	2,425	2,728	1,147	763
Mouse ATP-binding cassette protein (Abca8) mRNA, partial cds	AF213393	0.6	1.7	0.2	0.1	4,484	11,963	2,715	1,055
RasGAP-related protein	AAB37765	0.5	0.6	0.1	0.1	1,693	1,996	954	787
Incyte EST	N.A.	0.8	0.7	0.4	0.1	921	913	1,006	713
Mouse groucho-related protein (Grg2) mRNA, complete cds	AF145958	0.8	1.0	0.7	0.2	4,425	5,155	6,266	2,409
Rat protein kinase C $\epsilon$ subspecies	M18331	1.1	1.2	0.5	0.1	10,741	15,182	12,524	1,712
Rat protein kinase C-binding protein NELL2 mRNA, complete cds	U48245	0.9	1.0	0.5	0.2	5,681	7,975	7,542	2,853
Rat protein kinase C-binding protein NELL2 mRNA, complete cds	U48245	0.9	1.1	0.3	0.1	8,634	9,971	6,416	1,635
Mouse mRNA for protein kinase C, complete cds	D11091	0.9	0.7	0.4	0.2	4,259	3,404	3,114	1,904
Rat PKC theta mRNA, partial cds	AB020614	0.9	0.7	0.4	0.2	5,109	4,029	3,591	1,951
tuftelin	AAC04577	0.3	1.6	0.4	0.2	616	1,160	885	668
Rat lipoprotein lipase mRNA, complete cds	L03294	0.1	2.0	0.1	0.0	819	7,556	1,170	704
Rat cell adhesion regulator (CAR1) mRNA, complete cds	U76714	0.2	0.6	0.1	0.1	978	1,954	966	876
Rat mRNA for leukosialin	Y00090	0.3	0.9	0.2	0.1	714	967	611	602
Rat CDK108 mRNA.	Y17328	0.0	0.9	0.1	0.0	785	11,217	1,972	1,194
Rat glia-derived nexin (GDN) mRNA, 5' end	M17784	1.1	0.4	0.5	0.2	12,403	6,347	11,164	5,221
Rat osteoactivin mRNA, complete cds	AF184983	1.0	0.2	0.4	0.2	1,566	839	1,378	908
Rat protein kinase C $\delta$ subspecies	M18330	0.9	0.2	0.1	0.1	2,593	1,085	1,101	932
DNA polymerase eta	AAD05272	0.4	0.3	1.2	0.1	455	453	610	494
INCYTE EST	N.A.	0.4	0.3	1.8	0.1	1,332	1,274	8,772	966
Rat Sam68-like protein SLM-2 (Slm-2) mRNA, complete cds	AF152547	0.5	0.4	1.4	0.2	1,176	1,429	5,360	992
HOMEBOX PROTEIN SIX3	NM_023990	0.2	0.1	2.4	0.0	606	593	4,685	551
Rat mRNA for Mac-MARCKS protein (F52 gene)	AJ301677	0.3	0.7	1.4	0.1	2,259	5,182	15,389	1,516
Rat phospholipase C- $\beta$ 1b mRNA, complete sequence	L14323	0.4	0.6	1.5	0.1	5,004	9,840	31,108	3,388
Rat phospholipase C- $\beta$ 1b mRNA, complete sequence	L14323	0.4	0.6	1.7	0.1	5,652	9,443	30,123	3,697
Incyte EST (similar to gad65)	N.A.	0.4	0.3	3.1	0.0	3,001	3,525	28,428	892
Rat mRNA for atypical PKC specific binding protein, complete cds	AB005549	0.4	0.4	1.3	0.2	1,999	2,113	8,409	1,838

Rat basic transcription element binding protein 2 (Bteb2) mRNA, complete cds	AF182101	0.5	0.5	1.9	0.2	573	625	1,697	618
Rat PV-1 mRNA, complete cds	AF154831	0.4	0.3	1.5	0.2	600	614	1,972	702
Mouse homeobox protein Lim1 (Lim1) exons 1-4, complete sequence	AF039705	0.3	0.2	2.1	0.2	1,462	1,220	11,946	1,509
Mouse prospero-related homeobox 1 (Prox1) mRNA, complete cds	AF061576	0.5	0.4	1.0	0.1	521	591	775	544
KIAA1613 protein similar to cationic amino acid transporter	BAB13439	0.1	0.3	2.6	0.7	789	2,097	17,214	6,591
Incyte EST	N.A.	0.2	0.3	1.6	0.7	506	646	1,972	1,206
Incyte EST	N.A.	0.1	0.2	1.6	0.5	982	1,535	14,521	5,059
Mouse mRNA for forkhead protein FKHR (Fkhr gene)	AJ252157	0.1	0.2	1.1	0.4	910	1,794	10,900	4,124
cDNA clone similar to voltage-dependent calcium channel, $\alpha$ 11 subunit	BE095865	0.1	0.2	1.3	0.3	521	907	4,087	1,192
Incyte EST	N.A.	0.2	0.6	1.2	0.6	799	1,675	3,702	2,165
tetraspan TM4SF; Tspan-1	AAC69714	0.2	0.3	1.1	0.4	1,283	1,492	7,594	2,833
Mouse partial mRNA for stretch response protein 553 (sr553 gene)	AJ250188	0.2	0.2	1.4	0.2	473	581	1,885	658
Rat mRNA for glutamic acid decarboxylase	X57573	0.1	0.0	1.3	0.1	1,484	1,593	32,716	1,942
Mouse zinc transporter ZnT-3 (ZnT-3) mRNA, complete cds	U76007	0.0	0.0	1.7	0.0	737	994	19,632	1,088
Mouse gene for Arx homeodomain protein, exon 5 and complete cds	AB026674	0.0	0.1	5.9	0.0	472	657	16,661	553
Mouse mRNA, one isoform of PTP-RL9	D83204	0.1	0.1	0.4	0.1	1,050	959	4,393	1,035
Incyte EST	N.A.	0.1	0.1	1.0	0.0	924	978	9,044	979
Incyte EST	N.A.	0.1	0.2	0.5	0.1	481	724	1,994	615
Incyte EST	N.A.	0.2	0.3	0.8	0.1	757	1,180	3,493	1,008
Rat mRNA encoding rat pre-prosomatostatin (isolated from a medullary thyroid carcinoma)	V01271	0.1	0.1	0.4	0.1	496	721	1,863	634
Incyte EST	N.A.	0.1	0.2	0.8	0.1	587	920	3,619	988
Incyte EST	N.A.	0.1	0.1	0.5	0.1	1,042	1,198	7,207	1,267
Incyte EST	N.A.	0.1	0.3	0.6	0.1	485	637	1,146	556
Incyte EST	N.A.	0.1	0.1	0.4	0.0	1,087	1,635	7,265	957
Incyte EST	N.A.	0.1	0.2	0.6	0.1	1,351	2,632	8,411	1,923
Incyte EST	N.A.	0.2	0.4	0.8	0.2	1,429	3,031	7,906	2,012
Incyte EST	N.A.	0.2	0.4	0.8	0.2	2,589	6,002	17,101	3,635
Incyte EST	N.A.	0.3	0.4	1.1	0.2	636	763	1,717	697

Incyte EST	N.A.	0.3	0.2	0.9	0.1	558	572	1,225	531
Rat insulin-like growth factor binding protein 5 mRNA, 3' UTR	AF139830	0.2	0.6	1.7	0.2	1,299	4,341	15,354	2,715
Incyte EST no sequence homology	N.A.	0.1	0.4	1.1	0.2	1,592	5,963	20,574	3,542
Rat neuropilin mRNA, complete cds	AF016296	0.1	0.3	0.8	0.1	479	1,002	2,334	758
Mouse COUP-TF1	X74134	0.1	0.1	0.3	0.1	906	1,331	5,352	1,387
Mouse zic mRNA for Zic protein, complete cds	D32167	0.0	0.0	0.1	0.0	517	593	3,210	1,327
Incyte EST	N.A.	0.1	0.1	0.5	0.2	560	761	2,518	1,033
Mouse ets-related protein 81 (ER81) mRNA, complete cds	L10426	0.1	0.1	0.5	0.2	1,337	2,035	13,013	3,582
Rat ryanodine receptor type 2 mRNA, partial cds	AF112257	0.1	0.1	0.4	0.2	525	587	1,590	1,125
Incyte EST	N.A.	0.0	0.1	0.3	0.1	551	834	3,067	1,474
Incyte EST	N.A.	0.0	0.1	0.2	0.2	952	2,201	5,187	4,923
Incyte EST	N.A.	0.0	0.1	0.2	0.2	1,000	2,401	5,077	5,544
Incyte EST	N.A.	0.0	0.1	0.2	0.2	574	839	1,856	1,896
Rat nerve growth factor-induced (NGFI-A) gene, complete cds	M18416	0.0	0.1	0.1	0.0	582	1,382	3,329	1,307
Incyte EST	N.A.	0.2	0.3	0.8	0.6	2,148	3,864	13,370	9,576
Incyte EST	N.A.	0.1	0.1	0.5	0.5	697	934	3,860	3,633
Incyte EST	N.A.	0.1	0.2	0.4	0.4	1,301	1,903	6,324	5,849
Incyte EST	N.A.	0.1	0.2	0.5	0.4	543	912	1,627	1,713
Incyte EST	N.A.	0.1	0.1	0.4	0.3	900	1,309	5,927	4,184
Cricetinae gen. sp. insulin receptor tyrosine kinase 53 kDa substrate mRNA, complete cds	U41899	0.1	0.1	0.4	0.4	762	1,248	5,369	4,763
Mouse hormonally upregulated neu tumor-associated kinase (Hunk) mRNA, complete cds	AF167987	0.1	0.1	0.6	0.3	544	864	2,691	1,476
Incyte EST	N.A.	0.1	0.1	0.8	0.3	596	759	3,050	1,407
Mouse mSox5L mRNA, complete cds	AB006330	0.1	0.2	0.7	0.3	814	1,277	8,197	3,238
Mouse mSox5L mRNA, complete cds	AB006330	0.1	0.2	0.8	0.3	858	1,362	8,571	3,047
Incyte EST	N.A.	0.5	0.3	2.3	0.3	512	513	1,361	629
Rat IgE binding protein mRNA, complete cds	J02962	0.3	0.2	2.2	0.5	698	756	5,134	1,544
Mouse mRNA for K-glypican	X83577	0.1	2.3	0.3	0.3	697	4,966	1,567	1,459
Mouse mRNA for entactin	X14194	0.1	2.1	0.3	0.6	545	2,745	982	1,335

Rattus norvegicus chloride intracellular channel 5 (Clic5), mRNA, NM_053603	NM_053603	0.2	1.3	0.6	0.6	534	1,642	1,321	1,165
Rattus norvegicus cDNA clone UI-R-DR0-cjc-g-03-0-UI 3'	BI303966	0.1	0.7	0.6	0.5	507	1,378	1,633	1,385
Rat synaptotagmin interacting protein STIP2 mRNA, complete cds.= neuronal calcium binding protein 2	AF193757	0.2	1.3	1.3	0.3	752	3,398	5,210	1,454
Rat testis-specific histone H1t and histone H4t, complete cds	M28409	1.0	0.3	0.2	0.6	4,937	2,475	2,630	5,642
Rat Sprague-Dawley N-methyl-D-aspartate receptor NMDAR2C subunit mRNA, complete cds	U08259	0.7	0.1	0.2	0.3	3,986	1,262	2,329	2,687
Incyte EST	N.A.	1.0	0.1	0.1	0.2	1,843	644	665	1,094
Mouse mRNA for uracil-DNA glycosylase	X99018	1.4	0.4	0.2	0.8	829	589	576	866
Incyte EST	N.A.	1.4	0.4	0.3	0.3	846	581	605	638
Incyte EST	N.A.	0.4	0.6	0.2	1.1	590	1,019	669	1,591
Rat mRNA for HB2, complete cds	AB008538	0.4	0.9	0.2	0.4	2,097	5,109	1,773	3,924
Mouse c-kit mRNA for truncated tyrosine-kinase	X65997	0.5	0.4	0.1	0.4	1,904	2,169	1,166	2,925
Mouse c-kit mRNA for truncated tyrosine-kinase.	X65997	0.4	0.4	0.1	0.4	2,698	3,368	1,481	3,542
Mouse mRNA, up-regulated by FUS-ERG, 3' region, cDNA fragment: C14G220	AB028209	0.5	0.5	0.1	0.4	4,314	4,342	2,218	5,663
Mouse renal munc13 mRNA, complete cds	AF115848	0.7	0.8	0.2	0.4	2,442	2,883	1,405	2,771
Rat KCNMB4 mRNA for calcium activated potassium channel $\beta$ 4 subunit, complete cds	AB050637	0.7	0.7	0.1	0.6	3,014	4,342	1,717	4,872
Incyte EST	N.A.	0.9	1.1	0.1	0.5	2,866	4,023	1,293	2,926
calmodulin	AAD56955	0.1	0.2	0.1	0.2	485	818	591	983
Incyte EST	N.A.	0.3	0.2	0.1	0.5	755	694	572	1,997
Rat RIM binding protein 2 (Rbp2) mRNA, partial cds	AF199336	1.0	0.6	0.2	1.4	915	752	608	1,802
Incyte EST	N.A.	0.6	0.8	0.2	1.2	5,989	7,613	4,303	15,103
Incyte EST	N.A.	0.7	0.5	0.1	1.2	1,653	1,565	922	4,386
Incyte EST	N.A.	1.5	0.9	0.2	1.1	2,636	2,150	882	3,414
Incyte EST	N.A.	1.5	0.9	0.1	0.9	774	721	555	966
239FB gene product	AAC50564	1.3	1.3	0.2	1.1	1,734	2,981	1,114	2,695

Genes were filtered based on their expression level relative to the whole-brain reference (>4-fold higher or lower in at least 3 of 16 experiments) and transcripts with significant differences in expression between at least two cell groups were selected by multiclass SAM with a false-discovery rate of <1%. The resulting set of 534 genes and the experimental samples were grouped

based on their similarities of gene expression by two-dimensional hierarchical clustering (Pearson correlation, average linkage). Abbreviations: CA, catecholaminergic; LC, locus coeruleus; SN, substantia nigra; VTA, ventral tegmental area.