

Supplemental Dataset S1.

Genes Expressed Differentially in Four F3-Rat Brain Regions in Lineage and Stress Comparisons (16 gene lists)

List 1. Basolateral Amygdala (BLA): Genes Expressed Differentially in Vinclozolin NonStressed as Compared to Control NonStressed (VinNS vs Nst-ContNS contrast)

List 2. Basolateral Amygdala (BLA): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Control Stressed (VinS vs ContS contrast), 101 genes and EST's

List 3. Basolateral Amygdala (BLA): Genes Expressed Differentially in Control Stressed as Compared to Control NonStressed (ConS vs ContNS contrast), 81 genes and EST's

List 4. Basolateral Amygdala (BLA): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Vinclozolin NonStressed (VinS vs VinNS contrast), 62 genes and EST's

List 5. Cortex (Ctx): Genes Expressed Differentially in Vinclozolin NonStressed as Compared to Control NonStressed (VinNS vs ContNS contrast), 118 genes and EST's

List 6. Cortex (Ctx): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Control Stressed (VinS vs ContS contrast), 142 genes and EST's

List 7. Cortex (Ctx): Genes Expressed Differentially in Control Stressed as Compared to Control NonStressed (ContS vs ContNS contrast), 290 genes and EST's

List 8. Cortex (Ctx): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Vinclozolin NonStressed (VinS vs VinNS contrast), 96 genes and EST's

List 9. CA1 of the Hippocampus (CA1): Genes Expressed Differentially in Vinclozolin NonStressed as Compared to Control NonStressed (VinNS vs ContNS contrast), 68 genes and EST's

List 10. CA1 of the Hippocampus (CA1): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Control Stressed (VinS vs ContS contrast), 155 genes and EST's

List 11. CA1 of the Hippocampus (CA1): Genes Expressed Differentially in Control Stressed as Compared to Control NonStressed (ContS vs ContNS contrast), 118 genes and EST's

List 12. CA1 of the Hippocampus (CA1): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Vinclozolin NonStressed (VinS vs VinNS contrast), 379 genes and EST's

List 13. CA3 of the Hippocampus (CA3): Genes Expressed Differentially in Vinclozolin NonStressed as Compared to -Control NonStressed (VinNS vs ContNS contrast), 64 genes and EST's

List 14. CA3 of the Hippocampus (CA3): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Control Stressed (VinS vs ContS contrast), 23 genes and EST's

List 15. CA3 of the Hippocampus (CA3): Genes Expressed Differentially in Control Stressed as Compared to Control NonStressed (ConS vs ContNS contrast), 50 genes and EST's

List 16. CA3 of the Hippocampus (CA3): Genes Expressed Differentially in Vinclozolin Stressed as Compared to Vinclozolin NonStressed (VinS vs VinNS contrast), 202 genes and EST's

List 1. Genes Expressed Differentially in Non-Stressed F3-Vinclozolin Rat Basolateral Amygdala as Compared to Non-Stressed F3-Control ('Nst-Vin vs Nst-Con' contrast), 79 genes and EST's

<i>Gene Symbol</i>	<i>GenBank Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Epigenetics					
Rg9mtd1	NM_001008337	-25	0.83	10750795	RNA (guanine-9-) methyltransferase domain containing 1
LOC365114	ENSRNOT00000018945	-36	0.82	10703187	similar to High mobility group protein 1 (HMG-1)
Growth Factors					
Bmp5	NM_001108168	15	1.24	10911711	bone morphogenetic protein 5
Mid1	NM_022927	-44	0.83	10937624	midline 1
Immune Response					
Spag6	NM_001034960	62	1.23	10752563	sperm associated antigen 6
Metabolism & Transport					
Doc2b	NM_031142	-25	0.83	10744970	double C2-like domains, beta
Retsat	NM_145084	94	1.26	10856424	retinol saturase (all trans retinol 13,14 reductase)
Proteolysis					
Serpina3k	NM_012657	-47	0.68	10891991	serine (or cysteine) peptidase inhibitor, clade A, member 3K
Receptors & Binding Proteins					
Klra5	NM_198746	16	1.27	10866236	killer cell lectin-like receptor, subfamily A, member 5
Ly49s5	ENSRNOT00000045309	23	1.22	10866180	Ly49 stimulatory receptor 4
Olr1149	NM_001000874	17	1.29	10915281	olfactory receptor 1149
Olr1233	NM_001001084	-42	0.76	10909168	olfactory receptor 1233
Olr1571	ENSRNOT00000034210	24	1.27	10752574	olfactory receptor 1571
Htr5b	NM_024395	-15	0.81	10767186	5-hydroxytryptamine (serotonin) receptor 5B
Efcab1	NM_001106930	42	1.29	10931558	EF hand calcium binding domain 1
Signaling					
Stac2	NM_001108834	38	1.28	10746842	SH3 and cysteine rich domain 2
Mrgprb5	NM_001002284	47	1.21	10707154	MAS-related G protein-coupled receptor, member B5
Sh2d1b1	ENSRNOT00000048692	-10	0.79	10765469	SH2 domain protein 1B1
Tpte	NM_001108877	10	1.22	10792456	transmembrane phosphatase with tensin homology
Transcription					
Npas4	NM_153626	31	1.20	10727717	neuronal PAS domain protein 4
Set	NM_001012504	-164	0.80	10749869	SET nuclear oncogene
Translation & Protein Modification					
RGD1564552	ENSRNOT00000050803	-141	0.73	10799888	similar to ribosomal protein L21
Miscellaneous & Unknown					
LOC288521	BC079301	-12	0.76	10760760	similar to Leukosialin precursor (Leucocyte sialoglycoprotein) (Sialophorin) (CD43) (W3
RGD1311849	ENSRNOT00000058387	26	1.22	10869837	similar to mKIAA1797 protein
RGD1565119	ENSRNOT00000048106	-14	0.79	10776873	similar to Mitochondrial carrier triple repeat 1
Ccdc162	ENSRNOT00000000340	13	1.25	10833727	coiled-coil domain containing 162
rno-mir-21	rno-mir-21	30	1.25	10745931	
	XM_002725832	-9	0.80	10831802	rCG44733-like

LOC100363863					
EST's					
LOC363737	ENSRNOT00000032643	-9	0.78	10750089	hypothetical LOC363737
	XR_008519	-24	0.82	10732906	
	XR_008445	-121	0.78	10880562	
	XR_007871	-198	0.83	10927699	
	XR_007680	15	1.27	10791977	
	XR_007365	-115	0.83	10813246	
	XR_006323	-10	0.82	10923292	
	XR_005743	-7	0.82	10937252	
	XR_005657	-20	0.79	10898947	
	XR_005430	63	1.24	10877896	
	XM_226468	36	1.30	10807925	
	NC_001665	-1186	0.74	10930595	
	ENSRNOT00000060361	29	1.25	10889368	
	ENSRNOT00000053328	-232	0.76	10855946	
	ENSRNOT00000053029	32	1.25	10774265	
	ENSRNOT00000052710	-101	0.79	10838282	
	59896131, 41350416	12	1.30	10769693	
	---	-1953	0.74	10930580	
	---	-127	0.81	10772758	
	---	-88	0.83	10811008	
	---	-80	0.80	10761245	
	---	-58	0.82	10711498	
	---	-49	0.77	10864479	
	---	-42	0.79	10832081	
	---	-15	0.76	10795677	
	---	-13	0.82	10836152	
	---	-7	0.79	10870488	
	---	4	1.23	10814661	
	---	6	1.23	10932910	
	---	7	1.21	10936478	
	---	8	1.20	10709532	
	---	8	1.22	10799500	
	---	8	1.24	10768128	
	---	9	1.28	10716744	
	---	10	1.24	10702076	
	---	12	1.27	10884614	
	---	12	1.23	10815913	
	---	12	1.27	10820963	
	---	12	1.22	10781972	
	---	13	1.26	10785259	
	---	14	1.21	10782889	
	---	18	1.24	10893434	
	---	19	1.22	10861656	
	---	19	1.20	10917344	
	---	20	1.22	10816647	
	---	21	1.23	10726652	
	---	21	1.29	10776796	
	---	27	1.23	10813005	
	---	28	1.30	10815350	
	---	29	1.24	10873885	

List 2. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat Basolateral Amygdala as Compared to Stressed F3-Control ('St-Vin vs St-Con' contrast), 101 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference</i>	<i>Mean</i>	<i>Ratio</i>	<i>Affymetrix</i>	<i>Gene Title</i>
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	<i>Sequence</i>	<i>_diff</i>		<i>ID</i>	
Cell Cycle					
Cdca3	NM_001007648	-46	0.80	10858707	cell division cycle associated 3
Cytoskeleton-ECM					
Pcdhb6	NM_001014780	47	1.24	10801176	protocadherin beta 6
Development					
Opalin	NM_001017386	-66	0.79	10730148	oligodendrocytic myelin paranodal and inner loop protein
Mtpn	AY951952	-11	0.83	10861826	myotrophin
Growth Factors					
Bdnf	NM_012513	25	1.21	10852620	brain derived neurotrophic factor
Metabolism & Transport					
Kcnt2	NM_198762	79	1.26	10764460	potassium channel, subfamily T, member 2
LOC685173	XM_001062675	-18	0.77	10899693	similar to carbonic anhydrase 13
Proteolysis					
RGD1560658	ENSRNOT00000022681	10	1.31	10798126	serine (or cysteine) peptidase inhibitor, clade B, member 1b
Receptors & Binding Proteins					
Olr1171	NM_001001005	17	1.28	10915295	olfactory receptor 1171
Olr1742	NM_001001424	13	1.26	10827655	olfactory receptor 1742
Olr349	NM_001001019	23	1.32	10729045	olfactory receptor 349
Olr679	NM_001000354	16	1.23	10847168	olfactory receptor 679
Olr720	NM_001001067	28	1.21	10847229	olfactory receptor 720
Signaling					
Arap2	ENSRNOT00000044580	-18	0.78	10772895	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2
Ctxn2	NM_001162935	36	1.25	10839365	cortexin 2
RGD1562952	ENSRNOT00000061017	-238	0.72	10812779	similar to Erbb2 interacting protein isoform 2
Transcription					
LOC365114	ENSRNOT00000018945	-37	0.83	10703187	similar to High mobility group protein 1 (HMG-1) (High mobility group protein B1) (Amphoterin) (Heparin-binding protein p30)
Set	NM_001012504	-189	0.80	10749869	SET nuclear oncogene
Translation & Protein Modification					
Rps27a	ENSRNOT00000042383	-110	0.81	10734318	similar to thymosin, beta 4
RGD1562547	ENSRNOT00000049211	-62	0.82	10901960	similar to ribosomal protein L31
RGD1564400	ENSRNOT00000033258	-87	0.81	10836556	similar to Eukaryotic translation initiation factor 5 (eIF-5)
RGD1564552	ENSRNOT00000050803	-112	0.78	10799888	similar to ribosomal protein L21
Miscellaneous & Unknown					
LOC686096	XM_002730304	-116	0.82	10939909	similar to basic transcription factor 3
EST's					
MGC72627	BC061963	55	1.20	10853407	similar to RIKEN cDNA A330021E22
RGD1560493	ENSRNOT00000032053	21	1.24	10937331	similar to chromosome X open reading frame 45
	XR_008237	-38	0.80	10926160	
	XR_007324	-23	0.80	10877933	
	XR_007098	-20	0.83	10707370	
	XR_009222	-50	0.69	10729312	
	XR_008445	-162	0.72	10880562	

	XR_007232	-14	0.75	10784444	
	XR_005958	-9	0.82	10793706	
	XR_008485	-12	0.83	10794940	
	XR_008126	9	1.29	10822090	
	XR_007395	-13	0.70	10850440	
	XR_009494	-8	0.82	10739816	
	NC_001665	-1372	0.60	10930588	
	6683748	-70	0.79	10748234	
	ENSRNOT00000059477	-105	0.69	10791602	
	ENSRNOT00000057420	-105	0.69	10833416	
	ENSRNOT00000056786	-145	0.67	10939699	
	ENSRNOT00000054649	-189	0.82	10930226	
	ENSRNOT00000054517	-107	0.67	10797013	
	ENSRNOT00000053934	-363	0.82	10722465	
	ENSRNOT00000052710	-130	0.76	10838282	
	ENSRNOT00000052697	12	1.27	10878963	
	ENSRNOT00000052541	-30	0.69	10911811	
	ENSRNOT00000018011	-15	0.76	10926819	
	ENSRNOT00000039948	-36	0.82	10767044	
	---	-263	0.74	10722451	
	---	-583	0.80	10722481	
	---	-83	0.81	10869614	
	---	-65	0.83	10846749	
	---	-58	0.81	10756253	
	---	-58	0.81	10756255	
	---	-54	0.77	10858497	
	---	-35	0.79	10853681	
	---	-28	0.80	10764400	
	---	-21	0.78	10907958	
	---	-20	0.71	10925371	
	---	-17	0.78	10769398	
	---	-16	0.79	10773706	
	---	-13	0.78	10746252	
	---	-12	0.81	10776665	
	---	-11	0.83	10795677	
	---	-5	0.81	10757702	
	---	6	1.20	10853227	
	---	7	1.22	10724580	
	---	8	1.22	10751226	
	---	8	1.30	10718406	
	---	9	1.23	10823430	
	---	9	1.20	10782954	
	---	9	1.24	10931079	
	---	10	1.26	10812884	
	---	11	1.27	10870012	
	---	11	1.25	10785259	
	---	11	1.22	10778575	
	---	12	1.21	10717396	
	---	12	1.28	10922247	
	---	12	1.22	10795717	
	---	13	1.26	10857000	
	---	13	1.25	10781972	
	---	13	1.32	10893404	
	---	13	1.23	10887074	
	---	13	1.23	10752096	

---	14	1.20	10711257	
---	15	1.26	10707254	
---	17	1.20	10792099	
---	17	1.26	10890570	
---	17	1.29	10917318	
---	18	1.23	10868794	
---	25	1.43	10939931	
---	25	1.41	10920630	
---	25	1.24	10939899	
---	27	1.23	10801707	
---	29	1.23	10909070	
---	30	1.30	10772554	
---	39	1.31	10846650	
---	40	1.29	10791561	

List 3. Genes Expressed Differentially in Stressed F3-Control Rat Basolateral Amygdala as Compared to Non-Stressed F3-Control ('Str-Con vs Nst-Con' contrast), 81 genes and EST's

<i>Gene Symbol</i>	<i>GenBank Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Cytoskeleton-ECM					
Tspan33	NM_001109227	-85	0.81	10854199	tetraspanin 33
Coro1a	NM_130411	-152	0.76	10725806	coronin, actin binding protein 1A
Dbnl	NM_031352	-56	0.83	10773999	drebrin-like
Development					
Baalc	NM_144762	-53	0.82	10896250	brain and acute leukemia, cytoplasmic
Cpne4	NM_001109003	-141	0.62	10912718	copine IV
Nell2	NM_031070	-274	0.83	10906546	NEL-like 2 (chicken)
Ntng2	NM_001107825	-26	0.83	10844082	netrin G2
RGD1563738	ENSRNOT00000052026	20	1.29	10909263	similar to Discs, large homolog 5 (Placenta and prostate DLG)
Sprn	NM_001031845	-83	0.79	10726620	shadow of prion protein homolog (zebrafish)
Synj2	NM_001113371	-106	0.67	10702829	synaptojanin 2
Synpo2	ENSRNOT00000019931	8	1.20	10826541	synaptopodin 2
Tmem59l	BC089056	-110	0.81	10787556	transmembrane protein 59-like
Trpc4	NM_080396	-83	0.62	10815352	transient receptor potential cation channel, subfamily C, member 4
Epigenetics					
Cog7	NM_001033889	-41	0.82	10725427	component of oligomeric golgi complex 7
Growth Factors					
Bdnf	NM_012513	-25	0.83	10852620	brain derived neurotrophic factor
Fgf1	NM_012846	9	1.26	10804127	fibroblast growth factor 1
Immune Response					
Igha	BC092592	18	1.29	10892572	immunoglobulin heavy chain, alpha
Klra7	XM_578407	23	1.45	10866140	killer cell lectin-like receptor, subfamily A, member 7
Mal2	NM_198786	-356	0.72	10896533	mal, T-cell differentiation protein 2
Metabolism & Transport					
Kcnj9	NM_053834	-20	0.81	10770022	potassium inwardly-rectifying channel, subfamily J, member 9
Kcnn2	NM_019314	-67	0.82	10801520	potassium intermediate
Kcnt2	NM_198762	-125	0.71	10764460	potassium channel, subfamily T, member 2
Atp6v1a	NM_001108318	-536	0.81	10823609	ATPase, H+ transporting, lysosomal V1 subunit A

Cth	NM_017074	-25	0.83	10827517	cystathionase (cystathionine gamma-lyase)
Fetub	NM_053348	-26	0.78	10755148	fetuin B
Msra	NM_053307	-42	0.78	10784517	methionine sulfoxide reductase A
Ppap2a	NM_022538	-114	0.78	10813048	phosphatidic acid phosphatase type 2A
Syp	NM_012664	-568	0.82	10937103	synaptophysin
Faah	NM_024132	-82	0.77	10871182	fatty acid amide hydrolase
LOC685173	XM_001062675	16	1.25	10899693	similar to carbonic anhydrase 13
Proteolysis					
Prep	NM_001106281	-45	0.82	10708672	prolylcarboxypeptidase (angiotensinase C)
Receptors & Binding Proteins					
Olr98	NM_001000143	16	1.22	10709432	olfactory receptor 98
RGD1560871	ENSRNOT00000022951	-71	0.79	10863960	similar to plexin 1
Nrp1	NM_145098	-45	0.70	10808959	neuropilin 1
Signaling					
Cmtm4	NM_001172151	-83	0.83	10805716	CKLF-like MARVEL transmembrane domain containing 4
Ehd3	NM_138890	-108	0.79	10888596	EH-domain containing 3
Hpcal4	NM_017357	-255	0.81	10871732	hippocalcin-like 4
Ifi2711	NM_203410	-168	0.79	10886573	interferon, alpha-inducible protein 27
Prkar1b	NM_001033679	-204	0.80	10757119	protein kinase, cAMP dependent regulatory, type I, beta
RGD1561667	ENSRNOT00000059957	25	1.24	10703287	similar to putative protein kinase
Shd	NM_001108223	-29	0.82	10931523	src homology 2 domain-containing transforming protein D
Tmem74	ENSRNOT00000006791	-47	0.77	10903560	transmembrane protein 74
Srgap1	ENSRNOT00000006180	35	1.36	10902765	SLIT-ROBO Rho GTPase activating protein 1
Translation & Protein Modification					
Bin1	NM_053959	-210	0.83	10800760	bridging integrator 1
Ccdc32	NM_001024245	-111	0.80	10848499	coiled-coil domain containing 32
Dnajb1	NM_001108441	-74	0.77	10810295	DnaJ (Hsp40) homolog, subfamily B, member 1
Translation					
RGD1562547	ENSRNOT00000049211	67	1.24	10901960	similar to ribosomal protein L31
Rps21	NM_031111	104	1.23	10873649	ribosomal protein S21
Miscellaneous & Unknown					
Fam40a	ENSRNOT00000025036	-46	0.80	10825830	family with sequence similarity 40, member A
LOC501427	ENSRNOT00000061060	9	1.26	10779531	similar to Spetex-2F protein
Wdr1	NM_001014135	-165	0.83	10773205	WD repeat domain 1
EST's					
LOC498145	NM_001017485	-57	0.81	10760393	similar to RIKEN cDNA 2810453I06
	ENSRNOT00000048364	-14	0.76	10900112	
	ENSRNOT00000052541	27	1.39	10911811	
	ENSRNOT00000057420	112	1.49	10833416	
	ENSRNOT00000059477	112	1.49	10791602	
	NC_001665	1587	1.35	10930595	
	NC_001665	1419	1.69	10930588	
	---	-51	0.70	10755315	
	---	-18	0.77	10917318	
	---	-15	0.82	10782179	
	---	-11	0.75	10707639	
	---	-9	0.81	10850610	
	---	-8	0.83	10931079	
	---	-5	0.83	10891491	

	---	8	1.30	10856117	
	---	9	1.30	10850313	
	XR_007232	10	1.23	10784444	
	---	10	1.27	10909127	
	---	10	1.24	10702076	
	---	11	1.22	10776665	
	XR_008088	12	1.24	10786415	
	---	12	1.23	10818253	
	---	34	1.25	10853681	
	---	36	1.21	10847062	
	---	45	1.36	10914009	
	---	51	1.28	10858497	
	---	66	1.28	10756253	
	---	66	1.28	10756255	
	---	807	1.26	10930622	
	---	969	1.29	10930560	

List 4. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat Basolateral Amygdala as Compared to Non-Stressed F3-Vinclozolin ('Str-Vin vs Nst-Vin' contrast), 62 genes and EST's

<i>Gene Symbol</i>	<i>GenBank Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Development					
Gdap111	NM_001107798	-47	0.83	10842001	ganglioside-induced differentiation-associated protein 1-like 1
LOC689690	ENSRNOT00000052385	39	1.44	10809503	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg)
Nptx2	NM_001034199	-106	0.74	10760290	neuronal pentraxin 2
RGD1563738	ENSRNOT00000052026	15	1.21	10916360	similar to Discs, large homolog 5 (Placenta and prostate DLG)
Sntb2	NM_001168674	37	1.21	10807601	syntrophin, beta 2
Electron Transport					
Cyp26b1	NM_181087	-31	0.77	10863608	cytochrome P450, family 26, subfamily b, polypeptide 1
Epigenetics					
LOC689244	ENSRNOT00000061517	127	1.50	10756280	similar to chromobox homolog 3
LOC501799	ENSRNOT00000061397	163	1.34	10756257	similar to chromobox homolog 3
Immune Response					
Igsf21	ENSRNOT00000051793	-52	0.81	10880936	immunoglobulin superfamily, member 21
RT1-CE10	NM_001008833	29	1.26	10828001	RT1 class I, locus CE10
Metabolism & Transport					
Kcna6	NM_023954	-75	0.81	10865738	potassium voltage gated channel, shaker related subfamily, member 6
Kcnj9	NM_053834	-20	0.82	10770022	potassium inwardly-rectifying channel, subfamily J, member 9
Alas2	NM_013197	17	1.21	10932912	aminolevulinate, delta-, synthase 2
Decr1	NM_057197	51	1.23	10875631	2,4-dienoyl CoA reductase 1, mitochondrial
Hpgd	NM_024390	17	1.29	10791522	hydroxyprostaglandin dehydrogenase 15 (NAD)
Proteolysis					
RGD1559940	ENSRNOT00000038310	12	1.20	10900050	similar to ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)
Receptors & Binding					

Proteins					
Olr1093	NM_001001388	41	1.23	10901100	olfactory receptor 1093
Olr1117	NM_001000884	-15	0.81	10915199	olfactory receptor 1117
Olr668	NM_001000348	-12	0.80	10847146	olfactory receptor 668
Olr995	NM_001000938	16	1.30	10893373	olfactory receptor 995
Grm2	NM_001105711	-65	0.67	10919953	glutamate receptor, metabotropic 2
LOC304239	ENSRNOT00000049215	37	1.27	10756334	similar to RalA binding protein 1
Vom2r1	NM_001099460	27	1.24	10701668	vomer nasal 2 receptor, 3
Vom2r2	ENSRNOT00000051591	8	1.20	10701636	vomer nasal 2 receptor, 2
Signaling					
Arrb2	NM_012911	-43	0.82	10735205	arrestin, beta 2
Exph5	ENSRNOT00000039336	-19	0.81	10909987	exophilin 5
RGD1560209	ENSRNOT00000047232	15	1.20	10796831	similar to MAP
Sh2d1b1	ENSRNOT00000048692	9	1.24	10765469	SH2 domain protein 1B1
Stac2	NM_001108834	-36	0.79	10746842	SH3 and cysteine rich domain 2
Transcription					
Junb	NM_021836	-25	0.80	10806585	jun B proto-oncogene
Mtpn	AY951952	-11	0.82	10861826	myotrophin
Znf622	NM_001034912	-94	0.83	10813934	family with sequence similarity 134, member B
Miscellaneous & Unknown					
LOC501427	ENSRNOT00000061060	8	1.28	10779531	similar to Spetex-2F protein
RGD1561734	ENSRNOT00000056348	-53	0.79	10925933	similar to KIAA1913
EST's					
LOC363337	BC082068	31	1.21	10931083	similar to RIKEN cDNA 1700081O22
	XR_007680	-14	0.79	10791977	
	XR_006025	-5	0.80	10775566	
	XM_001080565	51	1.21	10729852	
	NC_001665	1455	1.43	10930595	
	NC_001665	804	1.62	10930588	
	ENSRNOT00000055830	66	1.23	10859162	
	ENSRNOT00000053106	-12	0.83	10908229	
	ENSRNOT00000053029	-30	0.82	10774265	
	ENSRNOT00000040251	-9	0.83	10868279	
	59896131, 41350416	-14	0.72	10769693	
	---	-31	0.75	10815350	
	---	-54	0.83	10871661	
	---	-23	0.76	10775577	
	---	-11	0.83	10932132	
	---	-9	0.81	10929592	
	---	-7	0.81	10729120	
	---	5	1.22	10746914	
	---	5	1.24	10852168	
	---	11	1.29	10857203	
	---	19	1.21	10809071	
	---	25	1.28	10802574	
	---	37	1.22	10864479	
	---	48	1.42	10726672	
	---	151	1.21	10718134	
	---	763	1.27	10930560	
	---	930	1.36	10930622	
	---	2253	1.41	10930580	

List 5. Genes Expressed Differentially in Non-Stressed F3-Vinclozolin Rat Cortex Region as Compared to Non-Stressed F3-Control ('Nst-Vin vs Nst-Con' contrast), 118 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference</i>	<i>Mean</i>	<i>Ratio</i>	<i>Affymetrix</i>	<i>Gene Title</i>
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	<i>Sequence</i>	<i>_diff</i>		<i>ID</i>	
Cytoskeleton-ECM					
Pcdhb19	ENSRNOT00000060484	28	1.22	10801204	protocadherin beta 19
Development					
Egln2	NM_001004083	57	1.22	10719958	EGL nine homolog 2 (<i>C. elegans</i>)
LOC681385	ENSRNOT00000067576	6	1.23	10843857	similar to Vomeronasal secretory protein 2 precursor (Vomeronasal secretory protein II) (VNSP II) (Lipocalin-4)
Electron Transport					
Cyp2r1	NM_001108499	-13	0.79	10725045	cytochrome P450, family 2, subfamily r, polypeptide 1
LOC305698	ENSRNOT00000049636	-28	0.83	10779240	similar to RIKEN cDNA 1700001F09
Epigenetics					
Mettl11a	NM_001025019	33	1.20	10835252	methyltransferase like 11A
Hist1h4b	NM_022686	125	1.20	10798490	histone cluster 1, H4b
Growth Factors					
Ccl27	NM_001108660	90	1.22	10876193	chemokine (C-C motif) ligand 27
Hormones					
Gphb5	NM_001007013	-12	0.83	10890626	glycoprotein hormone beta 5
Pth	NM_017044	12	1.21	10724987	parathyroid hormone
Immune Response					
Btnl7	NM_212488	-40	0.82	10828335	butyrophilin-like 7
Ly6b	NM_139257	6	1.25	10904590	lymphocyte antigen 6 complex, locus B
Slamf9	NM_001105971	-12	0.83	10765746	SLAM family member 9
Metabolism & Transport					
Akr1b7	NM_053781	6	1.22	10854427	aldo-keto reductase family 1, member B7
Akr1d1	NM_138884	-15	0.78	10854548	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)
Apool	NM_001014105	-23	0.81	10934700	apolipoprotein O-like
Bphl	NM_001037206	13	1.25	10798100	biphenyl hydrolase-like (serine hydrolase)
Comm8	NM_001106004	-28	0.83	10772517	COMM domain containing 8
Ndufa1	NM_001108813	66	1.20	10931991	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1
Nqo2	NM_001004214	-58	0.69	10798119	NAD(P)H dehydrogenase, quinone 2
Pafah1b3	NM_053654	-48	0.82	10719817	platelet-activating factor acetylhydrolase, isoform 1b, subunit 3
Sepw1	NM_013027	68	1.21	10719212	selenoprotein W, 1
Mgst1	NM_134349	23	1.21	10859392	microsomal glutathione S-transferase 1
Cerkl	ENSRNOT00000043238	6	1.20	10846671	ceramide kinase-like
Proteolysis					
Slpil2	NM_001008872	13	1.29	10851573	antileukoproteinase-like 2
Receptors & Binding Proteins					
Agtr1b	NM_031009	-17	0.82	10822516	angiotensin II receptor, type 1b
Epha8	ENSRNOT00000017559	-15	0.81	10880738	Eph receptor A8
Igfbp6	NM_013104	-149	0.62	10899465	insulin-like growth factor binding protein 6
Olr1060	NM_001000698	26	1.68	10900087	olfactory receptor 1060
Olr1237	NM_001000963	11	1.28	10909176	olfactory receptor 1237
Olr1560	NM_001001009	27	1.22	10750649	olfactory receptor 1560
Olr29	NM_001000691	24	1.35	10723519	olfactory receptor 29
Olr481	NM_001000684	-13	0.83	10846950	olfactory receptor 481

Olr631	NM_001000339	-49	0.81	10847113	olfactory receptor 631
Olr703	NM_001000359	7	1.20	10847193	olfactory receptor 703
Olr724	NM_001000573	-12	0.80	10847233	olfactory receptor 724
Taar8a	NM_175599	8	1.23	10717268	trace amine-associated receptor 8a
Signaling					
LOC689617	ENSRNOT00000058250	36	1.36	10815215	similar to GTPase activating protein testicular GAP1
Mrgprb4	ENSRNOT00000045792	-43	0.73	10722218	MAS-related GPR, member B4
Rassf9	NM_022959	-12	0.83	10895247	Ras association (RalGDS)
Scube1	NM_001134884	38	1.21	10905843	signal peptide, CUB domain, EGF-like 1
Snx11	NM_001012012	51	1.23	10746594	sorting nexin 11
Transcription					
Chchd2	NM_001015019	113	1.31	10930091	coiled-coil-helix-coiled-coil-helix domain containing 2
Chchd6	NM_001106608	90	1.23	10863993	coiled-coil-helix-coiled-coil-helix domain containing 6
Fbxo23	NM_001013138	122	1.27	10797368	F-box only protein 23
Nola2	NM_001105779	90	1.21	10733380	NHP2 ribonucleoprotein homolog (yeast)
Ry1	NM_001108636	-53	0.81	10782583	small nuclear ribonucleoprotein 27kDa (U4)
Top1mt	NM_001002798	16	1.21	10904612	topoisomerase (DNA) I, mitochondrial
Translation & Protein Modification					
RGD1564552	ENSRNOT00000050803	-97	0.69	10799888	similar to ribosomal protein L21
Rpl22l1	NM_001108548	-73	0.82	10814650	ribosomal protein L22 like 1
Rpl36	NM_022504	91	1.36	10772984	ribosomal protein L36
Miscellaneous & Unknown					
LOC501427	ENSRNOT00000061060	-14	0.72	10779531	similar to Spetex-2F protein
Lrrn4	ENSRNOT00000040802	-30	0.82	10850170	leucine rich repeat neuronal 4
Magohb	ENSRNOT00000013725	-18	0.81	10866265	mago-nashi homolog B (Drosophila)
RGD1310587	NM_001100857	-17	0.83	10770517	similar to hypothetical protein FLJ14146
RGD1565493	XM_002729803	-11	0.83	10903280	similar to DKFZP434I092 protein
Samd12	NM_001130562	-79	0.82	10903721	sterile alpha motif domain containing 12
Ttc36	NM_001005546	-34	0.80	10916876	tetratricopeptide repeat domain 36
RGD1565166	NM_001105762	10	1.22	10731622	similar to MGC45438 protein
RGD1566243	NM_001134635	-6	0.82	10909777	similar to protein of unknown function
Utp3	NM_001012036	22	1.20	10776064	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)
EST's					
RGD1309501	NM_001127537	-30	0.79	10774403	hypothetical LOC305552
LOC306766	NM_001014007	114	1.31	10794172	hypothetical LOC306766
RGD1310794	BC093393	-23	0.81	10853515	similar to RIKEN cDNA C030048B08
	XR_008339	-35	0.75	10845365	
	XR_009246	12	1.30	10731555	
	XR_009095	-17	0.81	10828152	
	XR_008340	-50	0.79	10717829	
	XR_007585	29	1.46	10934560	
	NC_001665	30	1.35	10930610	
	K02909	70	1.21	10918820	
	ENSRNOT00000060122	-31	0.83	10884046	
	ENSRNOT00000056786	-108	0.60	10939699	
	ENSRNOT00000053279	311	1.35	10708691	
	ENSRNOT00000042423	28	1.24	10938712	
	37727288	-278	0.69	10760298	
	---	-85	0.73	10827665	
	---	-60	0.83	10798921	

---	-45	0.79	10932187	
---	-41	0.77	10767747	
---	-39	0.80	10726221	
---	-35	0.82	10914901	
---	-35	0.83	10803509	
---	-34	0.66	10866205	
---	-34	0.82	10760005	
---	-31	0.69	10717085	
---	-30	0.82	10888682	
---	-28	0.80	10927840	
---	-27	0.81	10795400	
---	-21	0.82	10820761	
---	-21	0.80	10750470	
---	-14	0.83	10848414	
---	-12	0.75	10873723	
---	-10	0.82	10802574	
---	-10	0.83	10813889	
---	-10	0.83	10823935	
---	-10	0.83	10877538	
---	-9	0.81	10706465	
---	-9	0.74	10841294	
---	-8	0.82	10769229	
---	-7	0.79	10740841	
---	-5	0.80	10746914	
---	8	1.22	10711995	
---	8	1.33	10891491	
---	9	1.26	10744141	
---	11	1.24	10772782	
---	13	1.20	10778675	
---	13	1.21	10822356	
---	14	1.36	10896378	
---	14	1.28	10814299	
---	16	1.38	10877749	
---	21	1.33	10917344	
---	26	1.25	10909137	
---	27	1.21	10884820	
---	34	1.22	10826602	
---	44	1.40	10856228	
---	56	1.26	10714842	
---	184	1.25	10805225	

List 6. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat Cortex Region as Compared to Stressed F3-Control ('St-Vin vs St-Con' contrast), 142 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Development					
Robld3	NM_001106441	-30	0.78	10824344	roadblock domain containing 3
RGD1559751	ENSRNOT00000058177	-14	0.80	10805591	similar to n-chimaerin
Syt2	NM_012665	-84	0.83	10764174	synaptotagmin II
Vof16	NM_147207	91	1.58	10909382	ischemia related factor vof-16
Electron Transport					
Gpx8	NM_001106411	29	1.23	10821367	glutathione peroxidase 8
Epigenetics					
LOC501799	ENSRNOT00000061397	100	1.38	10759844	similar to chromobox homolog 3
Hist1h2bc	NM_001109400	44	1.34	10798475	histone cluster 1, H2bc

Mkx	ENSRNOT00000025623	-24	0.82	10798902	mohawk homeobox
Growth Factors					
Ctgf	NM_022266	47	1.31	10717233	connective tissue growth factor
Hdgf1	NM_133549	12	1.24	10795072	hepatoma derived growth factor-like 1
Immune Response					
RT1-S2	NM_001008857	15	1.35	10827789	RT1 class Ib, locus S2
Igha	BC092592	20	1.34	10892572	immunoglobulin heavy chain, alpha
Metabolism & Transport					
Akr1c19	NM_001100576	8	1.20	10796050	aldo-keto reductase family 1, member C19
Cml1	NM_021668	-34	0.82	10863692	camello-like 1
Fth1	BC081845	43	1.26	10713831	ferritin, heavy polypeptide 1
Gnpat1	NM_001134756	71	1.22	10782846	glucosamine-phosphate N-acetyltransferase 1
Hsd3b6	NM_017265	-27	0.82	10825349	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6
Klk8	NM_001107509	-27	0.80	10706424	kallikrein related-peptidase 8
Lrp1b	NM_001107843	54	1.23	10844966	low density lipoprotein-related protein 1B (deleted in tumors)
Piga	NM_001108816	53	1.25	10937719	phosphatidylinositol glycan anchor biosynthesis, class A
Pln	NM_022707	18	1.24	10830174	phospholamban
LOC679586	ENSRNOT00000048808	-31	0.81	10920350	similar to ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit G
RGD1565045	ENSRNOT00000015997	-11	0.81	10716502	similar to carboxylesterase isoenzyme gene
RGD1561777	ENSRNOT00000035047	-31	0.76	10833617	similar to Na ⁺ dependent glucose transporter 1
Proteolysis					
Ube2n	BC090072	26	1.42	10759435	ubiquitin-conjugating enzyme E2N
Receptors & Binding Proteins					
Fabp7	NM_030832	115	1.27	10830223	fatty acid binding protein 7, brain
Hcrtr2	NM_013074	22	1.20	10918761	hypocretin (orexin) receptor 2
Igfbp6	NM_013104	-82	0.67	10899465	insulin-like growth factor binding protein 6
Lhcgr	NM_012978	-8	0.81	10888343	luteinizing hormone
Olr1199	NM_001000819	-19	0.77	10909109	olfactory receptor 1199
Olr1223	NM_001000441	32	1.47	10909149	olfactory receptor 1223
Olr14	NM_001000695	11	1.26	10723503	olfactory receptor 14
Olr1627	NM_001000091	-10	0.83	10779790	olfactory receptor 1627
Olr1701	NM_001001114	41	1.21	10830802	olfactory receptor 1701
Olr421	NM_001000824	-14	0.80	10844764	olfactory receptor 421
Olr550	NM_001000322	-41	0.82	10847051	olfactory receptor 550
Olr850	NM_001000401	-5	0.82	10876763	olfactory receptor 850
LOC690821	ENSRNOT00000047245	-9	0.82	10908225	similar to olfactory receptor Olr1185
LOC304239	ENSRNOT00000049215	25	1.39	10834046	similar to RalA binding protein 1
P2rx5	NM_080780	-19	0.83	10735647	purinergic receptor P2X, ligand-gated ion channel, 5
Signaling					
Cyr61	NM_031327	11	1.20	10827231	cysteine-rich, angiogenic inducer, 61
Ibsp	NM_012587	-16	0.81	10775365	integrin-binding sialoprotein
Pef1	NM_001007651	-28	0.76	10901111	penta-EF hand domain containing 1
Plekho2	ENSRNOT00000042633	-47	0.78	10918288	pleckstrin homology domain containing, family O member 2
Prkacb	NM_001077645	-40	0.77	10827305	protein kinase, cAMP dependent, catalytic, beta
Pygm	NM_012638	-73	0.83	10713382	phosphorylase, glycogen, muscle
Stk10	NM_019206	48	1.25	10741887	serine
Trib2	NM_001108015	-35	0.83	10889263	tribbles homolog 2 (Drosophila)

Transcription					
Case5	ENSRNOT00000067081	-16	0.79	10838743	cancer susceptibility candidate 5
Ccdc112	NM_001109124	29	1.23	10804371	coiled-coil domain containing 112
Ccdc153	NM_001013953	-14	0.78	10909463	coiled-coil domain containing 153
Dpf3	ENSRNOT00000010703	-23	0.83	10891013	D4, zinc and double PHD fingers, family 3
Hlf	ENSRNOT00000055664	-41	0.81	10746209	hepatic leukemia factor
Npas4	NM_153626	192	1.53	10727717	neuronal PAS domain protein 4
Nr4a2	NM_019328	41	1.23	10845384	nuclear receptor subfamily 4, group A, member 2
Polr2j	NM_001105921	-36	0.82	10761070	polymerase (RNA) II (DNA directed) polypeptide J
Rprm	NM_001044276	78	1.52	10845372	reprimin, TP53 dependent G2 arrest mediator candidate
Txnip	NM_001008767	170	1.48	10817552	thioredoxin interacting protein
Zcche12	NM_001014065	40	1.27	10936360	zinc finger, CCHC domain containing 12
Zfp280b	NM_001106384	-12	0.83	10832460	zinc finger protein 280b
Zfp354a	NM_052798	-11	0.83	10733310	zinc finger protein 354A
Zfpm2	NM_001130501	32	1.24	10896337	zinc finger protein, multitype 2
Translation & Protein Modification					
RGD1561635	ENSRNOT00000032135	-10	0.81	10764811	similar to 40S ribosomal protein S17
RGD1564552	ENSRNOT00000050803	-45	0.80	10799888	similar to ribosomal protein L21
Miscellaneous & Unknown					
FAM50A	NM_001170573	27	1.24	10940358	family with sequence similarity 50, member A
LOC680227	NM_001047974	-7	0.82	10934517	LRRGT00193
LOC100363176	XM_002725742	-43	0.75	10728981	mCG145114-like
Spetex-2A	ENSRNOT00000061476	14	1.29	10782777	Spetex-2B protein
Trim59	NM_001108945	29	1.21	10823591	tripartite motif-containing 59
RGD1562420	ENSRNOT00000007683	-31	0.69	10887809	similar to hypothetical protein
rno-mir-9-1	rno-mir-9-1	36	1.24	10816485	
EST's					
LOC500492	XR_005747	30	1.22	10877982	
	NM_001111127	66	1.38	10798473	
	J01884	-51	0.77	10830454	
	ENSRNOT00000057306	-274	0.78	10815996	
	ENSRNOT00000054517	-39	0.76	10797013	
	ENSRNOT00000053338	-25	0.83	10791520	
	ENSRNOT00000053279	-252	0.79	10708691	
	ENSRNOT00000053268	287	1.42	10909356	
	ENSRNOT00000053042	69	1.53	10937568	
	ENSRNOT00000052741	24	1.30	10726878	
	ENSRNOT00000052710	-74	0.72	10838282	
	ENSRNOT00000025383	103	1.24	10920986	
	AF272707	-22	0.80	10867318	
	AF188753	-183	0.78	10855185	
	XR_005716	-11	0.83	10875005	
	XM_221100	60	1.26	10748601	
	XR_006516	-45	0.82	10759585	
	XR_006465	-13	0.72	10902361	
	XR_005810	-37	0.83	10849861	
	XR_007276	-23	0.83	10933574	
	XR_007404	-113	0.80	10845645	
	XM_001066244	-44	0.82	10905605	
	---	-621	0.81	10761253	
	---	-411	0.75	10758031	

---	-91	0.79	10898938	
---	-58	0.81	10937523	
---	-52	0.74	10935698	
---	-47	0.81	10729345	
---	-44	0.71	10774100	
---	-43	0.73	10713873	
---	-42	0.78	10758033	
---	-37	0.76	10883797	
---	-35	0.80	10845397	
---	-35	0.78	10759465	
---	-26	0.75	10767278	
---	-22	0.76	10903965	
---	-20	0.77	10836352	
---	-18	0.82	10718598	
---	-16	0.82	10820280	
---	-13	0.82	10840477	
---	-13	0.79	10800629	
---	-10	0.82	10937800	
---	-10	0.83	10842472	
---	-10	0.79	10871417	
---	-8	0.83	10882530	
---	-7	0.75	10902418	
---	-6	0.82	10723555	
---	8	1.34	10925452	
---	9	1.22	10927207	
---	10	1.24	10759459	
---	18	1.26	10846962	
---	18	1.36	10925371	
---	18	1.25	10720518	
---	19	1.40	10908227	
---	20	1.24	10830161	
---	26	1.23	10900073	
---	26	1.42	10756268	
---	26	1.42	10756270	
---	26	1.42	10756272	
---	26	1.42	10759445	
---	29	1.52	10865347	
---	32	1.37	10726672	
---	36	1.22	10924669	
---	36	1.20	10843845	
---	50	1.40	10765036	
---	50	1.20	10828841	
---	64	1.25	10815955	
---	73	1.45	10939061	
---	172	1.22	10748763	
---	237	1.52	10752799	
---	257	1.32	10718134	

List 7. Genes Expressed Differentially in Stressed F3-Control Rat Cortex Region as Compared to Non-Stressed F3-Control ('Str-Con vs Nst-Con' contrast), 290 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Tnfaip81l	XM_236787	-23	0.81	10931477	tumor necrosis factor, alpha-induced protein 8-like 1
Cell Cycle					
Ccne2	NM_001108656	-15	0.81	10867614	cyclin E2

Fcho2	ENSRNOT00000020692	-88	0.82	10820770	FCH domain only 2
RGD1562871	NM_001106935	-15	0.83	10934664	similar to BMI1-like protein
Cytoskeleton-ECM					
Afap1	NM_080900	17	1.28	10777450	actin filament associated protein 1
Capza1	NM_001109625	-143	0.82	10825686	capping protein (actin filament) muscle Z-line, alpha 1
Ceacam11	NM_001025404	9	1.26	10704634	carcinoembryonic antigen-related cell adhesion molecule 11
Cspg4	NM_031022	-31	0.77	10910237	chondroitin sulfate proteoglycan 4
Cldn16	NM_131905	-7	0.82	10755027	claudin 16
Emilin1	NM_001106710	-20	0.82	10888953	elastin microfibril interfacier 1
Gm52	NM_001014771	-27	0.78	10757808	envelope glycoprotein syncytin-A
Krtap4-7	ENSRNOT00000068237	-53	0.69	10747166	keratin associated protein 4-5
Nvl	NM_001105980	-44	0.78	10770351	nuclear VCP-like
Papln	NM_001108039	-16	0.81	10885823	papilin, proteoglycan-like sulfated glycoprotein
Pcdh19	NM_001169129	32	1.21	10939226	protocadherin 19
RGD1564515	ENSRNOT00000056894	-10	0.80	10896803	similar to alpha 1B-glycoprotein
RGD1564955	ENSRNOT00000033044	7	1.23	10939640	similar to fibrous sheath interacting protein 2
RGD1309537	NM_001135017	38	1.26	10930421	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)
LOC290704	ENSRNOT00000059673	-9	0.79	10787918	similar to palladin
Smtnl1	ENSRNOT00000009903	19	1.21	10846862	smoothelin-like 1
Tpm2	NM_001024345	18	1.23	10876324	tropomyosin 2, beta
Development					
Egln2	NM_001004083	59	1.23	10719958	EGL nine homolog 2 (C. elegans)
Fanc1	ENSRNOT00000029513	-23	0.72	10774612	Fanconi anemia, complementation group L
Figl2	ENSRNOT00000044982	38	1.23	10907335	fidgetin-like 2
LOC681385	ENSRNOT00000067576	10	1.35	10843857	similar to Vomeronasal secretory protein 2 precursor (Vomeronasal secretory protein II) (VNSP II) (Lipocalin-4)
LOC685226	ENSRNOT00000045972	60	1.67	10806527	similar to spermatogenesis associated glutamate (E)-rich protein 4d
LOC687994	ENSRNOT00000030501	-56	0.83	10867109	similar to 82-kD FMRP Interacting Protein
Olfml1	NM_001013192	-85	0.75	10709687	olfactomedin-like 1
Polr3k	NM_001014259	-186	0.77	10843132	polymerase (RNA) III (DNA directed) polypeptide K
Retnlg	NM_181625	10	1.22	10753861	resistin-like gamma
Spata4	NM_001002852	6	1.22	10793083	spermatogenesis associated 4
Sytl5	NM_178333	22	1.21	10936877	synaptotagmin-like 5
Trpa1	NM_207608	-9	0.79	10867111	transient receptor potential cation channel, subfamily A, member 1
Wbscr27	NM_001109499	-24	0.76	10761247	Williams Beuren syndrome chromosome region 27
Electron Transport					
Cox6c1	NM_173303	-22	0.78	10811879	cytochrome c oxidase subunit VIc-1
Cyp2j3	NM_175766	27	1.21	10878170	cytochrome P450, family 2, subfamily j, polypeptide 3
Piwil2	NM_001107276	-18	0.81	10785031	piwi-like 2 (Drosophila)
Epigenetics					
As3mt	NM_080890	-12	0.80	10715875	arsenic (+3 oxidation state) methyltransferase
Dmap1	NM_001015006	-22	0.80	10938804	DNA methyltransferase 1-associated protein 1
Hist2h2bb	ENSRNOT00000042005	50	1.27	10817539	histone cluster 2, H2bb
Hist2h4	NM_001123469	173	1.37	10825151	histone cluster 2, H4
Hist3h2bb	NM_001109641	9	1.21	10742987	histone cluster 3, H2bb
Hmgb2	NM_017187	8	1.26	10791497	high mobility group box 2
Golgi					

Apparatus					
Rgp1	ENSRNOT00000064419	53	1.21	10868541	RGP1 retrograde golgi transport homolog (S. cerevisiae)
Growth Factors					
Amh	NM_012902	15	1.26	10900405	anti-Mullerian hormone
Artn	NM_053397	-14	0.79	10879084	artemin
Edn2	NM_012549	-12	0.80	10871623	endothelin 2
Ccr9	NM_172329	8	1.20	10914601	chemokine (C-C motif) receptor 9
Il18	NM_019165	-16	0.81	10909874	interleukin 18
Ing5	NM_001108810	-18	0.83	10925660	inhibitor of growth family, member 5
Hormones					
Pth	NM_017044	14	1.25	10724987	parathyroid hormone
Immune Response					
Obp3	NM_147215	9	1.21	10877229	alpha-2u globulin PGCL4
C4bpa	NM_012516	-8	0.82	10767422	complement component 4 binding protein, alpha
Ly6b	NM_139257	8	1.34	10904590	lymphocyte antigen 6 complex, locus B
Mup4	NM_198784	11	1.21	10877251	major urinary protein 4
RT1-CE2	NM_001008840	22	1.50	10831129	RT1 class I, locus CE2
RT1-S2	NM_001008857	-21	0.67	10827789	RT1 class Ib, locus S2
Slamf9	NM_001105971	-16	0.77	10765746	SLAM family member 9
Metabolism & Transport					
Aadacl2	ENSRNOT00000067870	7	1.25	10815616	arylacetamide deacetylase-like 2
Abhd1	NM_001008520	54	1.28	10888931	abhydrolase domain containing 1
Acot1	NM_031315	6	1.24	10885857	acyl-CoA thioesterase 1
Akr1b7	NM_053781	9	1.31	10854427	aldo-keto reductase family 1, member B7
Akr1d1	NM_138884	-15	0.78	10854548	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)
Apoa2	NM_013112	-19	0.82	10765530	apolipoprotein A-II
Apool	NM_001014105	-26	0.79	10934700	apolipoprotein O-like
Bphl	NM_001037206	16	1.28	10798100	biphenyl hydrolase-like (serine hydrolase)
Coq10b	NM_001009671	-88	0.76	10923338	coenzyme Q10 homolog B (S. cerevisiae)
Dhrs7c	ENSRNOT00000036752	-8	0.79	10734701	dehydrogenase
Eno3	NM_012949	15	1.23	10735331	enolase 3, beta, muscle
Fth1	BC081845	-52	0.76	10713831	ferritin, heavy polypeptide 1
Gnpnat1	NM_001134756	-82	0.80	10782846	glucosamine-phosphate N-acetyltransferase 1
Guf1	NM_001107215	-89	0.82	10776646	GUF1 GTPase homolog (S. cerevisiae)
Gykl1	NM_134341	13	1.31	10801717	glycerol kinase-like 1
Klk1c10	NM_001135173	-22	0.74	10721283	T-kininogenase
Lrp1b	NM_001107843	-207	0.79	10844988	low density lipoprotein-related protein 1B (deleted in tumors)
Mgst1	NM_134349	28	1.25	10859392	microsomal glutathione S-transferase 1
Pigw	NM_194461	-43	0.83	10745782	phosphatidylinositol glycan anchor biosynthesis, class W
Plch1	ENSRNOT00000013280	8	1.21	10823432	phospholipase C, eta 1
RGD1561057	ENSRNOT00000043238	7	1.23	10846671	ceramide kinase-like
RGD1561777	ENSRNOT00000035047	28	1.28	10833617	similar to Na+ dependent glucose transporter 1
Scd4	ENSRNOT00000017834	40	1.20	10715552	stearoyl-coenzyme A desaturase 4
Slc10a4	NM_001008555	-20	0.79	10776582	solute carrier family 10 (sodium
Proteolysis					
Adamts14	NM_001034012	-13	0.78	10833985	ADAMTS-like 4
Agt	NM_134432	92	1.34	10811900	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
Hpn	NM_017112	-12	0.82	10720891	hepsin
Pomp	NM_001100942	43	1.28	10760041	proteasome maturation protein

Psmg4	NM_001129879	-17	0.82	10798096	proteasome (prosome, macropain) assembly chaperone 4
Rnf113a1	NM_001014791	-15	0.82	10936285	ring finger protein 113A1
Rnft1	ENSRNOT00000005064	-93	0.81	10737380	ring finger protein, transmembrane 1
Usp30	NM_001107153	44	1.26	10762857	ubiquitin specific peptidase 30
Receptors & Binding Proteins					
Abca17	NM_001031637	8	1.22	10741044	ATP-binding cassette, sub-family A (ABC1), member 17
Acvr2b	NM_031554	10	1.23	10914230	activin A receptor, type IIB
Gpr179	ENSRNOT00000055427	-11	0.79	10746701	G protein-coupled receptor 179
Lilrb3	NM_031713	-12	0.82	10703666	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3
Ly49i6	NM_001009718	8	1.28	10866207	Ly49 inhibitory receptor 6
Mtnr1b	NM_001100641	-12	0.83	10915124	melatonin receptor 1B
Olr1060	NM_001000698	29	1.74	10900087	olfactory receptor 1060
Olr1297	NM_001000461	17	1.24	10916342	olfactory receptor 1297
Olr130	NM_001001272	-13	0.76	10724337	olfactory receptor 130
Olr1431	NM_001000778	-15	0.80	10733862	olfactory receptor 1431
Olr1567	NM_001000043	11	1.25	10752235	olfactory receptor 1567
Olr1607	NM_001000534	-21	0.80	10779355	olfactory receptor 1607
Olr1664	NM_001001007	8	1.22	10795357	olfactory receptor 1664
Olr222	NM_001000201	-22	0.76	10724611	olfactory receptor 222
Olr29	NM_001000691	22	1.34	10723519	olfactory receptor 29
Olr315	NM_001000243	23	1.25	10712086	olfactory receptor 315
Olr485	NM_001000307	-8	0.82	10846958	olfactory receptor 485
Olr551	NM_001000670	-12	0.76	10847053	olfactory receptor 551
Olr664	NM_001000347	11	1.20	10837619	olfactory receptor 664
Olr703	NM_001000359	8	1.24	10847193	olfactory receptor 703
Olr771	NM_001000610	-22	0.74	10838435	olfactory receptor 771
Olr813	NM_001000846	-6	0.82	10855100	olfactory receptor 813
Olr830	NM_001000900	11	1.26	10858158	olfactory receptor 830
Olr855	NM_001000409	-9	0.82	10871502	olfactory receptor 855
Olr862	NM_001001071	-27	0.81	10879329	olfactory receptor 862
Olr905	NM_001001355	19	1.20	10893392	olfactory receptor 905
Olr93	NM_001000141	-20	0.78	10724262	olfactory receptor 93
P2rx7	NM_019256	-20	0.81	10761992	purinergic receptor P2X, ligand-gated ion channel, 7
Prokr2	NM_138978	-16	0.81	10850137	prokineticin receptor 2
PVR	NM_017076	-12	0.82	10719616	poliovirus receptor
V1rc28	NM_001009513	17	1.20	10855844	vomer nasal 1 receptor, C28
V1rd6	NM_001008923	6	1.20	10703890	vomer nasal 1 receptor, D6
Vom2r7	NM_001099463	10	1.27	10703233	vomer nasal 2 receptor, 7
Vom2r-ps53	ENSRNOT00000012225	12	1.25	10719051	vomer nasal 2 receptor, pseudogene 53
Signaling					
Akap14	NM_021703	8	1.24	10931995	A kinase (PRKA) anchor protein 14
Chka	NM_017127	-48	0.83	10712706	choline kinase alpha
Frmpl1	NM_001107937	25	1.23	10868693	FERM and PDZ domain containing 1
Grtp1	ENSRNOT00000057740	-15	0.82	10789500	growth hormone regulated TBC protein 1
Gna15	NM_053542	8	1.20	10893474	guanine nucleotide binding protein, alpha 15
Gnas	NM_001159653	-7	0.83	10842657	GNAS complex locus
LOC689617	ENSRNOT00000058250	64	1.63	10815215	similar to GTPase activating protein testicular GAP1 menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)
Mnat1	NM_153472	-32	0.80	10885207	menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)
Mrgprb4	ENSRNOT00000045792	-42	0.73	10722218	MAS-related GPR, member B4
Musk	NM_031061	-17	0.80	10869213	muscle, skeletal, receptor tyrosine kinase

Pih1d1	NM_001024868	-14	0.79	10706724	PIH1 domain containing 1
RGD1561231	ENSRNOT00000047232	12	1.21	10795701	similar to MAP
Socs6	ENSRNOT00000058179	-25	0.81	10805585	suppressor of cytokine signaling 6
Sppl2a	NM_001107770	-110	0.82	10849598	signal peptide peptidase-like 2A
Susd5	ENSRNOT00000028675	-13	0.83	10913963	sushi domain containing 5
Transcription					
Bwk1	NM_198743	-72	0.83	10842879	Bwk1 leukemia-related gene
Cass4	ENSRNOT00000035245	-13	0.82	10842525	Cas scaffolding protein family member 4
Ccdc114	NM_001126277	-10	0.82	10707003	coiled-coil domain containing 114
Ccdc153	NM_001013953	15	1.30	10909463	coiled-coil domain containing 153
Dmrt2	NM_001107951	9	1.22	10870971	DMRT-like family A2
Duxbl	ENSRNOT00000052224	11	1.21	10786197	double homeobox B-like
Gtf2h4	NM_212501	29	1.24	10827936	general transcription factor II H, polypeptide 4
Hoxd10	NM_001107094	-28	0.81	10837003	homeo box D10
Hrasls	NM_001105871	31	1.20	10754987	HRAS-like suppressor
Lmx1a	NM_001105967	-12	0.81	10765424	LIM homeobox transcription factor 1 alpha
LOC499110	ENSRNOT00000041861	27	1.21	10705431	similar to Zinc finger protein 354A (Transcription factor 17) (Renal transcription factor Kid-1) (Kidney, ischemia, and developmentally regulated protein 1)
Nusap1	NM_001107762	-10	0.81	10838843	nucleolar and spindle associated protein 1
Rfx6	NM_001106388	12	1.21	10830105	regulatory factor X, 6
RGD1563034	ENSRNOT00000021187	8	1.28	10719719	similar to ETS domain transcription factor ERF (Ets2 repressor factor)
Srfbp1	NM_001005536	-27	0.83	10801698	serum response factor binding protein 1
RGD1564386	XM_001074961	8	1.20	10824792	similar to TDPOZ3
Zfp278	NM_001107231	9	1.23	10773683	zinc finger protein 278
Znf295	NM_001107105	-35	0.78	10753513	zinc finger protein 295
Znf307	ENSRNOT00000024797	-20	0.82	10798513	zinc finger protein 307
Ddx18	NM_001006996	-37	0.81	10767189	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18
Translation & Protein Modification					
LOC681338	ENSRNOT00000047517	5	1.24	10928032	similar to ribosomal protein L31
LOC683597	ENSRNOT00000030099	-9	0.83	10877637	similar to ribosomal protein L9
Mtrf11	NM_001025723	-33	0.82	10717785	mitochondrial translational release factor 1-like
RGD1564062	ENSRNOT00000033738	-48	0.76	10798841	similar to ribosomal protein L27a
RGD1564552	ENSRNOT00000050803	-89	0.72	10799888	similar to ribosomal protein L21
Mrpl1	NM_001105997	-52	0.83	10775719	mitochondrial ribosomal protein L1
Rpl3	NM_198753	203	1.27	10905530	ribosomal protein L3
Rps9	NM_031108	184	1.26	10718510	ribosomal protein S9
Taf9	NM_001037310	-62	0.83	10812748	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor
Miscellaneous & Unknown					
Fam133b	BC094528	-57	0.65	10936823	family with sequence similarity 133, member B
LOC686013	ENSRNOT00000007407	6	1.24	10810203	hypothetical protein LOC686013
LOC689425	NM_001135002	-16	0.82	10828752	hypothetical protein LOC689425
LOC690206	NM_001109567	-20	0.75	10873029	hypothetical protein LOC690206
LOC690422	ENSRNOT00000029223	-10	0.83	10887627	hypothetical protein LOC690422
LOC499542	NM_001047943	9	1.21	10821984	LRRGT00178
Rwdd2a	NM_001108773	-8	0.79	10912048	RWD domain containing 2A
RGD1561161	NM_001134510	-11	0.80	10813119	similar to BC067074 protein
RGD1565493	XM_002729803	-24	0.82	10903288	similar to DKFZP434I092 protein
RGD1310587	NM_001100857	-19	0.80	10770517	similar to hypothetical protein FLJ14146
RGD1562310	NM_001109066	16	1.24	10762420	similar to hypothetical protein FLJ21415
RGD1311269	NR_033170	28	1.24	10928207	similar to hypothetical protein FLJ37953
RGD1308165	NM_001108664	-27	0.83	10868982	similar to hypothetical protein MGC17337

RGD1562039	ENSRNOT00000049790	30	1.21	10939072	similar to MGC82337 protein
RGD1563945	ENSRNOT00000061140	-21	0.82	10936645	similar to mKIAA0215 protein
RGD1560291	XM_001078928	-13	0.81	10901121	similar to NACHT, leucine rich repeat and PYD containing 4A
LOC501427	ENSRNOT00000061060	-12	0.77	10779531	similar to Spetex-2F protein
Samd12	NM_001130562	-85	0.81	10903721	sterile alpha motif domain containing 12
Ttc36	NM_001005546	-38	0.77	10916876	tetratricopeptide repeat domain 36
Tmco5a	ENSRNOT00000006809	11	1.22	10838571	transmembrane and coiled-coil domains 5A
Tmem156	NM_001025138	9	1.25	10772760	transmembrane protein 156
Utp23	NM_001126266	-23	0.82	10896499	UTP23, small subunit (SSU) processome component, homolog (yeast)
ESTs					
MGC94199	BC079168	-64	0.80	10867596	similar to RIKEN cDNA 2610301B20; EST AI428449
RGD1308251	NM_001108697	44	1.26	10882071	similar to RIKEN cDNA 2810405K02
	XR_009246	17	1.40	10731555	
	XR_008340	-68	0.71	10717829	
	XR_008339	-56	0.60	10845365	
	XR_008033	-7	0.79	10796881	
	XR_007931	-50	0.78	10836964	
	XR_007585	35	1.56	10934560	
	XR_007179	-25	0.78	10830126	
	XR_007098	-37	0.62	10707370	
	XR_006082	6	1.25	10934692	
	XR_006046	-35	0.75	10703137	
	XR_005716	23	1.58	10875005	
	XM_001074777	-170	0.73	10721276	
	ENSRNOT00000056786	-124	0.54	10939699	
	ENSRNOT00000055830	22	1.34	10859174	
	ENSRNOT00000042423	31	1.27	10938712	
	ENSRNOT00000002166	-5	0.82	10836988	
	AF272707	34	1.45	10867318	
	ENSRNOT00000009117	-13	0.77	10867916	
	---	-173	0.83	10732837	
	---	-141	0.76	10805311	
	---	-130	0.70	10742507	
	---	-106	0.66	10827665	
	---	-93	0.73	10848956	
	---	-84	0.64	10903520	
	---	-80	0.83	10768364	
	---	-79	0.77	10798921	
	---	-73	0.79	10934980	
	---	-69	0.80	10810417	
	---	-66	0.78	10817114	
	---	-64	0.82	10833808	
	---	-64	0.59	10914009	
	---	-52	0.77	10723231	
	---	-47	0.81	10932054	
	---	-44	0.82	10716630	
	---	-41	0.67	10830161	
	---	-39	0.80	10914901	
	---	-38	0.61	10866205	
	---	-38	0.73	10795400	
	---	-27	0.80	10877992	
	---	-25	0.79	10818137	

	---	-19	0.79	10840363	
	---	-19	0.78	10713011	
	---	-18	0.77	10724240	
	---	-17	0.65	10873723	
	---	-16	0.76	10732217	
	---	-15	0.76	10725541	
	---	-15	0.77	10925371	
	---	-14	0.78	10824526	
	---	-12	0.82	10892481	
	---	-11	0.76	10706465	
	---	-11	0.79	10727600	
	---	-10	0.82	10802574	
	---	-10	0.77	10927158	
	---	-9	0.75	10740841	
	---	-8	0.76	10706238	
	---	-6	0.82	10901139	
	---	6	1.20	10856127	
	---	6	1.20	10833090	
	---	7	1.25	10856177	
	---	8	1.24	10789696	
	---	8	1.24	10719036	
	---	9	1.33	10778804	
	---	9	1.23	10862942	
	---	9	1.26	10711995	
	---	9	1.30	10899717	
	---	9	1.22	10787805	
	---	9	1.24	10882530	
	---	9	1.26	10938066	
	---	10	1.41	10798792	
	---	10	1.26	10785598	
	---	10	1.34	10702317	
	---	10	1.44	10891491	
	---	11	1.31	10781995	
	---	11	1.27	10782889	
	---	13	1.37	10759597	
	---	14	1.29	10887052	
	---	15	1.32	10852413	
	---	16	1.38	10847172	
	---	17	1.21	10704147	
	---	19	1.25	10887066	
	---	19	1.37	10814299	
	---	19	1.26	10816483	
	---	22	1.35	10755550	
	---	24	1.38	10917344	
	---	25	1.37	10809067	
	---	26	1.33	10750898	
	---	27	1.41	10903965	
	---	27	1.78	10932699	
	---	29	1.26	10878640	
	---	29	1.27	10730659	
	---	29	1.29	10751799	
	---	31	1.31	10909137	
	---	35	1.30	10888388	
	---	44	1.43	10914898	
	---	50	1.98	10767278	
	---	57	1.57	10713873	

	---	84	1.58	10934710	
	---	84	1.78	10856228	

List 8. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat Cortex Region as Compared to Non-Stressed F3-Vinclozolin ('Str-Vin vs Nst-Vin' contrast), 96 genes and EST's

<i>Gene Symbol</i>	<i>GenBank Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Development					
Reln	NM_080394	-67	0.81	10853020	reelin
RGD1563738	ENSRNOT00000052026	17	1.34	10916270	similar to Discs, large homolog 5 (Placenta and prostate DLG)
Epigenetics					
LOC501799	ENSRNOT00000061397	107	1.75	10759485	similar to chromobox homolog 3
Growth Factors					
Ctgf	NM_022266	43	1.28	10717233	connective tissue growth factor
Fgf9	NM_012952	-80	0.81	10780813	fibroblast growth factor 9
Immune Response					
Btnl4	NM_001166344	7	1.27	10828340	butyrophilin-like 4
Metabolism & Transport					
Acot1	NM_031315	5	1.20	10885857	acyl-CoA thioesterase 1
Slc32a1	NM_031782	-78	0.80	10841774	solute carrier family 32 (GABA vesicular transporter), member 1
Lrp12	NM_001134883	-81	0.82	10903503	low density lipoprotein-related protein 12
Pcbd1	NM_001007601	-16	0.82	10830003	pterin-4 alpha-carbinolamine dehydratase
Piga	NM_001108816	45	1.20	10937719	phosphatidylinositol glycan anchor biosynthesis, class A
Pla2g7	NM_001009353	56	1.21	10926683	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
Proteolysis					
Ube2n	BC090072	33	1.58	10759435	ubiquitin-conjugating enzyme E2N
Receptors & Binding Proteins					
Ddr2	NM_031764	-17	0.78	10769695	discoidin domain receptor tyrosine kinase 2
Igfbp6	NM_013104	-78	0.68	10899465	insulin-like growth factor binding protein 6
Olr1559	NM_001000049	-16	0.83	10750647	olfactory receptor 1559
Olr213	NM_001000735	14	1.25	10724601	olfactory receptor 213
Olr756	NM_001000614	-9	0.79	10838414	olfactory receptor 756
Olr862	NM_001001071	-24	0.82	10879329	olfactory receptor 862
LOC304239	ENSRNOT00000049215	26	1.40	10834046	similar to RalA binding protein 1
Vom2r1	NM_001099460	20	1.21	10701668	vomer nasal 2 receptor, 3
Vom2r2	ENSRNOT00000051591	9	1.25	10701636	vomer nasal 2 receptor, 2
Signaling					
RGD1560808	ENSRNOT00000048991	29	1.35	10718191	similar to putative protein kinase
RGD1560825	ENSRNOT00000059958	22	1.25	10703256	similar to putative protein kinase
RGD1561667	ENSRNOT00000059957	17	1.25	10703287	similar to putative protein kinase
RGD1564858	ENSRNOT00000047604	15	1.23	10703274	similar to putative protein kinase
RGD1565231	ENSRNOT00000065348	25	1.24	10718188	similar to putative protein kinase
Transcription					
Chchd2	NM_001015019	-99	0.79	10930091	coiled-coil-helix-coiled-coil-helix domain containing 2
Klhl20	NM_001107192	-46	0.80	10769204	kelch-like 20 (Drosophila)
Med21	NM_001107895	-46	0.83	10859655	mediator complex subunit 21

RGD1560135	ENSRNOT00000040584	27	1.23	10830272	similar to double homeobox, 4
RGD1563747	ENSRNOT00000040887	29	1.25	10833468	similar to double homeobox, 4
RGD1565550	ENSRNOT00000040584	36	1.26	10830279	similar to double homeobox, 4
Txnip	NM_001008767	142	1.37	10817552	thioredoxin interacting protein
Zcchc5	ENSRNOT00000003296	-14	0.83	10938988	zinc finger, CCHC domain containing 5
Translation & Protein Modification					
Mrpl45	NM_001105834	-53	0.83	10737815	mitochondrial ribosomal protein L45
Rnaseh2b	NM_001007007	-34	0.80	10780937	ribonuclease H2, subunit B
RGD1564095	ENSRNOT00000061899	21	1.28	10867377	similar to 60S acidic ribosomal protein P2
RGD1565170	ENSRNOT00000043836	-16	0.73	10780763	similar to 60S ribosomal protein L23a
RGD1559877	ENSRNOT00000049689	23	1.39	10800511	similar to 60S ribosomal protein L29 (P23)
RGD1564552	ENSRNOT00000050803	-37	0.83	10799888	similar to ribosomal protein L21
Miscellaneous & Unknown					
LOC498544	AY383688	9	1.20	10702078	hypothetical protein LOC498544
Spetex-2A	ENSRNOT00000061476	14	1.29	10782777	Spetex-2B protein
Mir196a	NR_031913	8	1.24	10899597	microRNA mir-196a
EST's					
RGD1559459	ENSRNOT00000065079	-5	0.80	10771998	similar to Expressed sequence AI788959
	XR_008286	-23	0.75	10934032	
	XR_008099	-50	0.82	10798900	
	XR_007963	16	1.25	10903522	
	XR_007931	-33	0.83	10836964	
	NC_001665	-282	0.62	10930569	
	ENSRNOT00000054517	-70	0.64	10797013	
	ENSRNOT00000053929	113	1.35	10839872	
	ENSRNOT00000053328	-180	0.72	10855946	
	ENSRNOT00000053279	-241	0.80	10708691	
	ENSRNOT00000053042	78	1.64	10937568	
	ENSRNOT00000052710	-107	0.64	10838282	
	ENSRNOT00000052661	-739	0.73	10722437	
	ENSRNOT00000052661	-739	0.73	10722441	
	ENSRNOT00000052507	-802	0.68	10722471	
	ENSRNOT00000048364	-12	0.77	10900112	
	ENSRNOT0000006888	22	1.22	10892493	
	AF188753	-209	0.76	10855185	
	ENSRNOT00000039948	32	1.28	10767044	
	---	55	1.23	10748601	
	---	-1073	0.46	10722449	
	---	-829	0.76	10761253	
	---	-620	0.61	10722481	
	---	-596	0.76	10722461	
	---	-545	0.70	10722433	
	---	-381	0.76	10758031	
	---	-236	0.56	10722451	
	---	-190	0.59	10722427	
	---	-165	0.78	10848027	
	---	-103	0.82	10846928	
	---	-98	0.73	10722459	
	---	-48	0.82	10787706	
	---	-32	0.81	10884738	
	---	-21	0.77	10831804	
	---	-11	0.81	10894798	
	---	8	1.22	10850313	

	---	9	1.23	10860595	
	---	12	1.21	10714183	
	---	12	1.34	10769229	
	---	14	1.32	10785598	
	---	14	1.32	10774339	
	---	25	1.20	10771525	
	---	26	1.20	10888388	
	---	29	1.31	10734368	
	---	33	1.58	10756268	
	---	33	1.58	10756270	
	---	33	1.58	10756272	
	---	33	1.58	10759445	
	---	56	1.31	10934710	
	---	72	1.51	10933038	

List 9. Genes Expressed Differentially in Non-Stressed F3-Vinclozolin Rat CA1 of the Hippocampus as Compared to Non-Stressed F3-Control ('Nst-Vin vs Nst-Con' contrast), 68 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Ankdd1a	ENSRNOT00000033512	16	1.29	10918281	ankyrin repeat and death domain containing 1A
RGD1563348	NM_001114939	13	1.30	10912076	similar to Selenoprotein H
RGD1559610	BC168964	73	1.21	10879679	similar to CGI-94 protein
Cytoskeleton-ECM					
Gpc4	NM_001014108	65	1.32	10939744	glypican 4
Kb23	NM_001008813	33	1.21	10907369	type II keratin Kb23
Pcdh8	NM_022868	49	1.24	10785461	protocadherin 8
Pcdhb19	ENSRNOT00000060484	40	1.27	10801204	protocadherin beta 19
Rimbp2	NM_001100488	82	1.25	10758064	RIMS binding protein 2
Scg3	NM_053856	196	1.20	10918738	secretogranin III
Epigenetics					
Dact3	ENSRNOT00000043203	69	1.20	10704555	dapper, antagonist of beta-catenin, homolog 3 (Xenopus laevis)
Immune Response					
C1qbp	NM_019259	84	1.20	10744568	complement component 1, q subcomponent binding protein
C1ql3	NM_001109403	235	1.42	10799733	complement component 1, q subcomponent-like 3
Metabolism & Transport					
Atp11a	NM_001107324	-213	0.72	10792859	ATPase, class VI, type 11A
Car14	NM_001109655	-118	0.62	10825100	carbonic anhydrase 14
Chi3l4	ENSRNOT00000055968	7	1.20	10825770	chitinase 3-like 4
Lrp12	NM_001134883	114	1.24	10903501	low density lipoprotein-related protein 12
Slc8a2	NM_078619	163	1.24	10704437	solute carrier family 8 (sodium
Retsat	NM_145084	166	1.36	10856424	retinol saturase (all trans retinol 13,14 reductase)
Sulf1	NM_134378	-67	0.71	10874981	sulfatase 1
Proteolysis					
Rnf213	ENSRNOT00000004904	-16	0.82	10740016	ring finger protein 213
Receptors & Binding Proteins					
Olr1320	NM_001000471	19	1.28	10909285	olfactory receptor 1320
Olr1424	NM_001000779	10	1.24	10742937	olfactory receptor 1424
Olr221	NM_001000200	-13	0.82	10724609	olfactory receptor 221
Olr711	NM_001000625	-6	0.83	10847213	olfactory receptor 711

Signaling					
Calcoco2	XM_220903	6	1.24	10746588	calcium binding and coiled-coil domain 2
Akap5	NM_133515	71	1.20	10885393	A kinase (PRKA) anchor protein 5
Defb42	NM_001037532	-151	0.83	10784446	defensin beta 42
Enpp2	NM_057104	-2109	0.42	10903736	ectonucleotide pyrophosphatase
Plekho2	ENSRNOT00000042633	27	1.22	10918288	pleckstrin homology domain containing, family O member 2
Prosapip1	NM_172022	130	1.23	10849927	ProSAPiP1 protein
Rab40b	NM_001107076	63	1.20	10749809	Rab40b, member RAS oncogene family
RGD1561955	ENSRNOT00000058079	93	1.35	10785405	similar to diacylglycerol kinase eta
Smad1	NM_013130	38	1.24	10806981	SMAD family member 1
Smpdl3b	NM_001025737	55	1.28	10880339	sphingomyelin phosphodiesterase, acid-like 3B
Transcription					
Bhlhe41	AF009329	102	1.29	10867026	basic helix-loop-helix family, member e41
Baz1b	ENSRNOT00000001975	77	1.20	10761209	bromodomain adjacent to zinc finger domain, 1B
Case5	ENSRNOT00000067081	51	1.40	10838741	cancer susceptibility candidate 5
Ccdc34	NM_001108587	29	1.21	10838373	coiled-coil domain containing 34
Dnajc8	NM_001013168	148	1.21	10880372	DnaJ (Hsp40) homolog, subfamily C, member 8
Kbtbd11	NM_001107326	42	1.33	10792660	kelch repeat and BTB (POZ) domain containing 11
Klhl12	NM_153730	44	1.22	10764126	kelch-like 12 (Drosophila)
Mitf	ENSRNOT00000051121	-22	0.81	10857435	microphthalmia-associated transcription factor
LOC691642	XM_002726878	19	1.27	10894417	similar to high mobility group nucleosomal binding domain 1
LOC680767	ENSRNOT00000060096	133	1.22	10760816	similar to transcription elongation factor B (SIII), polypeptide 1
Translation & Protein Modification					
RGD1559743	XM_001077121	-21	0.82	10920785	similar to 40S ribosomal protein S16
Miscellaneous & Unknown					
Utp18	NM_001135039	58	1.22	10746256	UTP18, small subunit (SSU) processome component, homolog (yeast)
RGD1308601	NM_001107374	63	1.24	10805304	similar to hypothetical protein
EST's					
	---	-164	0.82	10750114	
	---	-108	0.71	10716702	
	---	-58	0.83	10740505	
	---	-48	0.81	10923727	
	---	-46	0.78	10830161	
	---	-45	0.82	10820145	
	---	-41	0.76	10892648	
	---	-40	0.75	10788099	
	---	-27	0.82	10932580	
	---	-15	0.82	10887022	
	---	-15	0.82	10887038	
	---	-12	0.83	10787822	
	---	7	1.23	10823674	
	---	10	1.25	10722713	
	---	11	1.36	10850319	
	---	14	1.22	10707254	
	---	14	1.25	10749852	
	---	17	1.23	10827347	
	---	18	1.21	10804461	
	---	23	1.23	10887336	
	---	74	1.26	10809882	

List 10. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat CA1 of the Hippocampus as Compared to Stressed F3-Control ('St-Vin vs St-Con' contrast), 155 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Tnfsf4	NM_053552	-24	0.79	10765092	tumor necrosis factor (ligand) superfamily, member 4
Tnfaip8l3	ENSRNOT00000038830	-10	0.80	10917501	tumor necrosis factor, alpha-induced protein 8-like 3
Cell Cycle					
Cspp1	ENSRNOT00000030345	-84	0.79	10875091	centrosome and spindle pole associated protein 1
Cytoskeleton-ECM					
Bgn	NM_017087	48	1.38	10935890	biglycan
Ceacam10	NM_173339	9	1.28	10705034	carcinoembryonic antigen-related cell adhesion molecule 10
Myom2	NM_001169141	-9	0.83	10792621	myomesin 2
LOC680489	NM_001109415	-19	0.81	10938099	similar to claudin 1
Twf1	NM_001008521	9	1.22	10871693	twinfilin, actin-binding protein, homolog 1 (Drosophila)
Development					
Auts2	ENSRNOT00000044800	-42	0.81	10761299	autism susceptibility candidate 2
Nlgn1	NM_053868	-86	0.83	10822545	neuroligin 1
Syt17	NM_138849	203	1.26	10725235	synaptotagmin XVII
Sntg1	ENSRNOT00000009679	-71	0.83	10867345	syntrophin, gamma 1
Tert	NM_053423	-18	0.83	10717517	telomerase reverse transcriptase
Tor1b	NM_001039197	39	1.25	10835261	torsin family 1, member B
Vgll3	ENSRNOT00000042316	-37	0.74	10749839	vestigial like 3 (Drosophila)
Electron Transport					
Cyp2c13	NM_138514	-32	0.82	10930762	cytochrome P450, family 2, subfamily c, polypeptide 13
LOC100174910	NM_001131003	-90	0.78	10804552	glutaredoxin-like protein
Epigenetics					
Brd8	NM_001008509	57	1.22	10803774	bromodomain containing 8
Growth Factors					
Gdf10	NM_024375	-25	0.76	10786905	growth differentiation factor 10
Gdf9	NM_021672	41	1.23	10733506	growth differentiation factor 9
Il15	NM_013129	-15	0.82	10806899	interleukin 15
Kng1l1	NM_001009628	-49	0.72	10755135	kininogen 1-like 1
LOC360228	NM_001003706	-25	0.80	10736875	WDNM1 homolog
Sept12	NM_001100865	-11	0.81	10731699	septin 12
Tgfb2	NM_031131	150	1.37	10770577	transforming growth factor, beta 2
Immune Response					
Il22	ENSRNOT00000009776	-15	0.82	10895618	interleukin 22
LOC688858	XM_001068599	-181	0.82	10759581	similar to CD209a antigen
RT1-DMb	NM_198740	37	1.26	10831620	RT1 class II, locus DMb
RT1-M6-1	NM_001008852	-45	0.74	10827686	RT1 class I, locus M6, gene 1
Metabolism & Transport					
Dio2	NM_031720	24	1.22	10891402	deiodinase, iodothyronine, type II
Ddost	NM_001012104	234	1.22	10873303	dolichyl-diphosphooligosaccharide-protein glycosyltransferase
Mocos	NM_001108425	-12	0.82	10800546	molybdenum cofactor sulfurase

Por	NM_031576	73	1.21	10761162	P450 (cytochrome) oxidoreductase
Ppid	NM_001004279	-243	0.83	10816008	peptidylprolyl isomerase D (cyclophilin D)
RGD1565145	ENSRNOT00000017696	-12	0.80	10914045	similar to cysteine sulfinic acid decarboxylase
Ttpal	NM_001106537	61	1.22	10842032	tocopherol (alpha) transfer protein-like
Proteolysis					
Klk15	ENSRNOT00000038353	-16	0.83	10706498	kallikrein-related peptidase 15
LOC688812	XR_085983	-31	0.79	10756117	similar to ubiquitin-activating enzyme E1C
Pm20d2	NM_001107922	16	1.23	10875853	peptidase M20 domain containing 2
Prep	NM_001106281	91	1.32	10708672	prolylcarboxypeptidase (angiotensinase C)
Ubc	NM_017314	284	1.26	10758134	ubiquitin C
Ubd	NM_053299	-31	0.83	10830854	ubiquitin D
Receptors & Binding Proteins					
Gfra1	NM_012959	92	1.30	10731075	GDNF family receptor alpha 1
Ifngr1	NM_053783	96	1.22	10701924	interferon gamma receptor 1
LOC304239	ENSRNOT00000049215	-45	0.72	10756334	similar to RalA binding protein 1
Olr1057	NM_001000072	-14	0.83	10900081	olfactory receptor 1057
Olr1405	NM_001001012	-31	0.82	10733296	olfactory receptor 1405
Olr160	NM_001000738	-23	0.81	10709507	olfactory receptor 160
Olr1734	NM_001001119	-8	0.76	10827639	olfactory receptor 1734
Olr542	NM_001000566	-30	0.70	10847042	olfactory receptor 542
Olr582	NM_001000662	-35	0.67	10837545	olfactory receptor 582
Olr584	NM_001000661	-13	0.83	10847074	olfactory receptor 584
Olr629	NM_001001058	-24	0.76	10847109	olfactory receptor 629
Olr720	NM_001001067	-26	0.82	10847229	olfactory receptor 720
Olr734	NM_001000617	-22	0.81	10847242	olfactory receptor 734
Olr996	NM_001000700	30	1.37	10893375	olfactory receptor 996
Paqr5	NM_001014092	21	1.21	10918055	progesterone and adipoQ receptor family member V
Robo3	NM_001108135	-15	0.81	10916201	roundabout homolog 3 (Drosophila)
Tlr2	NM_198769	10	1.26	10823970	toll-like receptor 2
Vom2r66	ENSRNOT00000051621	66	1.32	10774903	vomeroneural 2 receptor, 66
Vom2r-ps27	ENSRNOT00000051051	-17	0.83	10718403	vomeroneural 2 receptor, pseudogene 27
Signaling					
Ebag9	NM_001009665	77	1.20	10896486	estrogen receptor binding site associated, antigen, 9
Gbp4	ENSRNOT00000022648	-12	0.83	10819512	guanylate binding protein 4
Smek1	NM_001108050	94	1.21	10891719	SMEK homolog 1, suppressor of mek1 (Dictyostelium)
Sh3bp4	NM_022693	105	1.38	10925264	SH3-domain binding protein 4
Transcription					
Ccdc37	ENSRNOT00000024222	-15	0.76	10864025	coiled-coil domain containing 37
Dnajc11	NM_001108694	83	1.21	10874223	DnaJ (Hsp40) homolog, subfamily C, member 11
Dnajc30	NM_001109024	21	1.30	10761225	DnaJ (Hsp40) homolog, subfamily C, member 30
Elk1	NM_001108059	72	1.22	10936520	ELK1, member of ETS oncogene family
Gtf2ird1	NM_001001504	-16	0.82	10757829	GTF2I repeat domain containing 1
Hint1	ENSRNOT00000006471	-13	0.78	10862836	histidine triad nucleotide binding protein 1
Luzp1	AF181259	-16	0.83	10873012	leucine zipper protein 1
Ldoc11	ENSRNOT00000039588	83	1.29	10905915	leucine zipper, down-regulated in cancer 1-like
LOC691468	XM_002724499	42	1.22	10733914	similar to Zinc finger protein 84 (Zinc finger protein HPF2)
Tdpz1	XM_345239	40	1.20	10824790	TD and POZ domain containing 1
Tada2b	NM_001170455	-44	0.81	10773358	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta
Zfp212	ENSRNOT00000009054	-64	0.83	10855203	Zinc finger protein 212
Znf307	ENSRNOT00000024797	-31	0.81	10795315	zinc finger protein 307
Znf488	ENSRNOT00000031496	13	1.24	10790433	zinc finger protein 488

Translation & Protein Modification					
LOC362863	NM_001170605	-13	0.83	10894643	first gene upstream of Nt5dc3
Pth1	NM_001108580	-23	0.82	10835624	peptidyl-tRNA hydrolase 1 homolog (<i>S. cerevisiae</i>)
Polr1b	NM_031773	37	1.22	10839751	polymerase (RNA) I polypeptide B
Rplp2	NM_001030021	367	1.24	10776809	ribosomal protein, large P2
RGD1563551	ENSRNOT00000047507	-7	0.79	10865372	similar to ribosomal protein L31
Miscellaneous & Unknown					
LOC100192313	NM_001136261	250	1.20	10902333	hypothetical protein LOC100192313
LOC502684	NM_001025060	-12	0.76	10840826	hypothetical protein LOC502684
LOC691649	ENSRNOT00000005237	110	1.23	10734061	hypothetical protein LOC691649
Rcan3	NM_001012746	33	1.32	10880610	RCAN family member 3
RGD1564171	NM_001109186	-35	0.72	10816879	RGD1564171
RGD1311188	BC162017	44	1.21	10897118	similar to 1500031N24Rik protein
MGC94282	NR_027366	20	1.28	10865838	similar to 5930416I19Rik protein
RGD1564129	ENSRNOT00000038189	-7	0.83	10795611	similar to hypothetical protein 4930474N05
RGD1563072	NM_001107981	58	1.23	10872059	similar to hypothetical protein FLJ38984
Ttc21a	ENSRNOT00000043831	-13	0.79	10914271	tetratricopeptide repeat domain 21A
Tsku	NM_001009965	-33	0.81	10723822	tsukushin
EST's					
RGD1311575	ENSRNOT0000002908	-32	0.81	10776361	hypothetical LOC289568
RGD1306462	BC097453	-13	0.83	10906065	similar to RIKEN cDNA 1700019P01
RGD1306446	NM_001008554	-9	0.82	10772030	similar to RIKEN cDNA 9930032O22 gene
		---	0.79	10855185	
		---	0.80	10932269	
		---	0.82	10890648	
		---	0.74	10831148	
		---	0.80	10894227	
		---	0.78	10872129	
		---	0.79	10788314	
		---	0.81	10914901	
		---	0.70	10807957	
		---	0.68	10818911	
		---	0.82	10820213	
		---	0.78	10804712	
		---	0.77	10796438	
		---	0.81	10746789	
		---	0.76	10883023	
		---	0.77	10914877	
		---	0.70	10840477	
		---	0.81	10717953	
		---	0.54	10736193	
		---	0.76	10790465	
		---	0.77	10726483	
		---	0.66	10723687	
		---	0.61	10776289	
		---	0.79	10893305	
		---	0.77	10802574	
		---	0.78	10755550	
		---	0.78	10771204	
		---	0.65	10807883	
		---	0.82	10850090	
		---	0.75	10877567	

	---	-13	0.75	10701666	
	---	-12	0.82	10725517	
	---	-12	0.78	10830185	
	---	-11	0.81	10894874	
	---	-11	0.83	10764047	
	---	-10	0.80	10763316	
	---	-10	0.79	10890166	
	---	-10	0.82	10754929	
	---	-9	0.80	10803721	
	---	-8	0.76	10933227	
	---	-8	0.79	10729120	
	---	-8	0.83	10839972	
	---	-8	0.81	10776737	
	---	-7	0.82	10863051	
	---	5	1.21	10814661	
	---	8	1.20	10877368	
	---	9	1.22	10894850	
	---	12	1.32	10886244	
	---	13	1.24	10823498	
	---	22	1.59	10850319	
	---	27	1.21	10764400	
	---	31	1.35	10934042	
	---	32	1.22	10896201	
	---	42	1.21	10880526	
	---	46	1.24	10797939	
	---	68	1.60	10722816	
	---	111	1.22	10708560	

List 11. Genes Expressed Differentially in Stressed F3-Control Rat CA1 of the Hippocampus as Compared to Non-Stressed F3-Control ('Str-Con vs Nst-Con' contrast), 118 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Cytoskeleton-ECM					
Glycam1	NM_012794	-65	0.79	10907749	glycosylation dependent cell adhesion molecule 1
Kb23	NM_001008813	32	1.20	10907369	type II keratin Kb23
Kif27	NM_198050	-20	0.78	10793846	kinesin family member 27
Lamb2	NM_012974	-44	0.78	10793140	laminin, beta 2
Lpp	NM_001013864	-34	0.78	10755069	LIM domain containing preferred translocation partner in lipoma
Development					
Atn1	NM_017228	57	1.22	10865487	atrophin 1
Pbxip1	NM_001100976	-51	0.79	10816807	pre-B-cell leukemia homeobox interacting protein 1
Pinx1	NM_001083337	-24	0.80	10781014	PIN2-interacting protein 1
Rex2	ENSRNOT00000040918	52	1.28	10873880	reduced expression 2
Rhox11	NM_001024873	13	1.25	10936270	reproductive homeobox 11
Electron Transport					
Cox8b	NM_012786	-10	0.81	10726669	cytochrome c oxidase, subunit VIIIb
Etfb	NM_001004220	-65	0.81	10706339	electron-transfer-flavoprotein, beta polypeptide
Prdx4	NM_053512	-40	0.82	10933699	peroxiredoxin 4
Pet112l	ENSRNOT00000057128	-64	0.82	10816176	PET112-like (yeast)
Tmem126a	NM_001011557	-30	0.81	10723639	transmembrane protein 126A
Epigenetics					
Cbfa2t3	NM_001108453	12	1.21	10811688	core-binding factor, runt domain, alpha subunit 2; translocated to, 3

Growth Factors					
Igf2r	NM_012756	-91	0.80	10702996	insulin-like growth factor 2 receptor
Mif	NM_031051	-270	0.83	10829649	macrophage migration inhibitory factor
Immune Response					
Mr1	NM_001100635	-23	0.82	10768819	major histocompatibility complex, class I-related
LOC287167	NM_001013853	-93	0.78	10741765	globin, alpha
Metabolism & Transport					
Acaa2	NM_130433	-46	0.80	10802691	acetyl-Coenzyme A acyltransferase 2
Aldh2	NM_032416	-87	0.76	10758663	aldehyde dehydrogenase 2 family (mitochondrial)
Apoc1	NM_012824	-26	0.74	10719524	apolipoprotein C-I
Atp5g1	NM_017311	-134	0.83	10746583	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9)
Atp5g2	NM_133556	-180	0.82	10907634	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C2 (subunit 9)
Decr1	NM_057197	-53	0.83	10875631	2,4-dienoyl CoA reductase 1, mitochondrial
Grhpr	NM_001113754	-50	0.83	10868673	glyoxylate reductase
Gsta3	NM_031509	-304	0.81	10926958	glutathione S-transferase A3
Gsta4	NM_001106840	-29	0.69	10911797	glutathione S-transferase alpha 4
Hba-a2	NM_013096	-1385	0.63	10741756	hemoglobin alpha, adult chain 2
Hbb	NM_033234	-300	0.64	10724311	hemoglobin, beta
Idh2	NM_001014161	-129	0.74	10723020	isocitrate dehydrogenase 2 (NADP+), mitochondrial
LOC682386	ENSRNOT00000027244	-37	0.80	10803759	similar to Nucleoside diphosphate kinase homolog 5 (NDK-H 5) (NDP kinase homolog 5) (nm23-M5)
Ndufab1	NM_001106294	-209	0.77	10725474	NADH dehydrogenase (ubiquinone) 1, alpha
Odc1	NM_012615	-137	0.82	10883785	ornithine decarboxylase 1
Pex14	NM_172063	50	1.27	10881648	peroxisomal biogenesis factor 14
Prodh	NM_001135778	-122	0.75	10752352	proline dehydrogenase
Sult1a1	NM_031834	-60	0.78	10725782	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
Tcn2	NM_022534	-127	0.74	10778028	transcobalamin 2
Urod	NM_019209	-74	0.82	10878926	uroporphyrinogen decarboxylase
Proteolysis					
Rnf213	ENSRNOT00000004904	-16	0.81	10740016	ring finger protein 213
Cst3	NM_012837	-809	0.83	10850563	cystatin C
Mcpt4l1	XM_001056983	11	1.21	10780538	mast cell protease 4-like 1
LOC688812	XR_085983	26	1.22	10756117	similar to ubiquitin-activating enzyme E1C
Receptors & Binding Proteins					
LOC100363058	XM_002742441	-17	0.79	10709757	olfactory receptor 480-like
Mt2A	NM_001137564	-171	0.78	10827989	metallothionein 2A
Mt2A	NM_001137564	-326	0.81	10809399	metallothionein 2A
Olr1320	NM_001000471	16	1.24	10909285	olfactory receptor 1320
Olr567	NM_001000326	-12	0.82	10847060	olfactory receptor 567
Olr760	NM_001001069	28	1.33	10848105	olfactory receptor 760
Vom2r-ps27	ENSRNOT00000051051	17	1.21	10718403	vomer nasal 2 receptor, pseudogene 27
Signaling					
Cttna11	NM_001106649	-78	0.77	10876896	catenin (cadherin associated protein), alpha-like 1
Dusp5	NM_133578	-28	0.77	10716080	dual specificity phosphatase 5
Fkbp14	NM_001013210	-66	0.75	10862643	FK506 binding protein 14
Fxyd1	NM_031648	-261	0.80	10720878	FXYD domain-containing ion transport regulator 1
Mark2	NM_021699	98	1.22	10728396	MAP
Magmas	NM_001100136	-24	0.83	10731783	mitochondria-associated protein involved in

					granulocyte-macrophage colony-stimulating factor signal transduction
Nek6	NM_182953	-38	0.83	10835964	NIMA (never in mitosis gene a)-related kinase 6
Transcription					
E2f5	ENSRNOT00000014361	-22	0.75	10718609	E2F transcription factor 5
Giot1	NM_133563	68	1.25	10900841	gonadotropin inducible ovarian transcription factor 1
Id3	NM_013058	-49	0.83	10872972	inhibitor of DNA binding 3
Polr3k	NM_001014259	-158	0.82	10843132	polymerase (RNA) III (DNA directed) polypeptide K
Zcche11	NM_001107953	54	1.20	10870777	zinc finger, CCHC domain containing 11
Translation & Protein Modification					
Mrpl54	NM_001106770	-102	0.79	10893586	mitochondrial ribosomal protein L54
Mphosph10	NM_001106340	40	1.21	10722566	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)
LOC499485	XM_002725892	22	1.23	10820047	similar to 60S ribosomal protein L17 (L23) (Amino acid starvation-induced protein) (ASI)
RGD1563579	ENSRNOT00000057412	15	1.20	10939086	similar to 60S ribosomal protein L29 (P23)
Serp1	NM_030835	-201	0.80	10823309	stress-associated endoplasmic reticulum protein 1
Miscellaneous & Unknown					
Fam100a	BC079459	77	1.20	10731734	family with sequence similarity 100, member A
LOC100364350	XM_002725175	-64	0.81	10790658	NACHT and WD repeat domain containing 1-like
RGD1562420	ENSRNOT00000007683	44	1.39	10887809	similar to hypothetical protein
RGD1560187	NM_001173556	-140	0.83	10880897	similar to Hypothetical UPF0327 protein
RGD1561667	XM_217999	16	1.23	10703216	similar to putative protein kinase
Tmem147	NM_001038494	-41	0.83	10720767	transmembrane protein 147
Tmem38b	NM_001014191	-37	0.78	10869151	transmembrane protein 38B
EST's					
RGD1311378	BC166836	-42	0.83	10842513	similar to RIKEN cDNA 2010011I20
	---	-81	0.78	10827665	
	---	-56	0.83	10731138	
	---	-49	0.75	10859627	
	---	-31	0.77	10904356	
	---	-28	0.79	10827448	
	---	-28	0.76	10779792	
	---	-26	0.64	10938173	
	---	-26	0.77	10730021	
	---	-22	0.82	10933128	
	---	-22	0.77	10870890	
	---	-21	0.81	10903058	
	---	-18	0.79	10939164	
	---	-12	0.83	10861356	
	---	-9	0.79	10765728	
	---	-9	0.79	10905970	
	---	13	1.37	10774341	
	---	13	1.26	10766994	
	---	14	1.23	10717798	
	---	17	1.28	10707376	
	---	19	1.21	10801535	
	---	23	1.21	10822348	
	---	25	1.33	10853149	
	---	28	1.57	10723687	
	---	29	1.39	10859772	

---	29	1.30	10805577	
---	30	1.20	10736417	
---	33	1.21	10884738	
---	39	1.31	10792132	
---	42	1.21	10768369	
---	50	1.20	10795260	
---	50	1.20	10940007	
---	54	1.67	10922266	
---	70	1.21	10741664	
---	103	1.58	10791602	
---	103	1.58	10833416	
---	108	1.24	10930569	
---	122	1.44	10809882	
---	140	1.21	10805722	
---	142	1.66	10939699	
---	350	1.39	10820008	
---	754	1.34	10930602	

List 12. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat CA1 of the Hippocampus as Compared to Non-Stressed F3-Vinclozolin ('Str-Vin vs Nst-Vin' contrast), 379 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Bace2	NM_001002802	-35	0.71	10750513	beta-site APP-cleaving enzyme 2
Dap3	NM_001011950	-83	0.81	10824373	death associated protein 3
Tifab	NM_001025029	-14	0.82	10793961	TRAF-interacting protein with forkhead-associated domain, family member B
Tnfsf4	NM_053552	-22	0.80	10765092	tumor necrosis factor (ligand) superfamily, member 4
Tnfaip8l3	ENSRNOT00000038830	-18	0.70	10917501	tumor necrosis factor, alpha-induced protein 8-like 3
Cell Cycle					
Cenpc1	NM_001004098	-73	0.79	10772107	centromere protein C 1
Cep70	NM_001017470	-56	0.78	10912464	centrosomal protein 70kDa
Cspp1	ENSRNOT00000030345	-128	0.71	10875091	centrosome and spindle pole associated protein 1
Mcm8	NM_001106514	-17	0.80	10840112	minichromosome maintenance complex component 8
Prc1	NM_001107529	-29	0.73	10708214	protein regulator of cytokinesis 1
Cytoskeleton-ECM					
Cdh8	NM_053393	-335	0.61	10805767	cadherin 8
Ceacam10	NM_173339	9.6	1.30	10705034	carcinoembryonic antigen-related cell adhesion molecule 10
Crtac1	NM_134401	-121	0.73	10715431	cartilage acidic protein 1
Dynlrb2	NM_001108451	-42	0.62	10811283	dynein light chain roadblock-type 2
Gjb6	NM_053388	-134	0.79	10784120	gap junction protein, beta 6
Fank1	NM_001008347	-14	0.78	10711777	fibronectin type 3 and ankyrin repeat domains 1
Hapln1	NM_019189	-92	0.81	10812399	hyaluronan and proteoglycan link protein 1
Krt17	NM_212545	8	1.22	10747296	keratin 17
Klra5	NM_198746	-13	0.78	10866236	killer cell lectin-like receptor, subfamily A, member 5
LOC290704	ENSRNOT000000596	14	1.28	10787918	similar to palladin

	73				
Marvel2	NM_001108936	-15	0.72	10820965	MARVEL domain containing 2
Mosc1	NM_001100811	-9	0.83	10770503	MOCO sulphurase C-terminal domain containing 1
Myom2	NM_001169141	-11	0.80	10792621	myomesin 2
RGD1563615	ENSRNOT00000046525	53	1.24	10793444	similar to Contactin associated protein-like 3 precursor (Cell recognition molecule Caspr3)
Tbca	NM_001013245	-51	0.78	10899579	tubulin folding cofactor A
Ttll3	NM_001108640	-20	0.81	10857767	tubulin tyrosine ligase-like family, member 3
Ttll4	ENSRNOT00000023067	-45	0.81	10924392	tubulin tyrosine ligase-like family, member 4
Development					
Cecr6	XM_001058567	20	1.25	10865198	cat eye syndrome chromosome region, candidate 6 homolog (human)
Crygb	NM_001109875	-9.9	0.80	10928555	crystallin, gamma B
Gsc2	NM_001108846	17	1.24	10752382	gooseoid homeobox 2
Gtl3	NM_001037978	-113	0.78	10805895	gene trap locus 3
Lce1l	NM_001109493	-48	0.76	10824769	late cornified envelope 1L
Lhx2	NM_001106571	-87	0.78	10835958	LIM homeobox 2
Meox1	NM_001108837	23	1.20	10747682	mesenchyme homeobox 1
Myocd	NM_182667	22	1.26	10743652	myocardin
Ntn1	AY028417	56	1.52	10743781	netrin 1
Nlgn1	NM_053868	-156	0.73	10822545	neuroligin 1
Popdc2	NM_199113	-22	0.83	10754179	popeye domain containing 2
Ptov1	NM_001008304	-95	0.80	10721504	prostate tumor overexpressed 1
Robo3	NM_001108135	-21	0.75	10916201	roundabout homolog 3 (Drosophila)
Tecpr1	NM_001037191	-81	0.82	10756638	tectonin beta-propeller repeat containing 1
Vgll3	ENSRNOT00000042316	-44	0.71	10749839	vestigial like 3 (Drosophila)
Rcan3	NM_001012746	37	1.37	10880610	RCAN family member 3
Syt17	NM_138849	193	1.25	10725235	synaptotagmin XVII
Sntg1	ENSRNOT00000009679	-100	0.77	10867345	syntrophin, gamma 1
Tert	NM_053423	-22	0.80	10717517	telomerase reverse transcriptase
Vasn	NM_001109382	41	1.21	10740701	vasorin
DNA Repair					
Rad52	NM_001106617	-46	0.80	10858260	RAD52 homolog (S. cerevisiae)
Electron Transport					
Cox18	NM_001106000	-95	0.81	10771819	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)
Etfb	NM_001004220	-110	0.67	10706339	electron-transfer-flavoprotein, beta polypeptide
LOC100174910	NM_001131003	-129	0.71	10804552	glutaredoxin-like protein
Prdx6	NM_053576	-362	0.66	10769218	peroxiredoxin 6
Pdcl	NM_022247	-115	0.83	10844776	phosducin-like
Pdcl2	ENSRNOT00000002953	-12	0.74	10772243	phosducin-like 2
LOC691211	ENSRNOT00000050823	-9.9	0.79	10724991	similar to Cytochrome c, somatic
Epigenetics					

Dph5	NM_001017449	-32	0.82	10818581	DPH5 <diphthamide methyltransferase > homolog (S. cerevisiae)
Hfm1	XM_002724927	-17	0.80	10771099	HFM1, ATP-dependent DNA helicase homolog (S. cerevisiae)
Hdac8	NM_001126373	-65	0.78	10938734	histone deacetylase 8
Tbx20	NM_001108132	12	1.20	10915817	T-box 20
Growth Factors					
Angpt1	NM_053546	-30	0.69	10903529	angiopoietin 1
Dner	BC086329	-186	0.80	10929482	delta
Gdf10	NM_024375	-30	0.72	10786905	growth differentiation factor 10
Il15	NM_013129	-19	0.78	10806899	interleukin 15
Kng1l1	NM_001009628	-63	0.66	10755135	kininogen 1-like 1
Rxfp1	NM_201417	133	1.80	10823819	relaxin
Tgfb2	NM_031131	212	1.62	10770577	transforming growth factor, beta 2
Wnt7a	NM_001100473	-48	0.75	10864094	wingless-type MMTV integration site family, member 7A
Immune Response					
Cd244	NM_022259	-13	0.77	10765625	Cd244 molecule, natural killer cell receptor 2B4
Cd302	NM_001013916	-35	0.82	10845508	CD302 molecule
Cd5l	NM_001025685	-31	0.77	10816270	Cd5 molecule-like
Igh-1a	BC088254	-12	0.81	10892533	immunoglobulin heavy chain 1a (serum IgG2a)
Il22	ENSRNOT00000009776	-15	0.82	10895618	interleukin 22
LOC688858	XM_001068599	-224	0.78	10759581	similar to CD209a antigen
RT1-M6-1	NM_001008852	-49	0.72	10827686	RT1 class I, locus M6, gene 1
RT1-M6-2	NM_001008853	-36	0.71	10827691	RT1 class I, locus M6, gene 2
Spag8	NM_001173555	-14	0.83	10876426	sperm associated antigen 8
Metabolism & Transport					
Aadacl2	ENSRNOT00000067870	-8	0.82	10815616	arylacetamide deacetylase-like 2
Abhd3	NM_001106162	-276	0.80	10803207	abhydrolase domain containing 3
Acsbg1	NM_134389	-230	0.81	10917568	acyl-CoA synthetase bubblegum family member 1
Adh1	NM_019286	27	1.27	10819379	alcohol dehydrogenase 1 (class I)
Adsl	NM_001130503	-63	0.83	10897854	adenylosuccinate lyase
Apopf	NM_001024351	-16	0.80	10893064	apolipoprotein F
Ass1	NM_013157	27	1.37	10835355	argininosuccinate synthetase 1
Atp5o	NM_138883	-101	0.83	10753198	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
Cad	NM_001105710	-20	0.82	10888872	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
Coq9	NM_001035257	-60	0.81	10809251	coenzyme Q9 homolog (S. cerevisiae)
Crot	NM_031987	-58	0.80	10860548	carnitine O-octanoyltransferase
Gcsh	NM_133598	-127	0.80	10811293	glycine cleavage system protein H (aminomethyl carrier)
Gk	NM_024381	-79	0.77	10938219	glycerol kinase
Gstm5	NM_172038	-245	0.81	10818291	glutathione S-transferase, mu 5
Gstm7	NM_031154	-296	0.78	10825890	glutathione S-transferase, mu 7
Hsd11b1	NM_017080	-226	0.67	10770795	hydroxysteroid 11-beta dehydrogenase 1
Kcnq5l	ENSRNOT00000040034	-337	0.57	10926975	potassium voltage-gated channel, subfamily Q, member 5-like
Peci	NM_001006966	-75	0.80	10794769	peroxisomal D3,D2-enoyl-CoA isomerase
Pgcp	NM_031640	-53	0.80	10896028	plasma glutamate carboxypeptidase
Phyh	NM_053674	-136	0.81	10799558	phytanoyl-CoA 2-hydroxylase
Ppcdc	NM_001108763	-16	0.83	10917754	phosphopantothenoylcysteine decarboxylase
Ppid	NM_001004279	-399	0.75	10816008	peptidylprolyl isomerase D (cyclophilin D)
Prodh	NM_001135778	-134	0.70	10752352	proline dehydrogenase

Pygb	NM_013188	-296	0.78	10840700	phosphorylase, glycogen; brain
Sephs2	NM_001079889	50	1.20	10725993	selenophosphate synthetase 2
Slc14a1	NM_019346	-166	0.80	10805335	solute carrier family 14 (urea transporter), member 1
Slc16a3	NM_030834	39	1.26	10740209	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)
Slc45a2	NM_001107653	-9	0.82	10813686	solute carrier family 45, member 2
Timm17a	NM_019351	-152	0.80	10890170	translocase of inner mitochondrial membrane 17 homolog A (yeast)
Timm8a1	NM_053370	-119	0.81	10939289	translocase of inner mitochondrial membrane 8 homolog a1 (yeast)
Tst	NM_012808	-82	0.83	10905284	thiosulfate sulfurtransferase
Ugt2b	NM_031533	-9	0.80	10771951	UDP glycosyltransferase 2 family, polypeptide B
Urod	NM_019209	-83	0.79	10878926	uroporphyrinogen decarboxylase
Proteolysis					
Herpud1	NM_053523	-74	0.80	10809328	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1
Htra1	NM_031721	-397	0.74	10711566	HtrA serine peptidase 1
Kdelc1	NM_001108217	-57	0.83	10923000	KDEL (Lys-Asp-Glu-Leu) containing 1
Klk15	ENSRNOT00000038353	-27	0.75	10706498	kallikrein-related peptidase 15
LOC360228	NM_001003706	-33	0.75	10736875	WDNM1 homolog
Osgep	NM_001100510	-22	0.79	10783147	O-sialoglycoprotein endopeptidase
Prep	NM_031324	-64	0.78	10830654	prolyl endopeptidase
Prss23	NM_001007691	-34	0.82	10708541	protease, serine, 23
Rnf146	NM_001012060	-165	0.80	10702424	ring finger protein 146
Timp4	NM_001109393	-70	0.81	10864732	tissue inhibitor of metalloproteinase 4
Ubc	NM_017314	350	1.34	10758134	ubiquitin C
Ubr7	NM_001007705	-74	0.82	10886494	ubiquitin protein ligase E3 component n-recognin 7 (putative)
Usp3	NM_001025424	-20	0.81	10918345	ubiquitin specific peptidase 3
Receptors & Binding Proteins					
Adora2b	NM_017161	-36	0.76	10734291	adenosine A2B receptor
Adra1d	NM_024483	-81	0.75	10850087	adrenergic, alpha-1D-, receptor
Bdkrb1	NM_030851	-17	0.83	10886644	bradykinin receptor B1
Efcab2	NM_001105977	-24	0.70	10766065	EF-hand calcium binding domain 2
Efcab6	ENSRNOT00000015447	16	1.34	10905871	EF-hand calcium binding domain 6
Fgfr3	NM_053429	-64	0.79	10777748	fibroblast growth factor receptor 3
Gabrg1	NM_080586	-432	0.65	10772544	gamma-aminobutyric acid (GABA) A receptor, gamma 1
Gfral	ENSRNOT00000052341	-9.8	0.82	10918752	GNDF family receptor alpha like
Ifngr2	NM_001108313	-129	0.76	10750211	interferon gamma receptor 2
Igfbp5	NM_012817	212	1.70	10928837	insulin-like growth factor binding protein 5
Iscu	NM_001105936	-121	0.83	10762887	iron-sulfur cluster scaffold homolog (E. coli)
MGC112715	NM_001044300	59	1.22	10829993	platelet receptor Gi24
Mt2A	NM_001137564	-626	0.67	10809399	metallothionein 2A
Mt2A	NM_001137564	-346	0.61	10827989	metallothionein 2A
Olr1069	NM_001000522	-12	0.78	10900095	olfactory receptor 1069
Olr1088	ENSRNOT00000012907	25	1.22	10900905	olfactory receptor 1088
Olr120	NM_001000154	-21	0.75	10724297	olfactory receptor 120
Olr1321	NM_001000792	10.4	1.22	10909287	olfactory receptor 1321
Olr1418	NM_001000008	-12	0.79	10742927	olfactory receptor 1418
Olr1557	NM_001000050	-10.1	0.75	10753565	olfactory receptor 1557
Olr1640	NM_001000099	-12	0.82	10783355	olfactory receptor 1640
Olr1714	NM_214456	-56	0.81	10830818	olfactory receptor 1714
Olr1734	NM_001001119	-9	0.74	10827639	olfactory receptor 1734
Olr221	NM_001000200	24	1.41	10724609	olfactory receptor 221

Olr423	NM_001000391	12	1.25	10835879	olfactory receptor 423
Olr495	NM_001000310	11	1.28	10846974	olfactory receptor 495
Olr560	NM_001000325	-13	0.83	10837518	olfactory receptor 560
Olr582	NM_001000662	-42	0.63	10837545	olfactory receptor 582
Olr584	NM_001000661	-20	0.76	10847074	olfactory receptor 584
Olr629	NM_001001058	-29	0.72	10847109	olfactory receptor 629
Olr689	NM_001000997	45	1.31	10847176	olfactory receptor 689
Olr734	NM_001000617	-28	0.78	10847242	olfactory receptor 734
Olr809	NM_001000849	17	1.25	10855092	olfactory receptor 809
Olr828	NM_001000991	35	1.30	10858150	olfactory receptor 828
Olr996	NM_001000700	33	1.42	10893375	olfactory receptor 996
Ptbp2	NM_001005555	-290	0.80	10826418	polypyrimidine tract binding protein 2
Sec14l2	NM_053801	-98	0.82	10778043	SEC14-like 2 (<i>S. cerevisiae</i>)
Tlr2	NM_198769	10.0	1.25	10823970	toll-like receptor 2
Trhr	NM_013047	-23	0.72	10896394	thyrotropin releasing hormone receptor
V1rd23	NM_001008947	-16	0.83	10718780	vomer nasal 1 receptor, D23
V1rg6	NM_001008957	-14	0.78	10894297	vomer nasal 1 receptor, G6
Vom2r66	ENSRNOT00000051621	74	1.37	10774903	vomer nasal 2 receptor, 66
Signaling					
Anxa6	NM_024156	-464	0.50	10742712	annexin A6
Arhgap1	NM_001107747	127	1.28	10837960	Rho GTPase activating protein 1
Aurkb	NM_053749	-12	0.77	10734853	aurora kinase B
Dbi	NM_031853	-92	0.78	10931154	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)
Dusp4	NM_022199	-51	0.75	10792035	dual specificity phosphatase 4
Efnal	NM_053599	23	1.25	10824439	ephrin A1
Gbp4	ENSRNOT00000022648	-18	0.76	10819512	guanylate binding protein 4
Gm2a	NM_172335	-99	0.82	10733690	GM2 ganglioside activator
Gpr139	NM_001024241	17	1.24	10725286	G protein-coupled receptor 139
Grin2c	NM_012575	-57	0.81	10748891	glutamate receptor, ionotropic, N-methyl D-aspartate 2C
Ick	NM_138886	92	1.39	10911780	intestinal cell kinase
Igtp	NM_001008765	-10.1	0.82	10733790	interferon gamma induced GTPase
Inpp5j	NM_133562	-84	0.75	10777958	inositol polyphosphate-5-phosphatase J
LOC304239	ENSRNOT00000049215	-66	0.63	10756334	similar to RalA binding protein 1
Map6d1	NM_001108844	77	1.23	10752200	MAP6 domain containing 1
MGC109340	NM_001024267	-167	0.77	10935036	similar to Microsomal signal peptidase 23 kDa subunit (SPase 22 kDa subunit) (SPC22)
Ndr3	NM_001013923	277	1.22	10851210	N-myc downstream regulated gene 3
Nek6	NM_182953	-64	0.75	10835964	NIMA (never in mitosis gene a)-related kinase 6
Pdk2	NM_030872	-161	0.82	10746469	pyruvate dehydrogenase kinase, isozyme 2
Pkib	NM_001076553	-13	0.82	10830216	protein kinase (cAMP-dependent, catalytic) inhibitor beta
Plekho2	ENSRNOT00000042633	-48	0.68	10918288	pleckstrin homology domain containing, family O member 2
Pygm	NM_012638	-95	0.77	10713382	phosphorylase, glycogen, muscle
RGD1562165	ENSRNOT00000029187	-11	0.82	10876836	similar to GABA(A) receptor-associated protein like 2
Rilpl2	NM_001004205	-24	0.81	10758212	Rab interacting lysosomal protein-like 2
Rit1	NM_001109185	-89	0.82	10816607	Ras-like without CAAX 1
Sgef	ENSRNOT00000019553	-73	0.73	10815663	Src homology 3 domain-containing guanine nucleotide exchange factor
Sh3bp4	NM_022693	128	1.50	10925264	SH3-domain binding protein 4
Slamf1	NM_001109078	16	1.23	10765639	signaling lymphocytic activation molecule family member 1
Socs4	NM_001107256	-37	0.83	10779668	suppressor of cytokine signaling 4
Srp14	NM_001106497	-125	0.81	10848434	signal recognition particle 14

Transcription					
Ankdd1a	ENSRNOT00000033512	-19	0.73	10918281	ankyrin repeat and death domain containing 1A
Ankrd60	ENSRNOT00000055082	-16	0.82	10852149	ankyrin repeat domain 60
Ccdc129	ENSRNOT00000045930	-19	0.72	10855741	coiled-coil domain containing 129
Ccdc148	NM_001107732	-28	0.78	10845443	coiled-coil domain containing 148
Ccdc153	NM_001013953	-72	0.56	10909463	coiled-coil domain containing 153
Ccdc30	ENSRNOT00000011325	-41	0.81	10871570	coiled-coil domain containing 30
Ccdc37	ENSRNOT00000024222	-21	0.69	10864025	coiled-coil domain containing 37
Ccdc46	NM_001105849	-22	0.76	10739277	coiled-coil domain containing 46
Clip4	NM_001013942	-117	0.69	10888620	CAP-GLY domain containing linker protein family, member 4
Creb3l3	NM_001012115	18	1.22	10893630	cAMP responsive element binding protein 3-like 3
E2f5	ENSRNOT00000014361	-25	0.72	10718609	E2F transcription factor 5
Elk1	NM_001108059	78	1.24	10936520	ELK1, member of ETS oncogene family
Foxj2	NM_001109352	42	1.23	10858529	forkhead box J2
Gtf2ird1	NM_001001504	-18	0.80	10757829	GTF2I repeat domain containing 1
Haus1	NM_138864	36	1.25	10805313	HAUS augmin-like complex, subunit 1
Hint1	ENSRNOT00000006471	-20	0.70	10862836	histidine triad nucleotide binding protein 1
Kbtbd11	NM_001107326	-43	0.74	10792660	kelch repeat and BTB (POZ) domain containing 11
Klhl36	NM_001017511	-19	0.81	10808356	kelch-like 36 (Drosophila)
Luzp1	AF181259	-20	0.80	10873012	leucine zipper protein 1
March3	NM_001007759	-40	0.73	10804541	membrane-associated ring finger (C3HC4) 3 nucleolar complex associated 4 homolog (S. cerevisiae)
Noc4l	NM_001014129	-40	0.81	10759342	nucleolar protein NOP58
Nop58	NM_021754	-117	0.82	10923670	nucleolar protein NOP58
Nutf2	NM_001007629	-117	0.80	10807386	nuclear transport factor 2
Ovca2	NM_001109036	-74	0.81	10744904	candidate tumor suppressor in ovarian cancer 2
Pnrc1	NM_173322	237	1.20	10875863	proline-rich nuclear receptor coactivator 1
Polr3k	NM_001014259	-204	0.77	10843132	polymerase (RNA) III (DNA directed) polypeptide K
Ppara	NM_013196	-16	0.79	10898359	peroxisome proliferator activated receptor alpha
RGD1565987	ENSRNOT00000048737	-47	0.79	10877694	similar to F-box and leucine-rich repeat protein 18
RGD1565987	ENSRNOT00000048737	-46	0.80	10756806	similar to F-box and leucine-rich repeat protein 18
Ssx1	ENSRNOT00000030146	-9	0.82	10936947	synovial sarcoma, X breakpoint 1
Tada2b	NM_001170455	-54	0.77	10773358	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta
Zcchc3	ENSRNOT00000009859	17	1.21	10850793	zinc finger, CCHC domain containing 3
Zcchc6	ENSRNOT00000067726	136	1.36	10793708	zinc finger, CCHC domain containing 6
Zfp212	ENSRNOT00000009054	-76	0.80	10855203	Zinc finger protein 212
Znf488	ENSRNOT00000031496	15	1.30	10790433	zinc finger protein 488
Translation & Protein Modification					
Cwc22	ENSRNOT00000037684	-66	0.75	10846661	CWC22 spliceosome-associated protein homolog (S. cerevisiae)
Eif4e3	NM_001106612	-159	0.62	10864425	eukaryotic translation initiation factor 4E member 3
LOC500148	NM_001035253	57	1.29	10862792	similar to 40S ribosomal protein S7 (S8)
Lsm3	NM_001106611	-134	0.80	10857310	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)
Mrps16	NM_001109518	-69	0.81	10779159	mitochondrial ribosomal protein S16
Qtrtd1	ENSRNOT00000000317	-30	0.81	10751196	queuine tRNA-ribosyltransferase domain containing 1
Rbm45	NM_153306	-65	0.81	10837056	RNA binding motif protein 45
RGD1560186	ENSRNOT00000049634	-9	0.78	10766758	similar to ribosomal protein L37
RGD1561736	XM_001061583	-80	0.76	10940411	similar to ribosomal protein L10
RGD1563551	ENSRNOT00000047507	-9	0.75	10865372	similar to ribosomal protein L31
RGD1565117	ENSRNOT00000045687	9	1.22	10895828	similar to 40S ribosomal protein S26

Rnase4	NM_020082	-87	0.78	10779832	ribonuclease, RNase A family 4
Rpl28	NM_022697	-186	0.81	10718863	ribosomal protein L28
Rplp2	NM_001030021	366	1.24	10776809	ribosomal protein, large P2
Miscellaneous & Unknown					
Btbd16	NM_001017464	-11	0.82	10711532	BTB (POZ) domain containing 16
Dtwd1	NM_001013921	33	1.23	10839438	DTW domain containing 1
Dydc2	NM_001134797	12	1.20	10790647	DPY30 domain containing 2
Fam123c	ENSRNOT00000033700	-24	0.73	10922449	family with sequence similarity 123C
Fam158a	BC086432	-54	0.83	10783799	family with sequence similarity 158, member A
Fam198b	NM_199105	32	1.29	10816017	family with sequence similarity 198, member B
LOC100359838	XM_002728978	14	1.23	10833596	ret finger protein-like 4-like
LOC100364350	XM_002725175	-69	0.79	10790658	NACHT and WD repeat domain containing 1-like
LOC362863	NM_001170605	-14	0.82	10894643	first gene upstream of Nt5dc3
LOC363306	ENSRNOT00000043269	86	1.27	10921328	hypothetical protein LOC363306
LOC502684	NM_001025060	-17	0.68	10840826	hypothetical protein LOC502684
LOC679307	ENSRNOT00000038733	-12	0.73	10774245	hypothetical protein LOC679307
LOC687395	ENSRNOT00000006406	-139	0.82	10838278	similar to CG9240-PA
Lsmd1	NM_001105794	-149	0.80	10734970	LSM domain containing 1
Luc7l3	NM_001108291	-202	0.76	10746286	LUC7-like 3 (<i>S. cerevisiae</i>)
MGC94282	NR_027366	23	1.32	10865838	similar to 5930416119Rik protein
Mterfd2	NM_001037209	-32	0.78	10929991	MTERF domain containing 2
Ptdc3	NM_001134718	-105	0.80	10863158	Pentatricopeptide repeat domain 3
RGD1305089	NM_001106730	-80	0.81	10884648	similar to 1110008L16Rik protein
RGD1310641	NM_001079701	-14	0.78	10875910	similar to hypothetical protein
RGD1559961	NM_001163736	-71	0.80	10745785	similar to novel protein
RGD1563072	NM_001107981	73	1.31	10872059	similar to hypothetical protein FLJ38984
RGD1565059	NM_001127562	-18	0.83	10823456	similar to hypothetical protein E130311K13
Rtn4ip1	NM_001107644	-72	0.76	10830630	reticulon 4 interacting protein 1
Tlcd1	NM_001013858	-91	0.76	10745214	TLC domain containing 1
Tmem186	NM_001025756	-38	0.83	10731596	transmembrane protein 186
Tmem208	NM_001106179	-64	0.82	10807211	transmembrane protein 208
Tmtc2	XM_001080732	-77	0.78	10902080	transmembrane and tetratricopeptide repeat containing 2
Tsku	NM_001009965	-32	0.82	10723822	tsukushin
ttc21a	ENSRNOT00000043831	-22	0.68	10914271	tetratricopeptide repeat domain 21A
Wdr60	ENSRNOT00000006144	-40	0.82	10892677	WD repeat domain 60
Yjefn3	ENSRNOT00000065345	-26	0.78	10787684	YjeF N-terminal domain containing 3
EST's					
RGD1311575	ENSRNOT00000002908	-46	0.75	10776361	hypothetical LOC289568
LOC499565	NM_001047946	-12	0.81	10814179	LRRGT00038
LOC689296	NM_001109531	-14	0.80	10890190	similar to expressed sequence C79407
RGD1306462	BC097453	-13	0.83	10906065	similar to RIKEN cDNA 1700019P01
RGD1305457	NM_001009430	15	1.25	10894842	similar to RIKEN cDNA 1700023M03
LOC497940	BC079326	-9	0.77	10744306	similar to RIKEN cDNA 2810408A11
RGD1565158	ENSRNOT00000061709	-36	0.71	10740325	similar to RIKEN cDNA 4921537P18
RGD1306446	NM_001008554	-10.3	0.81	10772030	similar to RIKEN cDNA 9930032O22 gene
	---	-702	0.76	10886848	
	---	-270	0.83	10865696	
	---	-170	0.75	10932269	
	---	-92	0.71	10894227	
	---	-91	0.74	10906590	
	---	-68	0.60	10914877	
	---	-65	0.61	10807957	

	---	-63	0.79	10783318	
	---	-63	0.78	10721694	
	---	-61	0.76	10758724	
	---	-53	0.77	10729852	
	---	-52	0.75	10749975	
	---	-49	0.83	10869187	
	---	-47	0.80	10914901	
	---	-47	0.64	10782509	
	---	-46	0.78	10738221	
	---	-45	0.74	10804712	
	---	-44	0.48	10776289	
	---	-42	0.79	10878965	
	---	-40	0.69	10726483	
	---	-39	0.77	10897004	
	---	-38	0.64	10802574	
	---	-36	0.65	10840477	
	---	-33	0.77	10717953	
	---	-33	0.78	10796438	
	---	-31	0.83	10812493	
	---	-30	0.81	10798486	
	---	-27	0.83	10938820	
	---	-25	0.81	10736814	
	---	-24	0.54	10800599	
	---	-22	0.80	10701814	
	---	-22	0.77	10755550	
	---	-22	0.60	10807883	
	---	-21	0.74	10818656	
	---	-20	0.77	10729554	
	---	-19	0.81	10706224	
	---	-19	0.76	10781888	
	---	-18	0.75	10764047	
	---	-17	0.81	10705392	
	---	-17	0.82	10840180	
	---	-17	0.70	10701666	
	---	-16	0.72	10708304	
	---	-16	0.81	10876998	
	---	-13	0.83	10717011	
	---	-13	0.83	10719289	
	---	-13	0.83	10841596	
	---	-12	0.75	10803721	
	---	-12	0.80	10894874	
	---	-12	0.76	10908152	
	---	-11	0.81	10719036	
	---	-11	0.79	10763316	
	---	-11	0.77	10839972	
	---	-11	0.80	10788343	
	---	-11	0.82	10860416	
	---	-11	0.82	10827409	
	---	-10.5	0.77	10890166	
	---	-10.4	0.80	10830185	
	---	-10.3	0.83	10910545	
	---	-10.2	0.75	10776737	
	---	-9.5	0.74	10752253	
	---	-9	0.82	10862921	
	---	-9	0.81	10876750	
	---	-9	0.78	10863051	

---	-9	0.78	10729120	
---	-9	0.78	10934683	
---	-8	0.79	10905970	
---	-8	0.80	10791547	
---	-7	0.82	10708451	
---	-7	0.82	10703566	
---	9	1.23	10788345	
---	9	1.22	10874046	
---	11	1.26	10894850	
---	14	1.21	10868595	
---	14	1.35	10935227	
---	16	1.44	10886244	
---	18	1.23	10742118	
---	21	1.36	10816498	
---	21	1.50	10774341	
---	24	1.25	10801535	
---	25	1.32	10777433	
---	27	1.21	10764400	
---	28	1.30	10823676	
---	29	1.33	10731606	
---	33	1.29	10930576	
---	34	1.43	10838077	
---	42	1.33	10896201	
---	51	1.38	10863026	
---	53	1.28	10880526	
---	64	1.37	10797939	
---	68	1.59	10722816	
---	70	1.23	10833808	
---	111	1.29	10925808	
---	149	1.23	10833287	
---	161	1.28	10813246	
---	176	1.54	10741664	
---	195	1.24	10867364	

List 13. Genes Expressed Differentially in Non-Stressed F3-Vinclozolin Rat CA3 of the Hippocampus as Compared to Non-Stressed F3-Control ('Nst-Vin vs Nst-Con' contrast), 64 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Bfar	NM_001013125	80	1.20	10731229	bifunctional apoptosis regulator
Development					
Pno1	NM_199083	117	1.24	10778568	partner of NOB1 homolog (S. cerevisiae)
LOC689303	ENSRNOT00000041918	-13	0.75	10797584	similar to vitamin A-deficient testicular protein 11-like
Growth Factors					
Kng1	NM_012696	8	1.20	10751988	kininogen 1
Prl8a7	NM_022537	-11	0.83	10795057	prolactin family 8, subfamily a, member 7

Immune Response					
LOC502812	XM_002729360	23	1.27	10863000	similar to [Human Ig rearranged gamma chain mRNA, V_J_C region and complete cds.], gene product
Metabolism & Transport					
Acaa2	NM_130433	-70	0.79	10802691	acetyl-Coenzyme A acyltransferase 2
Chi3l4	XM_001069770	-17	0.82	10825768	chitinase 3-like 4
Kcnf1	NM_001169104	-62	0.81	10889326	potassium voltage-gated channel, subfamily F, member 1
Pop5	NM_001105752	60	1.31	10762717	processing of precursor 5, ribonuclease P
RGD1560402	XM_574850	-57	0.81	10812969	similar to Phosphoglycerate kinase 1
Ugt2b34	ENSRNOT00000002728	11	1.23	10771993	UDP glucuronosyltransferase 2 family, polypeptide B34
Proteolysis					
Serpinb3	NM_001008887	-9	0.82	10766988	serine protease inhibitor B3
Ube2n	NM_053928	200	1.20	10860546	ubiquitin-conjugating enzyme E2N
Receptors & Binding Proteins					
Olr1545	NM_001001105	-26	0.73	10750630	olfactory receptor 1545
Epha5	NM_001169137	221	1.20	10772128	Eph receptor A5
Fgfr1	NM_024146	153	1.23	10792304	Fibroblast growth factor receptor 1
Wbp2	NM_138975	155	1.21	10749108	WW domain binding protein 2
LOC365559	ENSRNOT00000035259	-19	0.82	10832838	similar to mannose-6-phosphate receptor binding protein 1
Wipf3	NM_147211	102	1.21	10855637	WAS
Signaling					
Rcn3	NM_001008694	25	1.21	10721641	reticulocalbin 3, EF-hand calcium binding domain
Sipa1l3	ENSRNOT00000038929	159	1.25	10720504	signal-induced proliferation-associated 1 like 3
Tbc1d25	NM_001106955	50	1.23	10932416	TBC1 domain family, member 25
RGD1560691	NM_001107365	204	1.23	10796307	similar to calcium/calmodulin-dependent protein kinase 1D
Transcription					

Nrip3	NM_001108498	412	1.21	10724785	nuclear receptor interacting protein 3
Miscellaneous & Unknown					
Fam50a	NM_001170573	-40	0.81	10940358	family with sequence similarity 50, member A
LOC502894	NM_001025064	90	1.24	10884921	hypothetical protein LOC502894
LOC678714	ENSRNOT00000051350	-74	0.80	10862027	hypothetical protein LOC678714
RGD1563774	ENSRNOT00000045483	-12	0.80	10875576	similar to hypothetical protein 4930474N05
Tmem60	ENSRNOT00000018040	90	1.24	10860269	transmembrane protein 60
EST's					
RGD1566265	NM_001134589	97	1.22	10939002	similar to RIKEN cDNA 2610002M06
RGD1306282	ENSRNOT00000038294	13	1.26	10902621	similar to RIKEN cDNA 4432406C05
	BC090072	-30	0.64	10759435	
	---	-241	0.80	10813353	
	---	-130	0.77	10794749	
	---	-117	0.74	10838153	
	---	-83	0.58	10939888	
	---	-70	0.74	10908655	
	---	-60	0.74	10878386	
	---	-58	0.61	10859195	
	---	-57	0.63	10928205	
	---	-56	0.81	10860184	
	---	-46	0.81	10857448	
	---	-39	0.73	10778586	
	---	-34	0.69	10902762	
	---	-33	0.74	10933576	
	---	-30	0.64	10756268	
	---	-30	0.64	10756270	
	---	-30	0.64	10756272	
	---	-30	0.64	10759445	
	---	-28	0.76	10703289	
	---	-25	0.77	10789042	
	---	-23	0.72	10714409	
	---	-21	0.83	10722413	
	---	-20	0.79	10909129	
	---	-16	0.82	10936019	
	---	-16	0.79	10861395	
	---	-16	0.83	10800386	
	---	-12	0.82	10885297	
	---	20	1.35	10920741	
	---	20	1.42	10888777	
	---	24	1.23	10714177	
	---	52	1.21	10852671	
	---	70	1.39	10937568	
EST's					
RGD1566265	NM_001134589	97	1.22	10939002	similar to RIKEN cDNA 2610002M06
RGD1306282	ENSRNOT00000038294	13	1.26	10902621	similar to RIKEN cDNA 4432406C05
	BC090072	-30	0.64	10759435	
	---	-241	0.80	10813353	
	---	-130	0.77	10794749	
	---	-117	0.74	10838153	
	---	-83	0.58	10939888	
	---	-70	0.74	10908655	
	---	-60	0.74	10878386	
	---	-58	0.61	10859195	
	---	-57	0.63	10928205	

	---	-56	0.81	10860184	
	---	-46	0.81	10857448	
	---	-39	0.73	10778586	
	---	-34	0.69	10902762	
	---	-33	0.74	10933576	
	---	-30	0.64	10756268	
	---	-30	0.64	10756270	
	---	-30	0.64	10756272	
	---	-30	0.64	10759445	
	---	-28	0.76	10703289	
	---	-25	0.77	10789042	
	---	-23	0.72	10714409	
	---	-21	0.83	10722413	
	---	-20	0.79	10909129	
	---	-16	0.82	10936019	
	---	-16	0.79	10861395	
	---	-16	0.83	10800386	
	---	-12	0.82	10885297	
	---	20	1.35	10920741	
	---	20	1.42	10888777	
	---	24	1.23	10714177	
	---	52	1.21	10852671	
	---	70	1.39	10937568	

List 14. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat CA3 of the Hippocampus as Compared to Stressed F3-Control ('St-Vin vs St-Con' contrast), 23 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Cell Cycle					
Cspp1	ENSRNOT00000008480	-105	0.83	10875093	centrosome and spindle pole associated protein 1
Immune Response					
Cd38	NM_013127	-30	0.82	10777232	CD38 molecule
Receptors & Binding Proteins					
Olr1443	NM_001000018	25	1.22	10733884	olfactory receptor 1443
Olr1567	NM_001000043	16	1.23	10752235	olfactory receptor 1567
Olr666	NM_001000924	13	1.21	10847144	olfactory receptor 666
Olr921	NM_001001385	44	1.29	10900010	olfactory receptor 921
Signaling					
Rab25	NM_001107687	17	1.20	10824339	RAB25, member RAS oncogene family
Transcription					
Zbtb41	ENSRNOT00000015596	-153	0.82	10764404	zinc finger and BTB domain containing 41
Translation & Protein Modification					
RGD1565170	ENSRNOT00000043836	20	1.32	10780763	similar to 60S ribosomal protein L23a
Miscellaneous & Unknown					
Fam75a4	BC085936	-13	0.77	10796941	family with sequence similarity 75, member A4
RGD1563482	NM_001109065	-25	0.82	10761736	similar to hypothetical protein FLJ38663
EST's					
	---	-419	0.80	10886870	
	---	-275	0.81	10886890	
	---	-227	0.81	10886988	

	---	-140	0.82	10908810	
	---	-92	0.82	10870979	
	---	-22	0.80	10938245	
	---	-15	0.82	10892616	
	---	12	1.24	10759473	
	---	18	1.21	10724999	
	---	21	1.35	10703461	
	---	59	1.39	10726672	
	---	392	1.33	10902859	

List 15. Genes Expressed Differentially in Stressed F3-Control Rat CA3 of the Hippocampus as Compared to Non-Stressed F3-Control ('Str-Con vs Nst-Con' contrast), 50 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Cell Cycle					
Cdk2ap2	NM_001109498	-38	0.83	10712786	CDK2-associated protein 2
Cytoskeleton-ECM					
Lcelc	ENSRNOT00000012420	-6	0.82	10824752	late cornified envelope 1C
Spock3	NM_001107310	-227	0.80	10791346	sparc
Growth Factors					
Kng1	NM_012696	10.5	1.27	10751988	kininogen 1
Immune Response					
LOC287167	NM_001013853	-85	0.82	10741765	globin, alpha
Metabolism & Transport					
Acaa2	NM_130433	-60	0.82	10802691	acetyl-Coenzyme A acyltransferase 2
Atp6ap11	ENSRNOT00000044237	-52	0.77	10820308	ATPase, H ⁺ transporting, lysosomal accessory protein 1-like
Hbb	NM_033234	-374	0.63	10724311	hemoglobin, beta
MGC72973	NM_198776	-324	0.63	10724319	beta-glo
Hba-a2	NM_013096	-1192	0.70	10741756	hemoglobin alpha, adult chain 2
Hbb	NM_033234	-311	0.72	10724315	hemoglobin, beta
Proteolysis					
Rnf135	ENSRNOT00000005428	8	1.22	10736636	ring finger protein 135
Receptors & Binding Proteins					
Olr1222	NM_001000440	12	1.20	10909147	olfactory receptor 1222
Olr582	NM_001000662	24	1.25	10837545	olfactory receptor 582
Olr654	NM_001000636	41	1.28	10847125	olfactory receptor 654
Snupn	NM_001004270	-74	0.82	10910252	snurportin 1
Signaling					
Ctnn1	NM_001106649	-90	0.81	10876896	catenin (cadherin associated protein), alpha-like 1
Sfn	XM_001065560	50	1.20	10872572	stratifin
Transcription					
Lrrcc1	NM_001100645	98	1.21	10822290	leucine rich repeat and coiled-coil domain containing 1
LOC500210	XM_002726403	9.8	1.22	10863370	similar to High mobility group protein 1 (HMG-1) (High mobility group protein B1) (Amphoterin) (Heparin-binding protein p30)
Yeats2	NM_001109057	-61	0.81	10755501	YEATS domain containing 2

Miscellaneous & Unknown					
Fam102b	NM_001163568	-94	0.83	10826137	family with sequence similarity 102, member B
RGD1562660	ENSRNOT00000044160	-59	0.76	10809906	RGD1562660
RGD1563774	ENSRNOT00000045483	-11	0.83	10875576	similar to hypothetical protein 4930474N05
EST's					
LOC100365935	BC160895	59	1.20	10833346	rCG22129-like
	---	-78	0.66	10726672	
	---	-70	0.81	10798900	
	---	-66	0.71	10878386	
	---	-47	0.67	10778586	
	---	-35	0.71	10722413	
	---	-32	0.83	10843159	
	---	-29	0.74	10703289	
	---	-27	0.81	10844062	
	---	-20	0.82	10881476	
	---	-16	0.80	10861395	
	---	-15	0.79	10744141	
	---	-12	0.82	10857000	
	---	10.3	1.24	10857203	
	---	13	1.27	10742245	
	---	16	1.24	10894848	
	---	18	1.23	10791329	
	---	19	1.24	10894798	
	---	23	1.31	10717136	
	---	25	1.27	10877933	
	---	25	1.21	10898117	
	---	51	1.22	10867699	
	---	57	1.22	10940126	
	---	65	1.20	10774605	
	---	72	1.26	10923212	
	---	75	1.47	10866205	

List 16. Genes Expressed Differentially in Stressed F3-Vinclozolin Rat CA3 of the Hippocampus as Compared to Non-Stressed F3-Vinclozolin ('Str-Vin vs Nst-Vin' contrast), 202 genes and EST's

<i>Gene Symbol</i>	<i>GenBank_Reference Sequence</i>	<i>Mean_diff</i>	<i>Ratio</i>	<i>Affymetrix ID</i>	<i>Gene Title</i>
Apoptosis					
Snn	NM_001034083	-162	0.81	10740408	stannin
Cell Cycle					
Ccnk	NM_001109672	-50	0.83	10886714	cyclin K
Cnm1	NM_001107593	-111	0.83	10730272	cyclin M1
Cspp1	ENSRNOT00000008480	-120	0.83	10875087	centrosome and spindle pole associated protein 1
RGD1563620	ENSRNOT00000033132	-146	0.82	10815924	similar to retinoblastoma binding protein 4
Cytoskeleton-ECM					
Cadm2	NM_001047102	-330	0.80	10752679	cell adhesion molecule 2
Elmo2	NM_001134955	-168	0.82	10851753	engulfment and cell motility 2
Fxc1	NM_053371	9	1.27	10833834	fractured callus expressed transcript 1
Jph1	NM_001106630	-105	0.77	10867081	junctophilin 1
Krtap14l	ENSRNOT00000064058	52	1.51	10752948	keratin associated protein 14 like
Lum	NM_031050	15	1.21	10895083	lumican
Mast3	NM_001134796	-121	0.81	10787447	microtubule associated serine
Mfap3	NM_001007609	-68	0.83	10733726	microfibrillar-associated protein 3
Mical2	NM_001139508	-184	0.80	10709951	microtubule associated monooxygenase, calponin and LIM domain containing 2

Pcdh1	ENSRNOT00000026324	-197	0.83	10804117	protocadherin 1
Development					
Clmn	NM_001106755	-177	0.78	10892035	calmin
Bbx	NM_001079938	-72	0.82	10750900	bobby sox homolog (Drosophila)
Shisa6	ENSRNOT00000057509	-200	0.77	10743715	shisa homolog 6 (Xenopus laevis)
Dpy19l3	NM_001135835	-196	0.83	10721126	dpy-19-like 3 (C. elegans)
Lrrc8b	NM_001107204	-106	0.79	10775278	leucine rich repeat containing 8 family, member B
Msl1	NM_001107048	-126	0.82	10738071	male-specific lethal 1 homolog (Drosophila)
Nedd4l	NM_001008300	-192	0.83	10802231	neural precursor cell expressed, developmentally down-regulated 4-like
Odz3	NM_001169133	-91	0.78	10788086	odz, odd Oz
Sez6	ENSRNOT00000048543	-234	0.82	10736119	seizure related 6 homolog (mouse)
Sema3e	NM_001106579	-180	0.81	10860457	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E
Skil	ENSRNOT00000013191	-169	0.79	10822637	SKI-like oncogene
LOC689303	ENSRNOT00000041918	11	1.27	10797584	similar to vitamin A-deficient testicular protein 11-like
Syn3	NM_017109	-23	0.83	10894465	synapsin III
Sncg	NM_031688	47	1.20	10790471	synuclein, gamma (breast cancer-specific protein 1)
Wasf1	NM_001025114	-374	0.80	10833952	WAS protein family, member 1
Epigenetics					
Hist1h2bc	NM_001109400	-90	0.81	10798488	histone cluster 1, H2bc
Hist1h2bn	NM_001106114	-51	0.82	10798494	histone cluster 1, H2bn
Mir483	NR_032112	173	1.31	10727006	microRNA mir-483
Brd2	NM_212495	-100	0.82	10828364	bromodomain containing 2
Prmt8	ENSRNOT00000006878	-184	0.83	10865790	protein arginine methyltransferase 8
Golgi Apparatus					
Gga3	NM_001108304	-106	0.82	10748973	golgi associated, gamma adaptin ear containing, ARF binding protein 3
Immune Response					
Nfat5	NM_001107425	-119	0.80	10807638	nuclear factor of activated T-cells 5
LOC685767	ENSRNOT00000048964	20	1.22	10751086	similar to OX-2 membrane glycoprotein precursor (MRC OX-2 antigen) (CD200 antigen)
Metabolism & Transport					
Aldh1a2	NM_053896	34	1.31	10911380	aldehyde dehydrogenase 1 family, member A2
Aox4	ENSRNOT00000033068	-208	0.80	10923476	aldehyde oxidase 4
Bco2	NM_001127712	38	1.21	10917215	beta-carotene oxygenase 2
Cacnb4	NM_001105733	-114	0.83	10845306	calcium channel, voltage-dependent, beta 4 subunit
Cacng8	NM_080696	-172	0.82	10718561	calcium channel, voltage-dependent, gamma subunit 8
Commd10	NM_001004276	-155	0.83	10801584	COMM domain containing 10
Cyp4a2	NM_001044770	42	1.27	10878780	cytochrome P450, family 4, subfamily a, polypeptide 2
Elov16	NM_134383	-111	0.83	10819005	ELOVL family member 6, elongation of long chain fatty acids (yeast)
Hs6st2	ENSRNOT00000040165	-84	0.74	10939725	heparan sulfate 6-O-sulfotransferase 2
Ift88	NM_001107266	-54	0.82	10780765	intraflagellar transport 88 homolog (Chlamydomonas)
Kcnd2	NM_031730	-291	0.82	10853905	potassium voltage-gated channel, Shal-related subfamily, member 2
Kcnn2	NM_019314	-177	0.81	10801520	potassium intermediate
Nup205	NM_001108620	-45	0.83	10854494	nucleoporin 205
Plcb1	NM_001077641	-196	0.83	10840142	phospholipase C, beta 1 (phosphoinositide-specific)
Scn3b	NM_139097	-487	0.83	10909328	sodium channel, voltage-gated, type III, beta

St8sia3	NM_013029	-234	0.83	10802222	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3
Trpc5	NM_080898	-222	0.72	10932726	transient receptor potential cation channel, subfamily C, member 5
Trak2	NM_133560	-207	0.81	10928307	trafficking protein, kinesin binding 2
Proteolysis					
Adam23	NM_001029899	-143	0.82	10923877	ADAM metallopeptidase domain 23
Dpp6	NM_022850	-258	0.81	10859886	dipeptidylpeptidase 6
Hecw2	NM_001108218	-113	0.83	10928001	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
Receptors & Binding Proteins					
Baiap2	NM_057196	-190	0.83	10740094	BAI1-associated protein 2
Ctnbp2	NM_001114401	-245	0.83	10861171	cortactin binding protein 2
Epha5	NM_001169137	-226	0.83	10772128	EphA5
Lphn3	NM_130822	-184	0.82	10776264	latrophilin 3
Lrp6	NM_001107892	-96	0.82	10866374	low density lipoprotein receptor-related protein 6
Olr105	NM_001000146	91	1.21	10724274	olfactory receptor 105
Olr1143	NM_001001017	56	1.20	10908171	olfactory receptor 1143
Olr1226	NM_001000442	48	1.27	10909154	olfactory receptor 1226
Olr1364	NM_001000858	139	1.23	10740780	olfactory receptor 1364
Olr1400	NM_001001096	23	1.20	10733098	olfactory receptor 1400
Olr1567	NM_001000043	17	1.25	10752235	olfactory receptor 1567
Olr1637	NM_001000503	52	1.22	10783186	olfactory receptor 1637
Olr1714	NM_214456	83	1.32	10830818	olfactory receptor 1714
Olr1726	NM_001000896	102	1.34	10830830	olfactory receptor 1726
Olr546	NM_001001054	73	1.30	10847049	olfactory receptor 546
Olr566	NM_001000665	26	1.22	10837528	olfactory receptor 566
Olr712	NM_001000624	9	1.27	10847215	olfactory receptor 712
Olr886	NM_001001382	17	1.23	10899979	olfactory receptor 886
Olr921	NM_001001385	46	1.31	10900010	olfactory receptor 921
RGD1566059	ENSRNOT00000046220	54	1.28	10838423	similar to olfactory receptor Olfr1289
Sorl1	NM_053519	-227	0.83	10916493	sortilin-related receptor, LDLR class A repeats-containing
V1rc1	NM_001008906	24	1.22	10855806	vomer nasal 1 receptor, C1
Vom2r24	NM_001099493	32	1.27	10703632	vomer nasal 2 receptor, 24
Vom2r56	NM_001099484	13	1.26	10901190	vomer nasal 2 receptor, 56
Signaling					
Csrnp3	ENSRNOT00000007197	-120	0.81	10836490	cysteine-serine-rich nuclear protein 3
Defb49	NM_001037527	55	1.21	10926837	defensin beta 49
Defa24	NM_001013053	16	1.21	10792538	defensin, alpha, 24
Dixdc1	NM_001037654	-72	0.79	10917260	DIX domain containing 1
Dgki	NM_198782	-129	0.80	10861843	diacylglycerol kinase, iota
Dclk2	NM_001009691	-179	0.79	10824091	doublecortin-like kinase 2
Frmf4b	ENSRNOT00000010717	-51	0.81	10864371	FERM domain containing 4B
Jak1	NM_053466	-219	0.83	10878286	Janus kinase 1
Ksr1	NM_001108284	-72	0.82	10745303	kinase suppressor of ras 1
Ppp1r9a	NM_053473	-149	0.83	10853614	protein phosphatase 1, regulatory (inhibitor) subunit 9A
Rab11fip2	NM_001107447	-128	0.83	10731140	RAB11 family interacting protein 2 (class I)
Sipa1l3	ENSRNOT00000038929	-187	0.76	10720504	signal-induced proliferation-associated 1 like 3
Sh3bp4	NM_022693	-55	0.82	10925264	SH3-domain binding protein 4
Snx19	NM_001108131	-129	0.79	10908764	sorting nexin 19
Snx32	ENSRNOT00000036745	-56	0.81	10727884	sorting nexin 32
Tbc1d25	NM_001106955	-49	0.82	10932416	TBC1 domain family, member 25
Transcription					

Ankrd45	ENSRNOT0000003857	-161	0.82	10765051	ankyrin repeat domain 45
Ahctf1	ENSRNOT00000035875	-131	0.80	10770261	AT hook containing transcription factor 1
Bcl6	NM_001107084	-80	0.80	10751931	B-cell CLL
Cnot7	NM_001107313	-196	0.82	10788414	CCR4-NOT transcription complex, subunit 7
Dnajb5	NM_001108004	-114	0.83	10868428	DnaJ (Hsp40) homolog, subfamily B, member 5
E2f5	ENSRNOT00000014361	-39	0.65	10718609	E2F transcription factor 5
Ing2	NM_001106083	-63	0.82	10788134	inhibitor of growth family, member 2
Med14	ENSRNOT00000066480	-177	0.83	10932279	mediator complex subunit 14
Myt1l	NM_053888	-157	0.83	10884001	myelin transcription factor 1-like
Mef2d	NM_030860	-91	0.81	10816470	myocyte enhancer factor 2D
Pcif1	NM_001108605	-54	0.82	10842221	PDX1 C-terminal inhibiting factor 1 <PDX1 = pancreatic and duodenal homeobox 1>
Tdpoz1	XM_345239	45	1.21	10824790	TD and POZ domain containing 1
Tcf3	NM_001107865	59	1.21	10863277	transcription factor 3
Yeats2	NM_001109057	-59	0.82	10755501	YEATS domain containing 2
Zbtb45	NM_001107478	-26	0.82	10704281	zinc finger and BTB domain containing 45
Zeb2	NM_001033701	-317	0.81	10845072	zinc finger E-box binding homeobox 2
Zfp354b	ENSRNOT0000004902	-14	0.83	10742466	zinc finger protein 354B
Zfp462	ENSRNOT00000047225	-121	0.71	10869158	zinc finger protein 462
Znf667	NM_001008557	-62	0.83	10718696	zinc finger protein 667
Dhx57	ENSRNOT00000037705	-66	0.82	10887990	DEAH (Asp-Glu-Ala-Asp
Translation & Protein Modification					
Eif1b	NM_001106867	-197	0.82	10914349	eukaryotic translation initiation factor 1B
Eif4g3	NM_001106693	-133	0.83	10873226	eukaryotic translation initiation factor 4 gamma, 3
Imp3	NM_001108152	-171	0.83	10910249	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)
Prpf38b	NM_001024305	-86	0.83	10826130	PRP38 pre-mRNA processing factor 38 (yeast) domain containing B
RGD1559743	XM_001077121	22	1.21	10920785	similar to 40S ribosomal protein S16
RGD1559955	ENSRNOT00000046179	72	1.35	10925757	similar to 40S ribosomal protein S17
Miscellaneous & Unknown					
Fam102b	NM_001163568	-109	0.81	10826137	family with sequence similarity 102, member B
LOC681205	ENSRNOT00000020640	15	1.23	10921453	hypothetical protein LOC681205
LOC685340	ENSRNOT00000039568	10	1.23	10933970	hypothetical protein LOC685340
Prb1	L17318	241	1.24	10866332	proline-rich protein BstNI subfamily 1
RGD1562660	ENSRNOT00000044160	-34	0.83	10809906	RGD1562660
RGD1563065	ENSRNOT00000002978	-105	0.76	10772788	similar to 3110047P20Rik protein
RGD1308297	BC082039	-166	0.82	10785745	similar to CG10084-PA
RGD1564195	ENSRNOT00000049044	-79	0.82	10725914	similar to hypothetical protein
RGD1306556	ENSRNOT00000000901	-35	0.80	10759227	similar to hypothetical protein A530094D01
RGD1564200	NM_001108969	-104	0.81	10867587	similar to hypothetical protein MGC34646
RGD1560883	ENSRNOT00000018479	-50	0.83	10812297	similar to KIAA0825 protein
Trim2	NM_001108552	-344	0.83	10824017	tripartite motif-containing 2
EST's					
LOC290577	XM_002725158	40	1.33	10786993	hypothetical LOC290577
RGD1564814	ENSRNOT00000038133	28	1.25	10775737	similar to CDNA sequence BC061212
RGD1305664	ENSRNOT00000004829	-102	0.81	10743626	similar to KIAA0672 gene product
---		-103	0.78	10722718	
---		-88	0.83	10867008	
---		-77	0.81	10743702	
---		-73	0.82	10869817	
---		-72	0.83	10801258	
---		-72	0.83	10924669	

---	-71	0.81	10869614
---	-52	0.81	10743680
---	-52	0.81	10743699
---	-48	0.78	10765036
---	-48	0.82	10758033
---	-46	0.80	10765038
---	-29	0.79	10761268
---	-28	0.59	10888777
---	-23	0.82	10714177
---	-21	0.77	10815350
---	-18	0.81	10749977
---	-17	0.83	10882888
---	-13	0.81	10857000
---	-10	0.78	10887693
---	7	1.24	10933227
---	9	1.30	10850313
---	10	1.23	10794940
---	11	1.29	10788028
---	11	1.21	10796768
---	12	1.24	10806925
---	14	1.27	10908156
---	14	1.31	10892794
---	15	1.26	10886267
---	15	1.24	10822733
---	17	1.21	10718428
---	17	1.22	10787820
---	18	1.21	10884694
---	21	1.25	10789042
---	22	1.23	10934042
---	26	1.34	10828152
---	26	1.77	10850319
---	26	1.22	10769619
---	28	1.30	10877933
---	28	1.53	10703461
---	33	1.23	10927211
---	33	1.36	10933576
---	40	1.24	10715188
---	41	1.23	10904230
---	41	1.21	10901836
---	42	1.27	10797939
---	46	1.26	10800328
---	47	1.20	10717353
---	52	1.30	10704169
---	53	1.30	10773461
---	55	1.25	10934978
---	55	1.24	10913627
---	68	1.76	10859195
---	69	1.27	10802272
---	125	1.25	10892656
---	128	1.25	10934792
---	211	1.26	10737708
---	246	1.37	10719159
---	346	1.24	10909581
---	415	1.35	10902859
---	685	1.39	10788070
---	733	1.52	10815996

