

**Supplemental Table S1.**

**Differentially expressed genes from F3 generation vinclozolin lineage Sertoli cells as compared to control lineage cells (416 genes & ESTs)**

Gene Symbol	GenBank, Reference Sequence	Ratio (Vin/C on)	mean_dif (Vin-Con)	ProbeSet ID	Gene Title
<b>Apoptosis</b>					
Card6	NM_001106413	<b>1.27</b>	<b>16</b>	10821685	caspase recruitment domain family, member 6
Diablo	NM_001008292	<b>0.69</b>	<b>-271</b>	10758432	diablo homolog (Drosophila)
Lins1	XM_218748	<b>0.80</b>	<b>-19</b>	10707837	lines homolog 1 (Drosophila)
Pdcd2l	NM_001109544	<b>0.78</b>	<b>-22</b>	10720982	programmed cell death 2-like
Pdcd5	NM_001106247	<b>0.74</b>	<b>-76</b>	10721120	programmed cell death 5
<b>Cell Cycle</b>					
Ccne1	NM_001100821	<b>0.77</b>	<b>-14</b>	10721176	cyclin E1
Ccnh	NM_052981	<b>1.20</b>	<b>41</b>	10812363	cyclin H
Ccnt2	NM_001107171	<b>1.21</b>	<b>157</b>	10767280	cyclin T2
Ccny	XM_341545	<b>0.81</b>	<b>-60</b>	10798952	cyclin Y
Cdc25c	NM_001107396	<b>0.81</b>	<b>-21</b>	10803824	cell division cycle 25 homolog C (S. pombe)
Cdca3	NM_001007648	<b>0.63</b>	<b>-16</b>	10858707	cell division cycle associated 3
Centpn	NM_001008366	<b>0.70</b>	<b>-46</b>	10808197	centromere protein N
Cspp1	XM_342793	<b>1.33</b>	<b>61</b>	10875064	centrosome and spindle pole associated protein 1
Chfr	NM_001009258	<b>0.81</b>	<b>-31</b>	10763116	checkpoint with forkhead and ring finger domains
Pot1b	XM_001073777	<b>1.36</b>	<b>14</b>	10931288	protection of telomeres 1B
Rbbp8	NM_001134417	<b>1.36</b>	<b>56</b>	10800173	retinoblastoma binding protein 8
Syce2	XM_344745	<b>0.82</b>	<b>-41</b>	10810040	synaptonemal complex central element protein 2
Tmem30c	NM_001105889	<b>0.78</b>	<b>-15</b>	10750701	transmembrane protein 30C
Tacc3	NM_001004424	<b>0.78</b>	<b>-19</b>	10777770	transforming, acidic coiled-coil containing protein 3
<b>Cytoskeleton-ECM</b>					
Actr10	NM_001009602	<b>0.74</b>	<b>-251</b>	10885031	actin-related protein 10 homolog (S. cerevisiae)
Actr6	NM_001108081	<b>1.39</b>	<b>211</b>	10901771	ARP6 actin-related protein 6 homolog (yeast)
Dnah2	XP_220603	<b>0.71</b>	<b>-14</b>	10743989	dynein, axonemal, heavy chain 2
Eml5	AY445136	<b>1.50</b>	<b>78</b>	10891561	echinoderm microtubule associated protein like 5
Esco1	NM_001126299	<b>1.67</b>	<b>121</b>	10767013	establishment of cohesion 1 homolog 1 (S. cerevisiae)
Kif27	NM_198050	<b>0.73</b>	<b>-27</b>	10793846	kinesin family member 27
Lysmd3	NM_001009698	<b>1.26</b>	<b>15</b>	10812339	LysM, putative peptidoglycan-binding, domain containing 3
Odf4	NM_001007670	<b>0.65</b>	<b>-49</b>	10743797	outer dense fiber of sperm tails 4
Rpain	NM_001033060	<b>0.81</b>	<b>-16</b>	10735400	RPA interacting protein
Sgcb	XM_001056227	<b>1.26</b>	<b>88</b>	10772318	sarcoglycan, beta (dystrophin-associated glycoprotein)
Svil	NM_001108416	<b>1.27</b>	<b>14</b>	10798794	supervillin
Ttll13	NM_001134962	<b>0.67</b>	<b>-28</b>	10708172	tubulin tyrosine ligase-like family, member 13
Tubg1	NM_145778	<b>0.78</b>	<b>-15</b>	10738296	tubulin, gamma 1
RGD1560248	XM_575134	<b>1.30</b>	<b>40</b>	10836212	similar to formin-like 2 isoform B
<b>Development</b>					
Angel2	NM_001135119	<b>0.80</b>	<b>-63</b>	10766709	angel homolog 2 (Drosophila)
B9d1	NM_001105786	<b>0.77</b>	<b>-26</b>	10734250	B9 protein domain 1
Bbs2	NM_053618	<b>0.79</b>	<b>-100</b>	10806016	Bardet-Biedl syndrome 2
Bbs9	XM_235942	<b>0.72</b>	<b>-69</b>	10908617	Bardet-Biedl syndrome 9
Bspry	NM_022261	<b>0.66</b>	<b>-33</b>	10869331	B-box and SPRY domain containing
Cby1	NM_145676	<b>0.74</b>	<b>-43</b>	10897698	chibby homolog 1 (Drosophila)
Crbn	NM_001015003	<b>1.57</b>	<b>172</b>	10864525	cereblon
Dynlt1	NM_031318	<b>0.79</b>	<b>-216</b>	10717882	dynein light chain Tctex-type 1
Emg1	NM_001107888	<b>0.73</b>	<b>-115</b>	10865452	EMG1 nucleolar protein homolog (S. cerevisiae)
Fbn1	NM_031825	<b>1.41</b>	<b>44</b>	10849327	fibillin 1
Gtsf1	NM_001079707	<b>0.56</b>	<b>-61</b>	10907722	gametocyte specific factor 1
Lrrc48	NM_001013857	<b>0.73</b>	<b>-83</b>	10734045	leucine rich repeat containing 48
Lrrc56	NM_001024902	<b>0.69</b>	<b>-24</b>	10712224	leucine rich repeat containing 56
Lrrc8b	NM_001107204	<b>1.24</b>	<b>30</b>	10775278	leucine rich repeat containing 8 family, member B
Mospd1	NM_001014107	<b>1.45</b>	<b>20</b>	10778399	motile sperm domain containing 1
Odz4	XM_218927	<b>1.42</b>	<b>23</b>	10708695	odz, odd Oz/ten-m homolog 4 (Drosophila)

Sav1	NM_001097581	<b>0.77</b>	<b>-28</b>	10890397	salvador homolog 1 (Drosophila)
Shfm1	NM_001126090	<b>0.70</b>	<b>-141</b>	10860939	split hand/foot malformation (ectrodactyly) type 1
Ssna1	NM_001107820	<b>0.66</b>	<b>-110</b>	10843396	Sjogren syndrome nuclear autoantigen 1
Surf4	NM_001033868	<b>0.81</b>	<b>-76</b>	10843893	surfeit 4
Urb2	NM_001135708	<b>0.64</b>	<b>-174</b>	10808764	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)
Vwa5a	NM_198755	<b>1.52</b>	<b>51</b>	10909210	von Willebrand factor A domain containing 5A
Wbscr17	NM_001025112	<b>0.64</b>	<b>-24</b>	10757940	Williams-Beuren syndrome chromosome region 17 homolog (human)
LOC687994	XM_001080810	<b>1.27</b>	<b>48</b>	10867109	similar to 82-kD FMRP Interacting Protein
RGD1562629	XM_001059612	<b>1.22</b>	<b>51</b>	10823252	similar to neurobeachin
<b>DNA Repair</b>					
Mdc1	NM_001166275	<b>0.70</b>	<b>-85</b>	10831041	mediator of DNA damage checkpoint 1
Rad54l	NM_001134960	<b>0.75</b>	<b>-31</b>	10871151	RAD54 like (S. cerevisiae)
Rad9b	NM_001030042	<b>0.79</b>	<b>-44</b>	10758587	RAD9 homolog B (S. cerevisiae)
Rad54b	XM_232785	<b>0.73</b>	<b>-12</b>	10867642	RAD54 homolog B (S. cerevisiae)
<b>Electron Transport</b>					
Cox5b	NM_053586	<b>0.73</b>	<b>-80</b>	10922572	cytochrome c oxidase subunit Vb
LOC305698	XM_223806	<b>1.31</b>	<b>13</b>	10786123	similar to Glutaredoxin-1 (Thioltransferase-1) (TTase-1)
LOC685322	NM_001170465	<b>0.72</b>	<b>-37</b>	10778108	similar to ubiquinol-cytochrome c reductase complex 7.2kDa protein isoform b
LOC688869	NM_001145273	<b>0.81</b>	<b>-133</b>	10720721	similar to cytochrome c oxidase, subunit Vlb polypeptide 1
Prdx5	NM_053610	<b>0.79</b>	<b>-48</b>	10728240	peroxiredoxin 5
Asf1b	NM_001107160	<b>0.64</b>	<b>-79</b>	10810230	ASF1 anti-silencing function 1 homolog B (S. cerevisiae)
Chd2	NM_001107523	<b>1.29</b>	<b>66</b>	10722770	chromodomain helicase DNA binding protein 2
Gadd45g	NM_001077640	<b>1.47</b>	<b>51</b>	10797527	growth arrest and DNA-damage-inducible, gamma
Hdac1	NM_001025409	<b>0.74</b>	<b>-127</b>	10880012	histone deacetylase 1
Helq	NM_001014134	<b>0.73</b>	<b>-15</b>	10771371	helicase, POLQ-like
Hells	NM_001106371	<b>1.92</b>	<b>104</b>	10715200	helicase, lymphoid specific
Hist1h2bn	NM_001106114	<b>0.75</b>	<b>-99</b>	10798494	histone cluster 1, H2bn
Jmjd1c	XP_228122	<b>1.31</b>	<b>43</b>	10832808	jumonji domain containing 1C
L3mbtl3	NM_001107612	<b>1.45</b>	<b>36</b>	10702165	l(3)mbt-like 3 (Drosophila)
LOC682649	ENSRNOT00000004	<b>0.76</b>	<b>-278</b>	10795265	similar to Histone H2A type 1
Recql	NM_001012098	<b>0.81</b>	<b>-37</b>	10866672	RecQ protein-like (DNA helicase Q1-like)
LOC100361110	XM_002727043	<b>0.81</b>	<b>-12</b>	10917992	histone H3.3B-like
RGD1564767	NM_001024282	<b>0.76</b>	<b>-44</b>	10795196	Histone H2a
<b>Golgi Apparatus</b>					
Ap3m1	NM_133593	<b>1.26</b>	<b>96</b>	10779018	adaptor-related protein complex 3, mu 1 subunit
Ap3m2	NM_133305	<b>0.68</b>	<b>-17</b>	10789074	adaptor-related protein complex 3, mu 2 subunit
Ap4b1	NM_001107709	<b>0.79</b>	<b>-44</b>	10818021	adaptor-related protein complex 4, beta 1 subunit
Gbf1	XM_219953	<b>0.76</b>	<b>-125</b>	10715746	golgi-specific brefeldin A resistant guanine nucleotide exchange factor 1
Golim4	BC091440	<b>1.58</b>	<b>154</b>	10823742	golgi integral membrane protein 4
Hs6st1	NM_001108210	<b>1.40</b>	<b>100</b>	10922489	heparan sulfate 6-O-sulfotransferase 1
Ogt	NM_017107	<b>1.26</b>	<b>319</b>	10934445	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)
Plbd2	NM_139255	<b>0.83</b>	<b>-93</b>	10758830	phospholipase B domain containing 2
Pofut1	NM_001002278	<b>0.78</b>	<b>-18</b>	10841011	protein O-fucosyltransferase 1
Pomt1	NM_053406	<b>0.76</b>	<b>-85</b>	10835530	protein-O-mannosyltransferase 1
Rpn2	NM_031698	<b>0.83</b>	<b>-215</b>	10841602	ribophorin II
RGD1560511	NM_001107355	<b>1.79</b>	<b>355</b>	10798666	similar to Vps41 protein
<b>Growth Factors</b>					
Creld2	NM_001037208	<b>0.80</b>	<b>-97</b>	10898456	cysteine-rich with EGF-like domains 2
Hdgfl1	NM_133549	<b>0.52</b>	<b>-133</b>	10795072	hepatoma derived growth factor-like 1
Igf1r	NM_052807	<b>0.82</b>	<b>-53</b>	10707889	insulin-like growth factor 1 receptor
Insl6	NM_022583	<b>0.58</b>	<b>-15</b>	10729596	insulin-like 6
Sep11	NM_001107208	<b>1.28</b>	<b>58</b>	10775769	septin 11
<b>Immune Response</b>					
F3	NM_013057	<b>1.86</b>	<b>101</b>	10818708	coagulation factor III (thromboplastin, tissue factor)
Hmcn1	XM_222716	<b>1.34</b>	<b>44</b>	10768426	hemicentin 1
Lair1	NM_001029928	<b>1.34</b>	<b>77</b>	10704133	leukocyte-associated immunoglobulin-like receptor 1
Lims1	NM_001145456	<b>1.24</b>	<b>84</b>	10833523	LIM and senescent cell antigen-like domains 1

Stag1	NM_001108179	1.46	129	10912525	stromal antigen 1
LOC687600	XR_006786	0.74	-31	10761917	similar to B-cell CLL/lymphoma 7A
LOC690041	XP_001073004	1.31	10	10940120	X-linked lymphocyte-regulated 3A
<b>Metabolism &amp; Transport</b>					
Acbd5	NM_001077635	1.37	168	10796785	acyl-Coenzyme A binding domain containing 5
Arsk	NM_001047917	1.44	41	10820073	arylsulfatase family, member K
Atox1	NM_053359	0.79	-16	10742813	ATX1 antioxidant protein 1 homolog (yeast)
Atp5e	NM_139099	0.76	-89	10773636	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
Atp5i	NM_080481	0.67	-40	10770996	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E
Atp5o	NM_138883	0.81	-42	10753198	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
Atp6v1g1	NM_001106660	0.76	-259	10869483	ATPase, H transporting, lysosomal V1 subunit G1
Atp8b3	XM_234937	0.60	-93	10893797	ATPase, Class I, type 8B, member 3
Cbr4	NM_182672	0.78	-26	10791401	carbonyl reductase 4
Cds1	NM_031242	0.61	-62	10775503	CDP-diacylglycerol synthase 1
Cp	NM_012532	1.93	109	10814430	ceruloplasmin
Cpt2	NM_012930	0.60	-94	10878564	carnitine palmitoyltransferase 2
Dis3	NM_001127483	1.51	135	10785565	DIS3 mitotic control homolog ( <i>S. cerevisiae</i> )
Dlat	NM_031025	0.74	-59	10793304	dihydrolipoamide S-acetyltransferase
Dnttip1	NM_134400	0.81	-33	10842172	deoxynucleotidyltransferase, terminal, interacting protein 1
Exoc3l	NM_001106178	1.31	132	10810570	exocyst complex component 3-like
Exosc5	NM_001107493	0.80	-74	10705202	exosome component 5
Faah	NM_024132	0.74	-16	10871182	fatty acid amide hydrolase
Gpat2	NM_001168529	0.71	-28	10839598	glycerol-3-phosphate acyltransferase 2, mitochondrial
Gpd2	NM_012736	1.38	20	10836277	glycerol-3-phosphate dehydrogenase 2, mitochondrial
Hadhb	NM_133618	0.81	-128	10889074	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit
Hagh	NM_033349	0.72	-71	10732228	hydroxyacyl glutathione hydrolase
Ldhal6b	NM_183334	0.72	-14	10717861	lactate dehydrogenase A-like 6B
Lhpp	NM_001009706	0.83	-30	10711715	phospholysine phosphohistidine inorganic pyrophosphate phosphatase
Mdh1b	XP_237203	1.58	305	10928522	malate dehydrogenase 1B, NAD (soluble)
Ndufa12	NM_001106781	0.72	-135	10894993	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12
Ndufb5	NM_001106426	0.81	-177	10814788	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5
Ndufb9	NM_001127294	0.74	-74	10903936	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9
Ndufs5	NM_001030052	0.66	-51	10879662	NADH dehydrogenase (ubiquinone) Fe-S protein 5
Ndufs6	NM_019223	0.71	-87	10793236	NADH dehydrogenase (ubiquinone) Fe-S protein 6
Nppc	NM_053750	1.39	16	10929606	natriuretic peptide precursor C
Nup205	NM_001108620	0.77	-53	10854494	nucleoporin 205
Oscp1	NM_001029923	0.59	-67	10871984	organic solute carrier partner 1
Pdhb	NM_001007620	0.83	-156	10779485	pyruvate dehydrogenase (lipoamide) beta
Pdia6	NM_001004442	0.79	-189	10892859	protein disulfide isomerase family A, member 6
Pggt1b	NM_031082	1.53	119	10804361	protein geranylgeranyltransferase type I, beta subunit
Pgp	NM_001169152	0.81	-99	10732076	phosphoglycolate phosphatase
Pigw	NM_194461	1.29	45	10745782	phosphatidylinositol glycan anchor biosynthesis, class W
Pla2g6	NM_001005560	0.80	-20	10905406	phospholipase A2, group VI (cytosolic, calcium-independent)
Plcl1	NM_053456	1.39	15	10923361	phospholipase C-like 1
Pnpla2	NM_001108509	0.82	-45	10712317	patatin-like phospholipase domain containing 2
Ppih	XM_345576	0.83	-55	10871582	peptidylprolyl isomerase H (cyclophilin H)
Ppwd1	NM_001106406	1.73	87	10821149	peptidylprolyl isomerase domain and WD repeat containing 1
RGD1306402	BC093611	1.21	43	10774577	pseudouridylate synthase 10
Qsox2	NM_001109434	0.74	-68	10843664	quiescin Q6 sulfhydryl oxidase 2
Slc25a36	XP_576451	1.33	428	10919433	solute carrier family 25, member 36
Slc25a40	NM_001037186	1.32	36	10853292	solute carrier family 25, member 40
Slc26a5	NM_030840	0.57	-21	10853091	solute carrier family 26, member 5 (prestin)
Slc38a7	NM_001003705	0.82	-17	10805802	solute carrier family 38, member 7
Thns1	NM_001025035	0.71	-19	10796696	threonine synthase-like 1 ( <i>S. cerevisiae</i> )
Tmed5	NM_001007619	1.45	21	10771004	transmembrane emp24 protein transport domain containing 5
Tomm7	NM_001135174	0.72	-264	10852964	translocase of outer mitochondrial membrane 7 homolog (yeast)
Trappc4	NM_001003708	0.71	-97	10916785	trafficking protein particle complex 4

Ugp2	NM_001024743	1.26	114	10778647	UDP-glucose pyrophosphorylase 2
Xpot	NM_001108102	0.77	-141	10902735	exportin, tRNA (nuclear export receptor for tRNAs)
LOC687295	XM_001065015	0.77	-60	10720161	similar to translocase of inner mitochondrial membrane 50 homolog
LOC685431	XR_086366	1.21	82	10937570	similar to Alpha-enolase (2-phospho-D-glycerate hydro-lyase) (Non-neural enolase) (NNE) (Enolase 1)
<b>Proteolysis</b>					
Adam10	Z48444	1.48	278	10918545	ADAM metallopeptidase domain 10
Dcun1d1	NM_001107668	1.43	184	10822792	DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae)
Prss47	XM_001056923	0.78	-11	10793409	protease, serine, 47
Mbtps2	BC097391	1.21	39	10933634	membrane-bound transcription factor peptidase, site 2
Pcolce	NM_019237	1.27	15	10760971	procollagen C-endopeptidase enhancer
Psmb4	NM_031629	0.78	-266	10824884	proteasome (prosome, macropain) subunit, beta type 4
Psmb6	NM_057099	0.77	-44	10735244	proteasome (prosome, macropain) subunit, beta type 6
Psmd12	NM_001005875	0.78	-117	10739225	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
Psmd6	NM_198730	0.80	-154	10779357	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6
Rbx1	NM_001034135	0.79	-122	10897912	ring-box 1
Rnf111	NM_001106836	1.25	56	10918519	ring finger protein 111
Rnf146	BC083675	0.83	-21	10702428	ring finger protein 146
Rnft1	XM_340875	1.24	68	10737380	ring finger protein, transmembrane 1
Uqcrcq	NM_001025134	0.76	-64	10742601	ubiquinol-cytochrome c reductase, complex III subunit VII
Usp33	BC092624	1.39	186	10819790	ubiquitin specific peptidase 33
Vps45	NM_172072	0.75	-118	10825120	vacuolar protein sorting 45 homolog (S. cerevisiae)
<b>Receptors &amp; Binding Proteins</b>					
Abce1	NM_001108446	1.27	101	10806960	ATP-binding cassette, sub-family E (OABP), member 1
Efcab10	NM_001108706	0.68	-17	10884200	EF-hand calcium binding domain 10
Il13ra1	NM_145789	1.54	19	10936365	interleukin 13 receptor, alpha 1
Ireb2	NM_022863	1.32	126	10910094	iron responsive element binding protein 2
M6prbp1	XM_001061015	1.27	25	10930984	mannose-6-phosphate receptor binding protein 1
Olr769	NM_001000371	1.26	13	10848113	olfactory receptor 769
Oprs1	NM_030996	0.77	-33	10876185	sigma non-opioid intracellular receptor 1
Plxdc2	NM_001108422	1.56	16	10796564	plexin domain containing 2
Rora	NM_001106834	1.37	40	10911250	RAR-related orphan receptor alpha
Sec61a2	NM_001170343	0.73	-357	10796280	Sec61 alpha 2 subunit (S. cerevisiae)
Stxbp6	XM_343057	1.38	15	10889772	syntaxin binding protein 6 (amisyn)
<b>Signaling</b>					
Ak7	NM_001108055	0.75	-19	10886652	adenylate kinase 7
Alcam	NM_031753	1.94	110	10750878	activated leukocyte cell adhesion molecule
Aurkc	NM_001106221	1.23	13	10718658	aurora kinase C
Calm3	NM_012518	0.73	-459	10719294	calmodulin 3
Cdc42ep3	NM_001048044	0.74	-50	10887939	CDC42 effector protein (Rho GTPase binding) 3
Clk1	NM_001106913	1.39	501	10928229	CDC-like kinase 1
Cyr61	NM_031327	1.53	204	10827231	cysteine-rich, angiogenic inducer, 61
Dennd2c	XM_001067655	1.30	25	10817959	DENN/MADD domain containing 2C
Drg1	NM_001009685	0.72	-270	10777918	developmentally regulated GTP binding protein 1
Dusp10	NM_001105734	1.57	11	10766463	dual specificity phosphatase 10
Efh2	NM_001031648	1.24	225	10881211	EF-hand domain family, member D2
Ei24	NM_001025660	0.77	-118	10916144	etoposide induced 2.4 mRNA
Elmod3	NM_001013087	0.75	-20	10863246	ELMO/CED-12 domain containing 3
ErbB4	NM_021687	1.41	92	10928636	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)
Fastkd2	NM_001009673	1.21	46	10923904	FAST kinase domains 2
Fgd4	NM_139263	1.36	32	10755875	FYVE, RhoGEF and PH domain containing 4
Fkbp15	XM_342846	1.25	32	10877380	FK506 binding protein 15
Gtpbp1	NM_001130496	0.83	-87	10897709	GTP binding protein 1
Hsp90aa1	NM_175761	1.56	2165	10892184	heat shock protein 90, alpha (cytosolic), class A member 1
Jak2	NM_031514	1.38	93	10714667	Janus kinase 2
Map2k4	NM_001030023	1.21	162	10743668	mitogen activated protein kinase kinase 4
Mapk7	AJ005424	0.82	-46	10743427	mitogen-activated protein kinase 7
Mapk8ip2	BC105884	0.62	-22	10898606	mitogen-activated protein kinase 8 interacting protein 2
Narg2	XM_001075498	1.48	49	10911270	NMDA receptor regulated 2

Nek1	NM_001106082	1.37	63	10791421	NIMA (never in mitosis gene a)-related expressed kinase 1
Pde1a	NM_030871	1.46	12	10846694	phosphodiesterase 1A, calmodulin-dependent
Pih1d2	XP_236221	1.50	30	10909886	PIH1 domain containing 2
Pik3ca	NM_133399	1.22	53	10814726	phosphoinositide-3-kinase, catalytic, alpha polypeptide
Pik3r3	NM_022213	0.82	-42	10871229	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
Pim1	NM_017034	1.31	121	10828884	pim-1 oncogene
Plekha8	NM_001109235	0.74	-60	10855650	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8
Pmaip1	NM_001008385	1.39	16	10802375	phorbol-12-myristate-13-acetate-induced protein 1
Ppp1r11	NM_212542	0.78	-21	10827701	protein phosphatase 1, regulatory (inhibitor) subunit 11
Prkaa2	NM_023991	1.21	28	10878416	protein kinase, AMP-activated, alpha 2 catalytic subunit
Prkdc	NM_001108327	1.46	73	10755897	protein kinase, DNA activated, catalytic polypeptide
Ptprg	NM_134356	1.26	18	10782609	protein tyrosine phosphatase, receptor type, G
Purg	XM_001068166	1.42	12	10792101	purine-rich element binding protein G
Radil	NM_001037218	0.68	-22	10756853	Ras association and DIL domains
Ranbp1	NM_001108324	0.83	-104	10751448	RAN binding protein 1
Rasl2-9	NM_001166675	0.80	-19	10703905	RAS-like, family 2, locus 9
Riok2	NM_001009687	1.45	166	10703403	RIO kinase 2 (yeast)
Rock2	NM_013022	1.73	128	10883726	Rho-associated coiled-coil containing protein kinase 2
Sipa1l1	NM_139330	0.66	-63	10885740	signal-induced proliferation-associated 1 like 1
Stk36	NM_001173986	0.82	-17	10924363	serine/threonine kinase 36 (fused homolog, Drosophila)
Tbc1d1	XM_341215	0.75	-68	10776915	TBC1 domain family, member 1
Tec	NM_053432	1.28	10	10772408	tec protein tyrosine kinase
RGD1560527	XM_001055752	0.73	-23	10797590	similar to serine/threonine kinase
RGD1565493	XM_002729803	1.40	53	10903286	similar to DKFZP434I092 protein
<b>Transcription</b>					
Armcx3	NM_001014273	1.30	213	10934967	armadillo repeat containing, X-linked 3
Atf2	NM_031018	1.26	270	10846233	activating transcription factor 2
Bin3	NM_001013186	0.78	-61	10781344	bridging integrator 3
Brms1	NM_001009605	0.80	-91	10712978	breast cancer metastasis-suppressor 1
C1d	NM_001106021	1.31	72	10774331	nuclear DNA binding protein
Casc5	NM_001170594	1.28	45	10838733	cancer susceptibility candidate 5
Ccdc42	NM_001107009	0.59	-33	10734761	coiled-coil domain containing 42
Ccdc56	NM_001109047	0.80	-32	10747617	coiled-coil domain containing 56
Ccdc59	NM_001108090	1.37	34	10895268	coiled-coil domain containing 59
Ccdc82	NM_001007660	1.44	42	10907992	coiled-coil domain containing 82
Cebpz	NM_001108701	1.48	228	10887901	CCAAT/enhancer binding protein zeta
Cnot3	NM_001107471	0.82	-40	10718520	CCR4-NOT transcription complex, subunit 3
Dhx15	XM_214053	1.26	271	10772967	DEAH (Asp-Glu-Ala-His) box polypeptide 15
Dnaja1	NM_022934	1.65	1058	10868289	DnaJ (Hsp40) homolog, subfamily A, member 1
E2f5	U31668	0.65	-47	10718609	E2F transcription factor 5
Elp2	NM_001034145	0.81	-147	10800522	elongation protein 2 homolog (S. cerevisiae)
Hif1a	NM_024359	1.53	324	10885251	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
Htatsf1	NM_001108259	1.69	99	10935589	HIV-1 Tat specific factor 1
Junb	NM_021836	1.23	161	10806585	jun B proto-oncogene
Klf4	NM_053713	1.48	123	10876838	Kruppel-like factor 4 (gut)
Klf5	NM_053394	1.48	17	10781829	Kruppel-like factor 5
Klhl9	NM_001107944	1.44	340	10877984	kelch-like 9 (Drosophila)
Luzp1	AF181259	1.57	33	10873012	leucine zipper protein 1
Mdm4	NM_001012026	1.20	182	10767663	Mdm4 p53 binding protein homolog (mouse)
Med11	NM_001105799	0.73	-12	10735217	mediator complex subunit 11
Med13	NM_001107035	1.27	168	10745897	mediator complex subunit 13
Mpp5	NM_001108034	1.45	109	10885500	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)
Mum1	NM_001108736	0.71	-50	10900554	melanoma associated antigen (mutated) 1
Nol10	NM_001014076	0.82	-26	10883763	nucleolar protein 10
Npat	NM_001108147	1.52	76	10910015	nuclear protein, ataxia-telangiectasia locus
Nsbp1	NM_001134706	1.46	255	10707658	nucleosomal binding protein 1
Plag1	NM_001008316	1.55	11	10875282	pleiomorphic adenoma gene 1
Pole3	NM_001007652	0.76	-99	10905186	polymerase (DNA directed), epsilon 3 (p17 subunit)

Polr2l-ps1	XM_577644	<b>0.74</b>	<b>-50</b>	10809086	polymerase (RNA) II (DNA directed) polypeptide L, pseudogene 1
Rfc3	NM_001009629	<b>0.83</b>	<b>-22</b>	10759752	replication factor C (activator 1) 3
Rogdi	NM_001024864	<b>0.83</b>	<b>-24</b>	10731686	rogdi homolog (Drosophila)
Sarnp	NM_001033070	<b>1.31</b>	<b>276</b>	10893247	SAP domain containing ribonucleoprotein
Taf1d	NM_001014207	<b>1.24</b>	<b>52</b>	10908089	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa
Tbp	NM_001004198	<b>0.80</b>	<b>-83</b>	10703364	TATA box binding protein
Tcea2	NM_057098	<b>0.67</b>	<b>-108</b>	10843072	transcription elongation factor A (SII), 2
Ybx2	NC_005109	<b>0.65</b>	<b>-169</b>	10735077	Y box binding protein 2
Zbtb10	NM_024489	<b>1.27</b>	<b>151</b>	10822330	zinc finger and BTB domain containing 10
Zfp157	XM_001057321	<b>1.74</b>	<b>70</b>	10760768	zinc finger protein 157
Zfp187	XM_577579	<b>1.65</b>	<b>109</b>	10795319	zinc finger protein 187
Zfp217	NM_001107813	<b>0.75</b>	<b>-51</b>	10852050	zinc finger protein 217
Zfp317	NM_001134634	<b>1.42</b>	<b>27</b>	10908182	zinc finger protein 317
Zfp322a	NM_001135084	<b>1.89</b>	<b>83</b>	10795258	zinc finger protein 322a
Zfp330	NM_001108443	<b>1.20</b>	<b>11</b>	10806886	zinc finger protein 330
Zfp347	AB047637	<b>1.51</b>	<b>15</b>	10893431	zinc finger protein 347
Zfx	NM_001109017	<b>1.73</b>	<b>139</b>	10938396	zinc finger protein X-linked
Zmat2	NM_001135582	<b>0.78</b>	<b>-118</b>	10801129	zinc finger, matrin type 2
Znhit1	XM_001076915	<b>0.68</b>	<b>-34</b>	10761037	zinc finger, HIT domain containing 1
Znhit2	NM_001107574	<b>0.63</b>	<b>-61</b>	10713184	zinc finger, HIT type 2
Crebzf	NM_001106279	<b>1.23</b>	<b>107</b>	10708616	CREB/ATF bZIP transcription factor
Tceanc	NM_001109015	<b>1.21</b>	<b>11</b>	10933362	transcription elongation factor A (SII) N-terminal and central domain containing
LOC100125368	NM_001139487	<b>1.42</b>	<b>54</b>	10900136	zinc finger protein LOC100125368
LOC685925	XM_002725924	<b>1.22</b>	<b>16</b>	10814162	zinc finger protein 455-like
RGD1564061	NM_001135782	<b>0.70</b>	<b>-72</b>	10873801	PRAME family member 8
RGD1308290	NM_001047902	<b>1.34</b>	<b>144</b>	10817202	zinc finger CCCH-type containing 11A
RGD1564807	XM_225049	<b>0.71</b>	<b>-11</b>	10793060	similar to zinc finger protein, subfamily 1A, 5
<b>Translation &amp; Protein Modification</b>					
Arl3	NM_022700	<b>0.68</b>	<b>-172</b>	10730591	ADP-ribosylation factor-like 3
Cct7	NM_001106603	<b>0.75</b>	<b>-176</b>	10856884	chaperonin containing Tcp1, subunit 7 (eta)
Cwc22	NM_001047959	<b>1.43</b>	<b>45</b>	10885608	CWC22 spliceosome-associated protein homolog (S. cerevisiae)
Dcp2	NM_001170469	<b>1.22</b>	<b>36</b>	10801494	DCP2 decapping enzyme homolog (S. cerevisiae)
Eef2k	NM_012947	<b>1.25</b>	<b>13</b>	10710494	eukaryotic elongation factor-2 kinase
Eif1ay	NM_001106963	<b>1.30</b>	<b>49</b>	10938019	eukaryotic translation initiation factor 1A, Y-linked
Eif2b2	NM_032058	<b>0.73</b>	<b>-43</b>	10886014	eukaryotic translation initiation factor 2B, subunit 2 beta
Eif2s2	NM_199380	<b>1.26</b>	<b>97</b>	10850970	eukaryotic translation initiation factor 2, subunit 2 beta
Eif5a	NM_001033681	<b>0.82</b>	<b>-663</b>	10744318	eukaryotic translation initiation factor 5A
Eif5a2	NM_001100697	<b>1.30</b>	<b>34</b>	10814644	eukaryotic translation initiation factor 5A2
Eif5b	NM_001110141	<b>1.56</b>	<b>147</b>	10703648	eukaryotic translation initiation factor 5B
Hnrnpa2b1	NM_001104613	<b>1.27</b>	<b>223</b>	10862522	heterogeneous nuclear ribonucleoprotein A2/B1
Lsm7	NM_001108732	<b>0.71</b>	<b>-27</b>	10893684	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)
Mrpl22	NM_001105781	<b>0.79</b>	<b>-16</b>	10733782	mitochondrial ribosomal protein L22
Mrpl41	NM_001013426	<b>0.78</b>	<b>-29</b>	10911993	mitochondrial ribosomal protein L41
Mrpl54	NM_001106770	<b>0.75</b>	<b>-130</b>	10893586	mitochondrial ribosomal protein L54
Mrps18c	NM_001105996	<b>0.67</b>	<b>-270</b>	10775532	mitochondrial ribosomal protein S18C
Phax	NM_173133	<b>0.79</b>	<b>-22</b>	10801810	phosphorylated adaptor for RNA export
Prpf8	BC099197	<b>0.82</b>	<b>-146</b>	10735897	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)
Rbm17	NM_001013058	<b>0.83</b>	<b>-184</b>	10796134	RNA binding motif protein 17
Rpl27	NM_022514	<b>0.82</b>	<b>-105</b>	10738409	ribosomal protein L27
Rps4x	NM_001007600	<b>1.22</b>	<b>362</b>	10938722	ribosomal protein S4, X-linked
Rps4y2	NM_001109612	<b>0.77</b>	<b>-73</b>	10859760	ribosomal protein S4, Y-linked 2
Rpsud2	NM_001135845	<b>0.77</b>	<b>-10</b>	10838729	RNA pseudouridylate synthase domain containing 2
Srrm2	XP_220207	<b>1.22</b>	<b>224</b>	10731980	serine/arginine repetitive matrix 2
Taf5l	NM_001107442	<b>0.81</b>	<b>-18</b>	10703465	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor
Thoc7	XM_001069423	<b>0.70</b>	<b>-55</b>	10779368	THO complex 7 homolog (Drosophila)
Trove2	NM_001107183	<b>1.20</b>	<b>24</b>	10768323	TROVE domain family, member 2
RGD1560949	XM_001078650	<b>0.73</b>	<b>-22</b>	10808338	similar to testis nuclear RNA-binding protein-like

LOC681258	ENSRNOT0000005	1.26	137	10899204	similar to La-related protein 4 (La ribonucleoprotein domain family member 4)
<b>Miscellaneous &amp; Unknown</b>					
Bxdc2	NM_001029915	1.39	90	10821914	brix domain containing 2
Dph3	NM_001134850	0.71	-77	10790305	DPH3, KTI11 homolog (S. cerevisiae)
Fam164a	BC168976	1.36	23	10822377	family with sequence similarity 164, member A
Fam169a	XM_226706	1.32	196	10812656	family with sequence similarity 169, member A
Hiatl1	NM_001107334	1.26	50	10793397	hippocampus abundant transcript-like 1
Ift122	BC087667	0.76	-80	10858038	intraflagellar transport 122 homolog (Chlamydomonas)
Ift57	NM_001107093	0.72	-85	10753784	intraflagellar transport 57 homolog (Chlamydomonas)
Lsmd1	NM_001105794	0.78	-47	10708152	LSM domain containing 1
Nipsnap3a	NM_001009422	1.33	13	10869094	nipsnap homolog 3B (C. elegans)
Otud1	XM_574086	0.80	-13	10796673	OTU domain containing 1
Tmem134	NM_001078647	0.80	-84	10712816	transmembrane protein 134
Tmem9	NM_001105953	0.78	-23	10764260	transmembrane protein 9
Trim52	NM_001106056	0.83	-50	10781956	tripartite motif-containing 52
Wdr31	NM_001011976	0.67	-91	10877418	WD repeat domain 31
Wdr35l	NM_001099340	0.77	-130	10883557	WD repeat domain 35-like
Wdr45	NM_001013958	1.27	28	10937064	WD repeat domain 45
Wdr51a	NM_001109296	0.80	-12	10912826	WD repeat domain 51A
Wdr53	NM_001109055	0.75	-11	10754862	WD repeat domain 53
Wdr66	XM_222180	0.59	-35	10761921	WD repeat domain 66
Dip2c	NM_001107360	0.81	-45	10799158	DIP2 disco-interacting protein 2 homolog C (Drosophila)
LOC362855	BC078924	0.80	-67	10895581	P55
Ptges3l1	BC087125	1.65	20	10938126	prostaglandin E synthase 3-like 1
Rsrc2	NM_001014128	1.51	143	10758354	arginine/serine-rich coiled-coil 2
Tmem107	NM_001109648	0.59	-66	10734866	transmembrane protein 107
Tmem181	BC168231	0.78	-41	10702880	transmembrane protein 181
LOC500034	NM_001109221	1.40	132	10861117	similar to CG3570-PA
LOC680262	XM_001056376	0.64	-45	10916073	hypothetical protein LOC680262
LOC686050	XM_001066348	1.27	42	10877141	hypothetical protein LOC686050
LOC686661	XM_001075174	1.32	13	10742868	similar to CG1998-PA
LOC688211	XM_001062937	1.24	70	10747891	hypothetical protein LOC685233
RGD1563106	NM_001107010	0.80	-128	10734830	similar to novel protein
RGD1563422	NM_001077643	0.73	-54	10765293	similar to Brain protein 44
RGD1305899	XM_001058977	0.60	-102	10852385	similar to Protein C20orf158
RGD1307051	NM_001108091	1.65	27	10902112	similar to hypothetical protein FLJ21963
RGD1309540	NM_001013918	0.77	-69	10847375	similar to hypothetical protein MGC40841; similar to hypothetical protein MGC4707
RGD1309995	XM_235003	1.22	67	10901367	similar to CG13957-PA
RGD1559496	NM_001106199	0.69	-164	10808874	similar to hypothetical protein
<b>EST's</b>					
LOC100302465	BC167765	0.71	-18	10726394	hypothetical LOC100302465
RGD1306936	NM_001106593	0.82	-47	10855462	similar to chromosome 7 open reading frame 30
RGD1307947	NM_001014083	1.39	21	10902039	similar to RIKEN cDNA C430008C19
RGD1564093	NM_001105946	0.82	-134	10809993	similar to RIKEN cDNA 2310036O22
RGD1564792	XM_580041	1.29	17	10853002	RGD1564792
RGD1565975	XM_001065138	0.75	-32	10806246	RGD1565975
	BC089062	1.64	31	10877751	
	BC090353	1.63	1134	10728028	
	ENSRNOT00000000	0.77	-14	10926153	
	ENSRNOT00000000	0.67	-11	10759597	
	ENSRNOT00000000	1.47	56	10935456	
	ENSRNOT00000001	0.64	-25	10849614	
	ENSRNOT00000002	1.38	57	10846151	
	ENSRNOT00000002	0.71	-16	10706637	
	ENSRNOT00000002	0.75	-58	10713084	
	ENSRNOT00000003	0.74	-24	10840394	
	ENSRNOT00000003	1.39	40	10937839	
	ENSRNOT00000003	1.33	265	10928916	

	ENSRNOT0000004	<b>1.20</b>	<b>16</b>	10804402	
	ENSRNOT0000004	<b>0.78</b>	<b>-24</b>	10924505	
	ENSRNOT0000004	<b>1.46</b>	<b>66</b>	10812903	
	ENSRNOT0000004	<b>1.58</b>	<b>41</b>	10731222	
	ENSRNOT0000005	<b>1.70</b>	<b>154</b>	10939958	
	ENSRNOT0000005	<b>1.35</b>	<b>23</b>	10935150	
	ENSRNOT0000005	<b>1.21</b>	<b>34</b>	10910766	
	ENSRNOT0000005	<b>0.55</b>	<b>-134</b>	10801135	
	ENSRNOT0000005	<b>1.25</b>	<b>15</b>	10829163	
	ENSRNOT0000005	<b>1.34</b>	<b>14</b>	10744141	
	ENSRNOT0000005	<b>1.22</b>	<b>18</b>	10834600	
	ENSRNOT0000005	<b>0.78</b>	<b>-19</b>	10702714	
	ENSRNOT0000005	<b>0.78</b>	<b>-19</b>	10915105	
	ENSRNOT0000005	<b>0.78</b>	<b>-45</b>	10842742	
	ENSRNOT0000005	<b>1.27</b>	<b>80</b>	10824548	
	ENSRNOT0000005	<b>0.72</b>	<b>-59</b>	10938887	
	ENSRNOT0000006	<b>1.57</b>	<b>97</b>	10775624	
	ENSRNOT0000006	<b>1.37</b>	<b>25</b>	10869549	
	ENSRNOT0000007	<b>1.30</b>	<b>40</b>	10834604	
	ENSRNOT0000007	<b>0.73</b>	<b>-15</b>	10934821	
	FQ222240	<b>1.58</b>	<b>85</b>	10714078	
	FQ222682	<b>0.77</b>	<b>-82</b>	10722718	
	FQ224515	<b>1.50</b>	<b>46</b>	10823593	
	GENSCAN0000001	<b>1.34</b>	<b>15</b>	10875696	
	GENSCAN0000003	<b>0.65</b>	<b>-49</b>	10807923	
	NC_001665	<b>0.82</b>	<b>-30</b>	10930608	
	NR_031856	<b>1.83</b>	<b>59</b>	10749975	
	---	<b>1.29</b>	<b>13</b>	10866408	
	---	<b>0.80</b>	<b>-11</b>	10872885	
	---	<b>0.80</b>	<b>-32</b>	10864838	
	---	<b>0.63</b>	<b>-15</b>	10921621	
	---	<b>0.77</b>	<b>-13</b>	10755627	
	---	<b>1.27</b>	<b>38</b>	10905770	
	---	<b>1.65</b>	<b>22</b>	10791419	
	---	<b>1.65</b>	<b>31</b>	10911847	