

Table S2. GSEA_RankOrder 2T3_326Genes.C3H10T1/2 vs. EOB

NAME	PROBE	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RES	CORE ENRICHMENT
row_0	93455_s_at	Bmp4	bone morphogenetic protein 4	20	4.303971291	0.007801869	Yes
row_1	92348_at	Thra	thyroid hormone receptor alpha	45	3.873209953	0.014329251	Yes
row_2	92219_s_at	Mid1	midline 1	61	3.741749048	0.021308338	Yes
row_3	160215_at	Aes	amino-terminal enhancer of split	72	3.664007425	0.028528042	Yes
row_4	97383_at	Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	91	3.528803349	0.034792982	Yes
row_5	96085_at	Gsta4	glutathione S-transferase, alpha 4	92	3.519930124	0.042518947	Yes
row_6	97474_r_at	Ptn	pleiotrophin	94	3.508665323	0.05013794	Yes
row_7	100908_at	Ptpra	protein tyrosine phosphatase, receptor type, A	97	3.500108004	0.0576559	Yes
row_8	160573_at	Hccs	holocytochrome c synthetase	102	3.474385262	0.0649529	Yes
row_9	92365_at	Figf	c-fos induced growth factor	106	3.463182688	0.072307564	Yes
row_10	162459_f_at	Col6a1	procollagen, type VI, alpha 1	118	3.436899424	0.07894653	Yes
row_11	93728_at	Tgfb1i4	transforming growth factor beta 1 induced transcript 4	132	3.389989853	0.08531804	Yes
row_12	103335_at	Lgals9	lectin, galactose binding, soluble 9	144	3.345540762	0.09175648	Yes
row_13	160138_at	Mxi1	Max interacting protein 1	158	3.292670488	0.097914375	Yes
row_14	99435_at	Fgf7	fibroblast growth factor 7	169	3.263346434	0.10425466	Yes
row_15	100927_at	Pltp	phospholipid transfer protein	173	3.257772684	0.11115846	Yes
row_16	92332_at	Dlx2	distal-less homeobox 2	182	3.233861923	0.11759853	Yes
row_17	93498_s_at	Aplp2	amyloid beta (A4) precursor-like protein 2	183	3.230700254	0.12468966	Yes
row_18	97114_at	Psap	prosaposin	188	3.220093489	0.13142851	Yes
row_19	96065_at	Lxn	latexin	190	3.218117952	0.13840978	Yes
row_20	102815_at	Anxa11	annexin A11	208	3.181572437	0.14399482	Yes
row_21	95493_at	Col6a1	procollagen, type VI, alpha 1	219	3.154605865	0.15009643	Yes
row_22	94966_at	G6pdx	glucose-6-phosphate dehydrogenase X-linked	301	2.985388994	0.14998685	Yes
row_23	101587_at	Ephx1	epoxide hydrolase 1, microsomal	314	2.969074011	0.15551671	Yes
row_24	102364_at	Jund1	Jun proto-oncogene related gene d1	333	2.930378914	0.16046816	Yes
row_25	97803_at	Mpp1	membrane protein, palmitoylated	340	2.922067404	0.16638836	Yes
row_26	98586_at	Nap111	nucleosome assembly protein 1-like 1	365	2.890511513	0.1707588	Yes
row_27	99009_at	Nnt	nicotinamide nucleotide transhydrogenase	388	2.869312763	0.1752472	Yes
row_28	160149_at	Rab10	RAB10, member RAS oncogene family	389	2.867886066	0.181542	Yes
row_29	98054_at	Ecm1	extracellular matrix protein 1	494	2.750884771	0.17902593	Yes
row_30	95129_at	Ncor2	nuclear receptor co-repressor 2	496	2.749615908	0.18497887	Yes
row_31	98006_at	Pola2	polymerase (DNA directed), alpha 2	530	2.718964815	0.18823253	Yes
row_32	160489_at	Tnfaip2	tumor necrosis factor, alpha-induced protein 2	563	2.692528486	0.1915104	Yes
row_33	103668_at	Supt6h	suppressor of Ty 6 homolog (S. cerevisiae)	613	2.65456295	0.19330668	Yes
row_34	93602_at	Rps6ka4	ribosomal protein S6 kinase, polypeptide 4	615	2.653903484	0.19904955	Yes
row_35	160849_at	Dlgh1	discs, large homolog 1 (Drosophila)	670	2.606130362	0.20032828	Yes
row_36	95104_at	Sdc2	syndecan 2	702	2.580425262	0.20344234	Yes
row_37	98460_at	Fto	fatso	704	2.578084946	0.20901878	Yes
row_38	94535_at	Add1	adducin 1 (alpha)	740	2.551860094	0.21174115	Yes
row_39	103637_at	Naga	N-acetyl galactosaminidase, alpha	749	2.54538703	0.21667007	Yes
row_40	100307_at	Nfix	Nuclear factor I/X	750	2.543685198	0.22225326	Yes
row_41	96799_at	Fbxw5	F-box and WD-40 domain protein 5	758	2.539877176	0.22725233	Yes
row_42	101930_at	Nfix	nuclear factor I/X	768	2.53306365	0.23207195	Yes
row_43	99077_at	Thra	thyroid hormone receptor alpha	779	2.524967432	0.23679155	Yes
row_44	102007_at	Hccs	holocytochrome c synthetase	791	2.514882803	0.24140677	Yes
row_45	101858_at	Rfng	radical fringe gene homolog (Drosophila)	800	2.508493662	0.24625471	Yes
row_46	92196_f_at	Sf3a2	splicing factor 3a, subunit 2	847	2.475912333	0.24790563	Yes
row_47	93758_at	Incenp	inner centromere protein	877	2.455476046	0.25090995	Yes
row_48	98559_at	Smtn	smoothelin	922	2.416543961	0.25259507	Yes
row_49	95506_at	Myo1c	myosin IC	1021	2.352064371	0.2496971	Yes
row_50	100948_at	Ank	progressive ankylosis	1023	2.351139307	0.25477543	Yes
row_51	100011_at	Klf3	Kruppel-like factor 3 (basic)	1033	2.347141504	0.25918695	Yes
row_52	97926_s_at	Pparg	peroxisome proliferator activated receptor gamma	1051	2.334211588	0.26291212	Yes
row_53	161667_r_at	ORF18	open reading frame 18	1070	2.322007895	0.26652822	Yes

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row_54	162347_f_at	Bgn	biglycan	1085	2.308446407	0.2704436	Yes
row_55	160867_at	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	1092	2.30483222	0.275009	Yes
row_56	102419_at	Rarg	retinoic acid receptor, gamma	1124	2.287576675	0.2774803	Yes
row_57	101995_at	Sqstm1	sequestosome 1	1157	2.26868844	0.27982786	Yes
row_58	95019_at	Gstt1	glutathione S-transferase, theta 1	1214	2.244240999	0.2801478	Yes
row_59	93043_at	Sdfr1	stromal cell derived factor receptor 1	1239	2.230594635	0.28306976	Yes
row_60	160407_at	Actr1a	ARP1 actin-related protein 1 homolog A (yeast)	1268	2.218513966	0.28563622	Yes
row_61	92731_at	Ptx3	pentaxin related gene	1276	2.216403484	0.28992528	Yes
row_62	104547_at	Dhfr	dihydrofolate reductase	1311	2.196774721	0.29195052	Yes
row_63	160153_at	Dnajc7	DnaJ (Hsp40) homolog, subfamily C, member 7	1345	2.182350159	0.29402635	Yes
row_64	97998_at	Drpla	dentatorubral pallidolusian atrophy	1353	2.178832054	0.29823297	Yes
row_65	104467_at	Cpd	Carboxypeptidase D	1372	2.170316935	0.30151612	Yes
row_66	104143_at	Copz2	coatamer protein complex, subunit zeta 2	1412	2.153949499	0.30303612	Yes
row_67	93328_at	Hdc	histidine decarboxylase	1496	2.118902206	0.30086017	Yes
row_68	94819_f_at	Ccni	cyclin I	1505	2.114939451	0.3048443	Yes
row_69	94412_at	Cdk2	cyclin-dependent kinase 2	1510	2.113584757	0.30915442	Yes
row_70	92575_at	Aip	aryl-hydrocarbon receptor-interacting protein	1528	2.106029987	0.31237873	Yes
row_71	161401_f_at	Aldh3a2	aldehyde dehydrogenase family 3, subfamily A2	1543	2.101254225	0.31583932	Yes
row_72	96049_at	Bgn	biglycan	1553	2.09889555	0.31970596	Yes
row_73	99584_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	1619	2.072775126	0.3189093	Yes
row_74	93503_at	Sfrp2	secreted frizzled-related sequence protein 2	1620	2.072720528	0.32345873	Yes
row_75	96797_s_at	Fbxw5	F-box and WD-40 domain protein 5	1653	2.061710119	0.325352	Yes
row_76	95713_at	Ciptm1	cleft lip and palate associated transmembrane protein 1	1672	2.056025743	0.32838434	Yes
row_77	92595_r_at	Fech	ferrochelatase	1675	2.053961277	0.33272812	Yes
row_78	102033_at	Tesk1	testis specific protein kinase 1	1711	2.036737204	0.33431983	Yes
row_79	101940_at	Smpd2	sphingomyelin phosphodiesterase 2, neutral	1734	2.029166937	0.33696416	Yes
row_80	99186_at	Ccna2	cyclin A2	1769	2.017253637	0.33859536	Yes
row_81	102332_at	Ulk1	Unc-51 like kinase 1 (C. elegans)	1791	2.005222082	0.34126943	Yes
row_82	93116_at	Prkacb	protein kinase, cAMP dependent, catalytic, beta	1808	2.000270128	0.34434384	Yes
row_83	101448_at	Hgs	HGF-regulated tyrosine kinase substrate	1867	1.980166912	0.34391963	Yes
row_84	161463_f_at	Nsg1	neuron specific gene family member 1	1893	1.970209718	0.34618783	Yes
row_85	160437_at	Txnrd2	thioredoxin reductase 2	2012	1.929746747	0.34071794	Yes
row_86	94390_at	Akap8	A kinase (PRKA) anchor protein 8	2050	1.91660285	0.34188145	Yes
row_87	104489_at	Sntb2	syntrophin, basic 2	2075	1.908133388	0.34409565	Yes
row_88	94303_at	Hnrpd	heterogeneous nuclear ribonucleoprotein D	2103	1.899678707	0.34604454	Yes
row_89	103854_at	Arl2	ADP-ribosylation factor-like 2	2180	1.876497865	0.34391227	Yes
row_90	92394_f_at	Crebl1	cAMP responsive element binding protein-like 1	2182	1.875489235	0.34794658	Yes
row_91	92630_r_at	Hdgf	hepatoma-derived growth factor	2306	1.838783503	0.34186578	Yes
row_92	100560_at	Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit	2355	1.826500535	0.34192678	Yes
row_93	96703_at	Maged1	melanoma antigen, family D, 1	2383	1.816518664	0.34369314	Yes
row_94	93595_at	Cln2	ceroid-lipofuscinosis, neuronal 2	2397	1.812908411	0.34660307	Yes
row_95	160543_at	Snx3	sorting nexin 3	2444	1.799740434	0.34676984	Yes
row_96	101055_at	Ppgb	protective protein for beta-galactosidase	2458	1.796259403	0.34964323	Yes
row_97	160117_at	Tef	thyrotroph embryonic factor	2475	1.790408969	0.352257	Yes
row_98	100630_f_at	Gstm5	glutathione S-transferase, mu 5	2490	1.787631989	0.35502923	Yes
row_99	98094_f_at	Amfr	autocrine motility factor receptor	2541	1.775918603	0.3548147	Yes
row_100	160558_at	Akt2	thymoma viral proto-oncogene 2	2555	1.769249439	0.35762882	Yes
row_101	96243_f_at	Aldh9a1	aldehyde dehydrogenase 9, subfamily A1	2581	1.762077928	0.35944018	Yes
row_102	92629_f_at	Hdgf	hepatoma-derived growth factor	2600	1.755491138	0.36181283	Yes
row_103	97813_at	Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	2615	1.752682924	0.36450833	Yes
row_104	94408_at	Nab1	Ngfi-A binding protein 1	2696	1.730533004	0.3617267	Yes
row_105	93460_at	Acvr1	activin A receptor, type 1	2706	1.727186084	0.36477748	Yes
row_106	98122_at	Lmo4	LIM domain only 4	2709	1.725880027	0.36840114	Yes
row_107	97848_at	RbmX	RNA binding motif protein, X chromosome	2728	1.721278906	0.37069872	Yes
row_108	96125_at	Daxx	Fas death domain-associated protein	2834	1.689716935	0.3657712	Yes
row_109	98102_at	Pdha1	pyruvate dehydrogenase E1 alpha 1	2857	1.683546662	0.36765695	Yes
row_110	98848_at	Sh3d4	SH3 domain protein 4	2937	1.661667109	0.3648064	Yes

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row_111	100101_at	Snrpa	small nuclear ribonucleoprotein polypeptide A	2963	1.655138373	0.36638305	Yes
row_112	92395_r_at	Crebl1	cAMP responsive element binding protein-like 1	2983	1.651022553	0.36844414	Yes
row_113	96255_at	Bnip3l	BCL2/adenovirus E1B 19kDa-interacting protein 3-like	2984	1.650866747	0.37206766	Yes
row_114	92308_at	Ptprm	protein tyrosine phosphatase, receptor type, M	3115	1.613907456	0.36491752	Yes
row_115	96110_at	Cbr1	carbonyl reductase 1	3204	1.593200922	0.36117643	Yes
row_116	100016_at	Mmp11	matrix metalloproteinase 11	3231	1.582738519	0.36251193	Yes
row_117	103559_at	Prkaca	protein kinase, cAMP dependent, catalytic, alpha	3284	1.566995859	0.36167434	Yes
row_118	101834_at	Mapk3	mitogen activated protein kinase 3	3300	1.564628363	0.36387482	Yes
row_119	102242_at	Per3	period homolog 3 (Drosophila)	3329	1.555951834	0.364987	Yes
row_120	98928_at	Coro1b	coronin, actin binding protein 1B	3352	1.551341057	0.36658254	Yes
row_121	92874_f_at	Cops7a	COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana)	3355	1.551219702	0.36982286	Yes
row_122	99964_at	Vdr	vitamin D receptor	3381	1.545708776	0.37115932	Yes
row_123	162215_f_at	Sdc2	syndecan 2	3418	1.538730502	0.37157568	Yes
row_124	99960_at	Map2k4	mitogen activated protein kinase kinase 4	3434	1.534821272	0.37371075	Yes
row_125	92448_s_at	Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	3503	1.521322489	0.3714569	No
row_126	93737_at	Eif2ak1	eukaryotic translation initiation factor 2 alpha kinase 1	3553	1.508679032	0.37073806	No
row_127	100984_at	Atf1	activating transcription factor 1	3657	1.48870194	0.36553386	No
row_128	104275_g_at	Trp53	transformation related protein 53	3702	1.476169348	0.36515492	No
row_129	94066_at	Rnf14	ring finger protein 14	3707	1.475018382	0.36806348	No
row_130	104476_at	Rb1	retinoblastoma-like 1 (p107)	3734	1.470184207	0.3691519	No
row_131	100632_at	Prkag1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	3794	1.454828382	0.36749235	No
row_132	100893_at	Sptlc2	serine palmitoyltransferase, long chain base subunit 2	3931	1.423240304	0.3594302	No
row_133	98441_at	Fmr1	fragile X mental retardation syndrome 1 homolog	3944	1.421723723	0.36156377	No
row_134	94405_at	Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	4030	1.404564261	0.3576554	No
row_135	101099_at	Nsg1	neuron specific gene family member 1	4087	1.39454174	0.35611027	No
row_136	98503_at	Evi5	ecotropic viral integration site 5	4096	1.391858339	0.3585073	No
row_137	101208_at	Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	4215	1.367222667	0.3518027	No
row_138	94258_at	Arhgdib	Rho, GDP dissociation inhibitor (GDI) beta	4269	1.355787039	0.35041928	No
row_139	101540_at	Tdg	thymine DNA glycosylase	4326	1.343063116	0.34876117	No
row_140	95477_at	ORF18	open reading frame 18	4450	1.318249822	0.34153783	No
row_141	98424_at	Ptpn13	protein tyrosine phosphatase, non-receptor type 13	4451	1.318171263	0.3444311	No
row_142	95379_at	Mab21l2	mab-21-like 2 (C. elegans)	4454	1.31747365	0.34715837	No
row_143	92197_r_at	Sf3a2	splicing factor 3a, subunit 2	4467	1.3155303	0.34905884	No
row_144	93806_at	Sh3bgrl	SH3-binding domain glutamic acid-rich protein like	4485	1.311376572	0.35053897	No
row_145	93006_at	Nfic	nuclear factor I/C	4545	1.299638033	0.3485388	No
row_146	94294_at	Ccnb2	cyclin B2	4560	1.297174573	0.35023448	No
row_147	103833_at	Hipk2	homeodomain interacting protein kinase 2	4606	1.289317012	0.34936315	No
row_148	92355_at	Zfpn2	zinc finger protein, multitype 2	4779	1.260450959	0.33798268	No
row_149	104154_at	Trp53	transformation related protein 53	5125	1.189399123	0.31221694	No
row_150	161596_f_at	Akap8	A kinase (PRKA) anchor protein 8	5150	1.184800625	0.31284377	No
row_151	104526_at	Tcf7	transcription factor EB	5182	1.178878784	0.31288126	No
row_152	92495_at	Cnot4	CCR4-NOT transcription complex, subunit 4	5221	1.171151042	0.31232634	No
row_153	97549_at	Cfl2	cofilin 2, muscle	5241	1.168267131	0.31332782	No
row_154	98839_at	Six2	sine oculis-related homeobox 2 homolog (Drosophila)	5333	1.149011016	0.30836505	No
row_155	104300_at	Iqgap1	IQ motif containing GTPase activating protein 1	5337	1.14869082	0.31063956	No
row_156	104468_at	Incenp	inner centromere protein	5342	1.14795053	0.31283024	No
row_157	161989_f_at	Crat	carnitine acetyltransferase	5375	1.140098095	0.31270066	No
row_158	99884_at	Ids	iduronate 2-sulfatase	5464	1.123103976	0.30792773	No
row_159	103043_at	Mtcb1	mature T-cell proliferation 1	5578	1.102492809	0.30105332	No
row_160	100136_at	Lamp2	lysosomal membrane glycoprotein 2	5684	1.084423661	0.29479727	No
row_161	104719_at	Slc12a7	solute carrier family 12, member 7	5700	1.082009912	0.29593843	No
row_162	95599_at	Siat4c	sialyltransferase 4C (beta-galactoside alpha-2,3-sialyltransferase)	5710	1.080310941	0.2975694	No
row_163	101933_at	Rab10	RAB10, member RAS oncogene family	5779	1.068514466	0.29432166	No
row_164	161523_r_at	Calm2	calmodulin 2	5813	1.065117955	0.29394525	No
row_165	102049_at	Pdk4	pyruvate dehydrogenase kinase, isoenzyme 4	5859	1.057344913	0.29256478	No
row_166	160540_at	Bag1	Bcl2-associated athanogene 1	5864	1.055971265	0.29455355	No
row_167	94187_at	Gsc	goosecoid	5909	1.046207547	0.29323086	No

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row_168	162110_f_at	Vps45	vacuolar protein sorting 45 (yeast)	5930	1.043136835	0.29387546	No
row_169	93083_at	Anxa5	annexin A5	5931	1.042978883	0.29616472	No
row_170	103646_at	Crat	carnitine acetyltransferase	5982	1.034251571	0.2943223	No
row_171	93293_at	Calm2	calmodulin 2	6009	1.030854702	0.29444644	No
row_172	104636_at	Gstm6	glutathione S-transferase, mu 6	6033	1.025417686	0.29480538	No
row_173	103044_g_at	Mtcp1	mature T-cell proliferation 1	6072	1.017971992	0.29391423	No
row_174	103249_at	Chrd	chordin	6153	1.004034877	0.289538	No
row_175	103242_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	6239	0.988565385	0.28471652	No
row_176	162088_r_at	Cfl2	cofilin 2, muscle	6295	0.975974262	0.28233495	No
row_177	98587_at	Nap11	nucleosome assembly protein 1-like 1	6363	0.96530956	0.27894294	No
row_178	100584_at	Anxa4	annexin A4	6366	0.964822471	0.28089616	No
row_179	98731_at	Rab5b	RAB5B, member RAS oncogene family	6378	0.961663902	0.28210217	No
row_180	101466_at	Pigf	phosphatidylinositol glycan, class F	6384	0.960717738	0.28379962	No
row_181	99557_at	Nelf	nasal embryonic LHRH factor	6388	0.960368574	0.2856608	No
row_182	161722_f_at	Gstm5	glutathione S-transferase, mu 5	6471	0.94624871	0.28099322	No
row_183	93700_at	Arf3	ADP-ribosylation factor 3	6479	0.944957852	0.28249156	No
row_184	98107_at	Coro1c	coronin, actin binding protein 1C	6538	0.935426772	0.27977425	No
row_185	102342_at	Nsf	N-ethylmaleimide sensitive fusion protein	6541	0.934869826	0.28166172	No
row_186	95001_at	Akap8	A kinase (PRKA) anchor protein 8	6571	0.930135965	0.281318	No
row_187	93369_at	Omd	osteomodulin	6591	0.927030802	0.28179002	No
row_188	96795_at	Faah	fatty acid amide hydrolase	6618	0.922315478	0.28167593	No
row_189	97185_at	Arnt	aryl hydrocarbon receptor nuclear translocator	6711	0.906319201	0.2760982	No
row_190	162321_f_at	Barx1	BarH-like homeobox 1	7018	0.85110414	0.2527977	No
row_191	92875_s_at	Cops7a	COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana)	7019	0.850953162	0.25466546	No
row_192	161285_r_at	Itn1	integral membrane protein 1	7056	0.844405353	0.25355783	No
row_193	92558_at	Vcam1	vascular cell adhesion molecule 1	7057	0.844322145	0.25541106	No
row_194	100488_at	Gba	glucosidase, beta, acid	7135	0.831872225	0.2509037	No
row_195	94121_at	Spr2h	small proline-rich protein 2H	7185	0.821963191	0.24867755	No
row_196	103045_at	Mtcp1	Mature T-cell proliferation 1	7191	0.820409119	0.25006703	No
row_197	162224_r_at	Aplp2	amyloid beta (A4) precursor-like protein 2	7318	0.80088228	0.24146137	No
row_198	160116_at	Timp2	tissue inhibitor of metalloproteinase 2	7323	0.800331175	0.24288903	No
row_199	96256_at	Prdx3	peroxiredoxin 3	7434	0.785178125	0.23556489	No
row_200	104364_at	Mapkapk5	MAP kinase-activated protein kinase 5	7439	0.784808934	0.23695849	No
row_201	94353_at	Eif4ebp2	eukaryotic translation initiation factor 4E binding protein 2	7520	0.772550404	0.23207414	No
row_202	162308_f_at	Cryab	crystallin, alpha B	7587	0.759790838	0.2283133	No
row_203	162083_f_at	Ntan1	N-terminal Asn amidase	7644	0.750176251	0.22535385	No
row_204	161089_r_at	Akap8	A kinase (PRKA) anchor protein 8	7666	0.747828066	0.22526802	No
row_205	101590_at	Lamp2	lysosomal membrane glycoprotein 2	7684	0.745086908	0.22550517	No
row_206	103236_at	Ring1	ring finger protein 1	7841	0.719189644	0.21425268	No
row_207	102415_r_at	Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	7869	0.715664327	0.21360274	No
row_208	94820_r_at	Ccni	cyclin I	7875	0.713792026	0.2147582	No
row_209	100629_at	Gstm5	glutathione S-transferase, mu 5	7894	0.710789502	0.21483783	No
row_210	99585_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	7910	0.708353698	0.21515885	No
row_211	160401_r_at	Cnot7	CCR4-NOT transcription complex, subunit 7	7929	0.703956723	0.21522348	No
row_212	160655_at	Cpd	carboxypeptidase D	7971	0.69789362	0.21338303	No
row_213	97490_at	Bcl7b	B-cell CLL/lymphoma 7B	7976	0.697247207	0.21458444	No
row_214	160841_at	Dbp	D site albumin promoter binding protein	8023	0.689444304	0.21231419	No
row_215	98860_at	Sts	steroid sulfatase	8035	0.686274529	0.21291575	No
row_216	97238_at	Tacc3	transforming, acidic coiled-coil containing protein 3	8171	0.664008319	0.2032694	No
row_217	97847_at	Rbmx	RNA binding motif protein, X chromosome	8200	0.65831995	0.20241135	No
row_218	92514_at	Barx1	BarH-like homeobox 1	8302	0.642614901	0.19551456	No
row_219	160082_s_at	Arf4	ADP-ribosylation factor 4	8342	0.635905266	0.19370255	No
row_220	98922_at	Itn1	integral membrane protein 1	8366	0.630761921	0.19319527	No
row_221	93216_at	Fgf2	fibroblast growth factor 2	8558	0.593771815	0.17878872	No
row_222	92309_i_at	Plprm	protein tyrosine phosphatase, receptor type, M	8577	0.589938045	0.17860308	No
row_223	101920_at	Pole2	polymerase (DNA directed), epsilon 2 (p59 subunit)	8621	0.582124293	0.17634404	No
row_224	93616_g_at	Pbx3	pre B-cell leukemia transcription factor 3	8631	0.58083874	0.17687868	No

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row_225	99965_at	Vdr	vitamin D receptor	8641	0.57964009	0.17741069	No
row_226	94404_at	Vps45	vacuolar protein sorting 45 (yeast)	8649	0.578140795	0.17810391	No
row_227	98775_at	Stk3	serine/threonine kinase 3 (Ste20, yeast homolog)	8698	0.568068564	0.17540276	No
row_228	95935_at	Slc26a2	solute carrier family 26 (sulfate transporter), member 2	8700	0.567815423	0.17656682	No
row_229	98433_at	Bid	BH3 interacting domain death agonist	8744	0.557891607	0.17425458	No
row_230	162314_at	Cnot7	CCR4-NOT transcription complex, subunit 7	8790	0.54905647	0.17175844	No
row_231	101482_at	Ppp1cc	protein phosphatase 1, catalytic subunit, gamma isoform	8812	0.544590831	0.17122653	No
row_232	101961_at	Bub3	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	8815	0.543627262	0.17225525	No
row_233	161088_r_at	Akap8	A kinase (PRKA) anchor protein 8	8858	0.536290824	0.16997784	No
row_234	93574_at	Serpinf1	serine (or cysteine) proteinase inhibitor, clade F, member 1	8896	0.5298841	0.16809763	No
row_235	161074_at	Pcyt1a	phosphate cytidylyltransferase 1, choline, alpha isoform	8899	0.529067457	0.1690944	No
row_236	94915_at	Ppib	peptidylprolyl isomerase B	8984	0.515726924	0.16331734	No
row_237	100941_at	Miz1	Msx-interacting-zinc finger	9042	0.504445076	0.15973629	No
row_238	93852_at	Mef2a	myocyte enhancer factor 2A	9055	0.502640724	0.15985253	No
row_239	161337_f_at	Wars	tryptophanyl-tRNA synthetase	9178	0.480222493	0.15087205	No
row_240	162429_r_at	Serpinf1	serine (or cysteine) proteinase inhibitor, clade F, member 1	9185	0.478248	0.15142825	No
row_241	100384_at	Hsf4	heat shock transcription factor 4	9219	0.47084254	0.14974746	No
row_242	100962_at	Nab2	Ngfi-A binding protein 2	9304	0.456557631	0.14384054	No
row_243	160550_i_at	Magoh	mago-nashi homolog, proliferation-associated (Drosophila)	9386	0.441670388	0.13814768	No
row_244	162298_r_at	Tjp1	tight junction protein 1	9461	0.428497046	0.13300167	No
row_245	161861_i_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	9474	0.425568134	0.13294876	No
row_246	162236_f_at	Nelf	nasal embryonic LHRH factor	9537	0.414526135	0.12875909	No
row_247	161515_i_at	Timp2	tissue inhibitor of metalloproteinase 2	9541	0.413515866	0.12941997	No
row_248	93958_at	Rnf14	ring finger protein 14	9582	0.405780286	0.12702061	No
row_249	161391_r_at	Pycs	pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)	9603	0.401731372	0.12625737	No
row_250	95738_at	Pycs	pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)	9617	0.398295879	0.12606235	No
row_251	95803_at	Ptpns1	protein tyrosine phosphatase, non-receptor type substrate 1	9752	0.367237061	0.11584686	No
row_252	161811_f_at	Ptpra	protein tyrosine phosphatase, receptor type, A	9761	0.363785475	0.11598733	No
row_253	101589_at	Hmgn2	high mobility group nucleosomal binding domain 2	9765	0.362784415	0.11653686	No
row_254	100462_at	Arf6	ADP-ribosylation factor 6	9838	0.344754666	0.11137155	No
row_255	100561_at	Iqgap1	IQ motif containing GTPase activating protein 1	9886	0.335784405	0.1082428	No
row_256	99882_at	Ids	iduronate 2-sulfatase	9913	0.329196036	0.10682685	No
row_257	92555_at	Tm4sf6	transmembrane 4 superfamily member 6	10037	0.301862657	0.09737262	No
row_258	93573_at	Mt1	metallothionein 1	10067	0.295102477	0.09563509	No
row_259	94706_s_at	Eya1	eyes absent 1 homolog (Drosophila)	10078	0.292784512	0.09545522	No
row_260	100568_at	Abce1	ATP-binding cassette, sub-family E (OABP), member 1	10096	0.289141387	0.094691604	No
row_261	102024_at	Ncoa3	nuclear receptor coactivator 3	10124	0.282454044	0.09309081	No
row_262	101228_at	Bub3	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	10133	0.281525195	0.09305073	No
row_263	95467_at	Scoc	short coiled-coil protein	10140	0.278524965	0.09316857	No
row_264	160941_at	Pde8a	phosphodiesterase 8A	10172	0.270717323	0.09121301	No
row_265	100010_at	Klf3	Kruppel-like factor 3 (basic)	10229	0.255011052	0.08716672	No
row_266	93850_at	Iqgap1	IQ motif containing GTPase activating protein 1	10260	0.245621294	0.08523833	No
row_267	98305_at	Foxm1	forkhead box M1	10265	0.243984938	0.08544485	No
row_268	96666_at	Ntan1	N-terminal Asn amidase	10309	0.234063342	0.08242184	No
row_269	92209_at	Ulk1	Unc-51 like kinase 1 (C. elegans)	10384	0.214911401	0.07680703	No
row_270	161593_r_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	10397	0.211255684	0.07628371	No
row_271	101080_at	Col5a1	procollagen, type V, alpha 1	10454	0.19072485	0.07209632	No
row_272	104557_at	Pitpnb	phosphatidylinositol transfer protein, beta	10457	0.189956814	0.07234876	No
row_273	99935_at	Tjp1	tight junction protein 1	10623	0.144708529	0.05909507	No
row_274	98155_r_at	Pold2	polymerase (DNA directed), delta 2, regulatory subunit	10625	0.143615305	0.059328042	No
row_275	97714_r_at	Actr1a	ARP1 actin-related protein 1 homolog A (yeast)	10683	0.125856712	0.054916017	No
row_276	92560_g_at	Vcam1	vascular cell adhesion molecule 1	10792	0.086446121	0.04622272	No
row_277	96729_at	Eif4ebp2	eukaryotic translation initiation factor 4E binding protein 2	10931	0.031528644	0.03494137	No
row_278	100080_at	Psp	parotid secretory protein	10932	0.031441711	0.035010383	No
row_279	98436_s_at	Casp3	caspase 3, apoptosis related cysteine protease	11031	-0.01668238	0.026986431	No
row_280	92449_at	Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	11042	-0.021700749	0.02621156	No
row_281	92314_at	Col12a1	procollagen, type XII, alpha 1	11064	-0.031057985	0.024552472	No

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row_282	160832_at	Ldlr	Low density lipoprotein receptor	11107	-0.051664606	0.021211356	No
row_283	102371_at	Nr4a1	nuclear receptor subfamily 4, group A, member 1	11165	-0.089782827	0.016720152	No
row_284	160912_i_at	Miz1	Msx-interacting-zinc finger	11207	-0.109685451	0.013588636	No
row_285	94058_r_at	Scd1	stearoyl-Coenzyme A desaturase 1	11221	-0.118357532	0.012779167	No
row_286	102697_at	Pitpnb	phosphatidylinositol transfer protein, beta	11328	-0.183742464	0.004463928	No
row_287	96580_at	Pbx3	pre B-cell leukemia transcription factor 3	11335	-0.187543347	0.004382068	No
row_288	93968_at	Pdcd5	programmed cell death 5	11356	-0.199288487	0.003174483	No
row_289	102414_i_at	Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	11385	-0.216715962	0.001347147	No
row_290	96587_at	Arf3	ADP-ribosylation factor 3	11393	-0.221064493	0.001256614	No
row_291	100416_at	Melk	maternal embryonic leucine zipper kinase	11428	-0.242871404	-0.001006815	No
row_292	98980_at	Cd37	CD37 antigen	11448	-0.253737479	-0.002012639	No
row_293	160656_i_at	Fem1b	feminization 1 homolog b (C. elegans)	11464	-0.263979942	-0.002666979	No
row_294	99883_g_at	Ids	iduronate 2-sulfatase	11471	-0.268580735	-0.002570968	No
row_295	94896_at	Hnrpab	heterogeneous nuclear ribonucleoprotein A/B	11481	-0.276907414	-0.002703431	No
row_296	92650_at	Man1b	mannosidase 1, beta	11486	-0.278497994	-0.002421152	No
row_297	161875_at	Fmr1	fragile X mental retardation syndrome 1 homolog	11488	-0.279618621	-0.001889661	No
row_298	104746_at	Fkbp7	FK506 binding protein 7	11499	-0.287280202	-0.002081608	No
row_299	98407_at	Efnb1	ephrin B1	11604	-0.376360297	-0.009809565	No
row_300	95804_g_at	Ptpns1	protein tyrosine phosphatase, non-receptor type substrate 1	11630	-0.402252644	-0.010982911	No
row_301	160101_at	Hmox1	heme oxygenase (decycling) 1	11641	-0.407514364	-0.010910953	No
row_302	101564_at	Cnot7	CCR4-NOT transcription complex, subunit 7	11650	-0.418186873	-0.01065107	No
row_303	93718_at	Rab23	RAB23, member RAS oncogene family	11661	-0.431589872	-0.010526267	No
row_304	161527_r_at	Ccni	cyclin I	11676	-0.445023179	-0.010700982	No
row_305	161739_r_at	Pola2	polymerase (DNA directed), alpha 2	11679	-0.447392106	-0.009883492	No
row_306	98306_g_at	Foxm1	forkhead box M1	11786	-0.571403086	-0.017347846	No
row_307	93507_at	Timp2	tissue inhibitor of metalloproteinase 2	11801	-0.588199675	-0.0172083	No
row_308	92288_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	11832	-0.627072394	-0.018299436	No
row_309	97796_at	Crsp2	cofactor required for Sp1 transcriptional activation, subunit 2	11860	-0.660493374	-0.019070467	No
row_310	94133_r_at	Mef2a	myocyte enhancer factor 2A	11932	-0.749179661	-0.023265852	No
row_311	94282_at	Asah1	N-acylsphingosine amidohydrolase 1	11946	-0.76927042	-0.022646619	No
row_312	97560_at	Psap	prosaposin	11947	-0.76997149	-0.020956593	No
row_313	99035_at	Pcyt1a	phosphate cytidyltransferase 1, choline, alpha isoform	11948	-0.772332609	-0.019261384	No
row_314	92529_s_at	Arnt	aryl hydrocarbon receptor nuclear translocator	12008	-0.8606866	-0.022225017	No
row_315	94057_g_at	Scd1	stearoyl-Coenzyme A desaturase 1	12011	-0.866991997	-0.02048654	No
row_316	94056_at	Scd1	stearoyl-Coenzyme A desaturase 1	12031	-0.907068968	-0.02005835	No
row_317	160670_at	Tnfrsf19	tumor necrosis factor receptor superfamily, member 19	12032	-0.907716036	-0.018065985	No
row_318	98606_s_at	Wars	tryptophanyl-tRNA synthetase	12053	-0.948194087	-0.017629782	No
row_319	94705_at	Eya1	eyes absent 1 homolog (Drosophila)	12057	-0.955415487	-0.015779471	No
row_320	93868_at	Nsdhl	NAD(P) dependent steroid dehydrogenase-like	12145	-1.177483916	-0.02035077	No
row_321	92478_at	Stag1	stromal antigen 1	12178	-1.305779934	-0.020116698	No
row_322	95337_at	Uty	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome	12194	-1.367859244	-0.01834811	No
row_323	98631_g_at	Nsdhl	NAD(P) dependent steroid dehydrogenase-like	12198	-1.37171793	-0.015584049	No
row_324	102696_s_at	Pitpnb	phosphatidylinositol transfer protein, beta	12213	-1.42990005	-0.013597037	No
row_325	93691_s_at	Grb10	growth factor receptor bound protein 10	12333	-2.336408615	-0.0182566	No
row_326	93534_at	Dcn	decorin	12374	-2.900986195	-0.015179178	No
row_327	97519_at	Spp1	secreted phosphoprotein 1	12377	-2.959357023	-0.008848123	No
row_328	103904_at	Igfbp6	insulin-like growth factor binding protein 6	12388	-3.27896452	-0.002473559	No
row_329	98108_at	Crabp1	cellular retinoic acid binding protein I	12419	-4.799330711	0.005593082	No