

Table S3. GSEA_RankOrder 2T3_326Genes. DC vs. EOB

NAME	PROBE	GENE SYMBOL	GENE_TITLE	RANK IN GENE LIST	RANK METRIC SCORE	RES	CORE ENRICHMENT
row_0	93328_at	Hdc	histidine decarboxylase	73	1.153152227	-0.003844446	No
row_1	92219_s_at	Mid1	midline 1	135	0.902321339	-0.007171689	No
row_2	102815_at	Anxa11	annexin A11	161	0.839963317	-0.007654714	No
row_3	103833_at	Hipk2	homeodomain interacting protein kinase 2	212	0.752928615	-0.010357013	No
row_4	98054_at	Ecm1	extracellular matrix protein 1	276	0.660742402	-0.014301228	No
row_5	94258_at	Arhgdib	Rho, GDP dissociation inhibitor (GDI) beta	395	0.531419337	-0.023011435	No
row_6	97926_s_at	Pparg	peroxisome proliferator activated receptor gamma	414	0.513289094	-0.023530561	No
row_7	97238_at	Tacc3	transforming, acidic coiled-coil containing protein 3	580	0.396798819	-0.036358677	No
row_8	160138_at	Mxi1	Max interacting protein 1	590	0.39346689	-0.036361974	No
row_9	162110_f_at	Vps45	vacuolar protein sorting 45 (yeast)	620	0.378531426	-0.038038254	No
row_10	104476_at	Rbl1	retinoblastoma-like 1 (p107)	756	0.316981316	-0.048548356	No
row_11	98980_at	Cd37	CD37 antigen	920	0.262147665	-0.061464168	No
row_12	94966_at	G6pdx	glucose-6-phosphate dehydrogenase X-linked	1014	0.228606105	-0.06868528	No
row_13	161861_i_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	1094	0.198500052	-0.07481127	No
row_14	95803_at	Ptpns1	protein tyrosine phosphatase, non-receptor type substrate 1	1150	0.181538492	-0.07899502	No
row_15	98860_at	Sts	steroid sulfatase	1355	0.117933057	-0.09555321	No
row_16	93758_at	Incenp	inner centromere protein	1389	0.110261753	-0.09806096	No
row_17	95804_g_at	Ptpns1	protein tyrosine phosphatase, non-receptor type substrate 1	1597	0.052990269	-0.11498753	No
row_18	161989_f_at	Crat	carnitine acetyltransferase	1670	0.036714904	-0.120840795	No
row_19	94412_at	Cdk2	cyclin-dependent kinase 2	1684	0.032517336	-0.12184914	No
row_20	160401_r_at	Cnot7	CCR4-NOT transcription complex, subunit 7	1773	0.011574706	-0.1290655	No
row_21	97803_at	Mpp1	membrane protein, palmitoylated	1838	-0.004980157	-0.1343202	No
row_22	104526_at	Tcf7	transcription factor EB	1887	-0.016058834	-0.13823813	No
row_23	104636_at	Gstm6	glutathione S-transferase, mu 6	2067	-0.059072513	-0.15285031	No
row_24	101834_at	Mapk3	mitogen activated protein kinase 3	2272	-0.110240549	-0.16942291	No
row_25	97848_at	Rbmx	RNA binding motif protein, X chromosome	2314	-0.117470421	-0.17257515	No
row_26	161523_r_at	Calm2	calmodulin 2	2364	-0.127489805	-0.17636663	No
row_27	160116_at	Timp2	tissue inhibitor of metalloproteinase 2	2400	-0.133255526	-0.17899582	No
row_28	97383_at	Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	2406	-0.134011239	-0.17915606	No
row_29	103045_at	Mtcp1	Mature T-cell proliferation 1	2457	-0.143108875	-0.18300055	No
row_30	99884_at	Ids	iduronate 2-sulfatase	2460	-0.143557921	-0.18289617	No
row_31	100384_at	Hsf4	heat shock transcription factor 4	2469	-0.145961702	-0.18328078	No
row_32	161593_r_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	2500	-0.151702136	-0.18546416	No
row_33	100080_at	Psp	parotid secretory protein	2552	-0.163570419	-0.18935256	No
row_34	160407_at	Actr1a	ARP1 actin-related protein 1 homolog A (yeast)	2558	-0.164985463	-0.1894548	No
row_35	94405_at	Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	2594	-0.171783641	-0.19201182	No
row_36	92514_at	Barx1	BarH-like homeobox 1	2638	-0.181743234	-0.19520818	No
row_37	98107_at	Coro1c	coronin, actin binding protein 1C	2656	-0.184880823	-0.19626015	No
row_38	92394_f_at	Creb1	cAMP responsive element binding protein-like 1	2735	-0.200510561	-0.20230013	No
row_39	104547_at	Dhfr	dihydrofolate reductase	2760	-0.207059562	-0.20388633	No
row_40	97114_at	Psap	prosaposin	2763	-0.207461804	-0.20366226	No
row_41	93216_at	Fgf2	fibroblast growth factor 2	2778	-0.209981844	-0.20442046	No
row_42	101920_at	Pole2	polymerase (DNA directed), epsilon 2 (p59 subunit)	2815	-0.215477079	-0.2069779	No
row_43	97490_at	Bcl7b	B-cell CLL/lymphoma 7B	2852	-0.222542897	-0.2095221	No
row_44	98006_at	Pola2	polymerase (DNA directed), alpha 2	2919	-0.239319354	-0.21450238	No
row_45	162088_r_at	Cfl2	cofilin 2, muscle	2987	-0.25195545	-0.21954124	No
row_46	162215_f_at	Sdc2	syndecan 2	3000	-0.255228579	-0.22005022	No
row_47	160489_at	Tnfrsf25	tumor necrosis factor, alpha-induced protein 2	3037	-0.261810124	-0.22252086	No
row_48	162321_f_at	Barx1	BarH-like homeobox 1	3061	-0.266318649	-0.2239138	No
row_49	99964_at	Vdr	vitamin D receptor	3232	-0.30038619	-0.23733376	No
row_50	161285_r_at	Itn1	integral membrane protein 1	3276	-0.308910221	-0.24029194	No
row_51	97185_at	Arnt	aryl hydrocarbon receptor nuclear translocator	3318	-0.315424144	-0.24307342	No
row_52	98305_at	Foxm1	forkhead box M1	3337	-0.318478703	-0.24395742	No

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row_53	160437_at	Txnr2	thioredoxin reductase 2	3467	-0.343631238	-0.2539241	No
row_54	99557_at	Nelf	nasal embryonic LHRH factor	3473	-0.345336646	-0.25368854	No
row_55	94294_at	Ccnb2	cyclin B2	3510	-0.352809012	-0.25598875	No
row_56	94303_at	Hnrpd	heterogeneous nuclear ribonucleoprotein D	3628	-0.377581984	-0.26490486	No
row_57	160832_at	Ldlr	Low density lipoprotein receptor	3684	-0.388493359	-0.268701	No
row_58	98848_at	Sh3d4	SH3 domain protein 4	3693	-0.39102751	-0.2686266	No
row_59	99882_at	Ids	iduronate 2-sulfatase	3707	-0.393342853	-0.26895913	No
row_60	97714_r_at	Actr1a	ARP1 actin-related protein 1 homolog A (yeast)	3725	-0.396649212	-0.26961446	No
row_61	101208_at	Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	3741	-0.399555415	-0.27009985	No
row_62	161089_r_at	Akap8	A kinase (PRKA) anchor protein 8	3790	-0.409968555	-0.27328002	No
row_63	160912_i_at	Miz1	Msx-interacting-zinc finger	3933	-0.439506054	-0.28413638	No
row_64	162224_r_at	Alpl2	amyloid beta (A4) precursor-like protein 2	4024	-0.46118176	-0.29067513	No
row_65	161391_r_at	Pycs	pyroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)	4115	-0.477897644	-0.29718256	No
row_66	102415_r_at	Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	4146	-0.48340556	-0.29874468	No
row_67	161875_at	Fmr1	fragile X mental retardation syndrome 1 homolog	4222	-0.499823451	-0.30397728	No
row_68	96729_at	Eif4ebp2	eukaryotic translation initiation factor 4E binding protein 2	4359	-0.529463053	-0.31417167	No
row_69	104300_at	Iqgap1	IQ motif containing GTPase activating protein 1	4378	-0.534059525	-0.3146519	No
row_70	94058_r_at	Scd1	stearoyl-Coenzyme A desaturase 1	4421	-0.544836521	-0.31708595	No
row_71	104467_at	Cpd	Carboxypeptidase D	4466	-0.552991569	-0.31966922	No
row_72	96255_at	Bnip3l	BCL2/adenovirus E1B 19kDa-interacting protein 3-like	4474	-0.5550583	-0.31920534	No
row_73	161811_f_at	Ptptra	protein tyrosine phosphatase, receptor type, A	4526	-0.569183171	-0.32233405	No
row_74	92595_r_at	Fech	ferrochelataase	4574	-0.57838732	-0.32511652	No
row_75	94187_at	Gsc	goosecoid	4683	-0.601703167	-0.33287257	No
row_76	161463_f_at	Nsg1	neuron specific gene family member 1	4710	-0.608057201	-0.3338772	No
row_77	101961_at	Bub3	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	4764	-0.621293843	-0.3370678	No
row_78	162314_at	Cnot7	CCR4-NOT transcription complex, subunit 7	4880	-0.647983313	-0.34531295	No
row_79	162298_r_at	Tjp1	tight junction protein 1	4885	-0.648645461	-0.34442705	No
row_80	104468_at	Incenp	inner centromere protein	4890	-0.649421394	-0.34353969	No
row_81	99186_at	Ccna2	cyclin A2	4900	-0.650736988	-0.34306112	No
row_82	95001_at	Akap8	A kinase (PRKA) anchor protein 8	4904	-0.651874721	-0.34208694	No
row_83	96243_f_at	Aldh9a1	aldehyde dehydrogenase 9, subfamily A1	4918	-0.655778646	-0.34192792	No
row_84	97998_at	Drpla	dentatorubral pallidoluysian atrophy	4975	-0.66840893	-0.34528202	No
row_85	103335_at	Lgals9	lectin, galactose binding, soluble 9	4978	-0.66893959	-0.3441936	No
row_86	103236_at	Ring1	ring finger protein 1	4990	-0.672546029	-0.34383872	No
row_87	92355_at	Zfp2	zinc finger protein, multitype 2	5040	-0.681794703	-0.34659198	No
row_88	93573_at	Mt1	metallothionein 1	5103	-0.696725965	-0.35038656	No
row_89	161739_r_at	Pola2	polymerase (DNA directed), alpha 2	5152	-0.707096636	-0.3530102	No
row_90	99584_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	5169	-0.71056211	-0.35299534	No
row_91	94121_at	Spr2h	small proline-rich protein 2H	5239	-0.725996137	-0.35731083	No
row_92	160117_at	Tef	thyrotroph embryonic factor	5336	-0.750763297	-0.3638007	No
row_93	98155_r_at	Pold2	polymerase (DNA directed), delta 2, regulatory subunit	5351	-0.753801405	-0.36354035	No
row_94	100632_at	Prkag1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	5406	-0.768564105	-0.36654237	No
row_95	100462_at	Arf6	ADP-ribosylation factor 6	5407	-0.7686342	-0.36510274	No
row_96	96795_at	Faah	fatty acid amide hydrolase	5424	-0.772645533	-0.36497158	No
row_97	92449_at	Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	5478	-0.784449935	-0.3678616	No
row_98	97847_at	Rbmx	RNA binding motif protein, X chromosome	5489	-0.786191583	-0.36721158	No
row_99	101589_at	Hmgn2	high mobility group nucleosomal binding domain 2	5569	-0.805847108	-0.37220004	No
row_100	100488_at	Gba	glucosidase, beta, acid	5570	-0.805937529	-0.37069052	No
row_101	161527_r_at	Ccni	cyclin I	5611	-0.813155055	-0.3724575	No
row_102	93737_at	Eif2ak1	eukaryotic translation initiation factor 2 alpha kinase 1	5694	-0.83182925	-0.37764406	No
row_103	92395_r_at	Crebl1	cAMP responsive element binding protein-like 1	5715	-0.837063253	-0.37772125	No
row_104	101228_at	Bub3	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	5763	-0.846227348	-0.38000205	No
row_105	94390_at	Akap8	A kinase (PRKA) anchor protein 8	5801	-0.854384899	-0.38144508	No
row_106	96125_at	Daxx	Fas death domain-associated protein	5822	-0.859829366	-0.38147965	No
row_107	96587_at	Arf3	ADP-ribosylation factor 3	5830	-0.86177969	-0.38044128	No
row_108	102024_at	Ncoa3	nuclear receptor coactivator 3	5894	-0.87614429	-0.38398206	No

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row_109	92288_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	5996	-0.902061403	-0.39059982	No
row_110	100948_at	Ank	progressive ankylosis	5998	-0.902437091	-0.3889918	No
row_111	95129_at	Ncor2	nuclear receptor co-repressor 2	6012	-0.906911016	-0.38836244	No
row_112	99960_at	Map2k4	mitogen activated protein kinase kinase 4	6089	-0.927006245	-0.39287722	No
row_113	100101_at	Snrpa	small nuclear ribonucleoprotein polypeptide A	6090	-0.92709744	-0.39114076	No
row_114	97796_at	Crsp2	cofactor required for Sp1 transcriptional activation, subunit 2	6200	-0.955240071	-0.39831692	No
row_115	160941_at	Pde8a	phosphodiesterase 8A	6257	-0.970429957	-0.40110534	No
row_116	100908_at	Ptptra	protein tyrosine phosphatase, receptor type, A	6294	-0.978721976	-0.40223324	No
row_117	161667_r_at	ORF18	open reading frame 18	6303	-0.980252624	-0.40105525	No
row_118	102242_at	Per3	period homolog 3 (Drosophila)	6329	-0.984353125	-0.40126783	No
row_119	98559_at	Smtn	smoothelin	6345	-0.987763703	-0.4006515	No
row_120	103637_at	Naga	N-acetyl galactosaminidase, alpha	6416	-1.00212121	-0.4045321	No
row_121	103249_at	Chrd	chordin	6424	-1.004307985	-0.4032268	No
row_122	99883_g_at	Ids	iduronate 2-sulfatase	6432	-1.007497668	-0.40191552	No
row_123	95506_at	Myo1c	myosin IC	6458	-1.014242887	-0.40207213	No
row_124	92575_at	Aip	aryl-hydrocarbon receptor-interacting protein	6460	-1.015402079	-0.40025255	No
row_125	104275_g_at	Trp53	transformation related protein 53	6480	-1.020232201	-0.39990443	No
row_126	102414_i_at	Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	6577	-1.047099948	-0.40583926	No
row_127	101940_at	Smpd2	sphingomyelin phosphodiesterase 2, neutral	6588	-1.050449967	-0.40469432	No
row_128	102007_at	Hccs	holocytochrome c synthetase	6604	-1.053539991	-0.4039548	No
row_129	103646_at	Crat	carnitine acetyltransferase	6670	-1.070167184	-0.4072967	No
row_130	101858_at	Rfng	radical fringe gene homolog (Drosophila)	6703	-1.076949239	-0.40791157	No
row_131	161088_r_at	Akap8	A kinase (PRKA) anchor protein 8	6738	-1.085850954	-0.40867433	No
row_132	93850_at	Iqgap1	IQ motif containing GTPase activating protein 1	6744	-1.089081645	-0.40704575	No
row_133	162083_f_at	Ntan1	N-terminal Asn amidase	6776	-1.098023176	-0.40753892	No
row_134	104489_at	Sntb2	syntrophin, basic 2	6801	-1.105707169	-0.40744197	No
row_135	102332_at	Ulk1	Unc-51 like kinase 1 (C. elegans)	6858	-1.118382215	-0.4099533	No
row_136	95935_at	Slc26a2	solute carrier family 26 (sulfate transporter), member 2	6865	-1.119400263	-0.40835017	No
row_137	98122_at	Lmo4	LIM domain only 4	6874	-1.121124864	-0.40690833	No
row_138	160655_at	Cpd	carboxypeptidase D	6919	-1.130054593	-0.4084108	No
row_139	160841_at	Dbp	D site albumin promoter binding protein	6969	-1.142585635	-0.410301	No
row_140	100893_at	Sptlc2	serine palmitoyltransferase, long chain base subunit 2	6970	-1.142619133	-0.4081609	No
row_141	97813_at	Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	7001	-1.149939299	-0.4084746	No
row_142	101564_at	Cnot7	CCR4-NOT transcription complex, subunit 7	7018	-1.155209541	-0.40762693	No
row_143	98436_s_at	Casp3	caspase 3, apoptosis related cysteine protease	7055	-1.166663527	-0.4084028	No
row_144	95738_at	Pycs	pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)	7084	-1.172426701	-0.40850988	No
row_145	103668_at	Supt6h	suppressor of Ty 6 homolog (S. cerevisiae)	7088	-1.173280835	-0.4065591	No
row_146	162429_r_at	Serpinf1	serine (or cysteine) proteinase inhibitor, clade F, member 1	7169	-1.193370104	-0.41090396	No
row_147	94353_at	Eif4ebp2	eukaryotic translation initiation factor 4E binding protein 2	7178	-1.195093632	-0.40932357	No
row_148	161401_f_at	Aldh3a2	aldehyde dehydrogenase family 3, subfamily A2	7295	-1.221423268	-0.41657692	No
row_149	98433_at	Bid	BH3 interacting domain death agonist	7372	-1.240226984	-0.42050505	No
row_150	94056_at	Scd1	stearoyl-Coenzyme A desaturase 1	7416	-1.24936986	-0.42170176	No
row_151	103242_at	Ap1g1	adaptor protein complex AP-1, gamma 1 subunit	7474	-1.265099287	-0.42402053	No
row_152	94057_g_at	Scd1	stearoyl-Coenzyme A desaturase 1	7500	-1.271207571	-0.42369583	No
row_153	102371_at	Nr4a1	nuclear receptor subfamily 4, group A, member 1	7586	-1.295678258	-0.42826033	No
row_154	161722_f_at	Gstm5	glutathione S-transferase, mu 5	7777	-1.342437387	-0.44137356	Yes
row_155	161074_at	Pcyt1a	phosphate cytidyltransferase 1, choline, alpha isoform	7801	-1.348959804	-0.44073874	Yes
row_156	101055_at	Pggb	protective protein for beta-galactosidase	7809	-1.350787759	-0.43878448	Yes
row_157	99009_at	Nnt	nicotinamide nucleotide transhydrogenase	7831	-1.356583238	-0.43797088	Yes
row_158	101995_at	Sqstm1	sequestosome 1	7865	-1.364037275	-0.43813035	Yes
row_159	101933_at	Rab10	RAB10, member RAS oncogene family	7909	-1.377264142	-0.4390875	Yes
row_160	92332_at	Dlx2	distal-less homeobox 2	7933	-1.383085847	-0.4383888	Yes
row_161	161596_f_at	Akap8	A kinase (PRKA) anchor protein 8	7955	-1.388532519	-0.43751535	Yes
row_162	104154_at	Trp53	transformation related protein 53	7971	-1.392278075	-0.4361414	Yes
row_163	160215_at	Aes	amino-terminal enhancer of split	7982	-1.394790769	-0.43435147	Yes
row_164	100984_at	Atf1	activating transcription factor 1	8003	-1.400335312	-0.4333737	Yes

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row_165	100016_at	Mmp11	matrix metalloproteinase 11	8024	-1.405605316	-0.43238604	Yes
row_166	93595_at	Cln2	ceroid-lipofuscinosis, neuronal 2	8038	-1.409155607	-0.43081596	Yes
row_167	94896_at	Hnrpab	heterogeneous nuclear ribonucleoprotein A/B	8105	-1.431090832	-0.4335641	Yes
row_168	104719_at	Slc12a7	solute carrier family 12, member 7	8107	-1.431332707	-0.43096548	Yes
row_169	101099_at	Nsg1	neuron specific gene family member 1	8186	-1.45330739	-0.434659	Yes
row_170	92196_f_at	Sf3a2	splicing factor 3a, subunit 2	8191	-1.454674006	-0.4322634	Yes
row_171	160670_at	Tnfrsf19	tumor necrosis factor receptor superfamily, member 19	8234	-1.468037009	-0.43296832	Yes
row_172	100416_at	Melk	maternal embryonic leucine zipper kinase	8237	-1.469224095	-0.430381	Yes
row_173	101448_at	Hgs	HGF-regulated tyrosine kinase substrate	8240	-1.47017467	-0.4277919	Yes
row_174	98441_at	Fmr1	fragile X mental retardation syndrome 1 homolog	8257	-1.473663449	-0.42634776	Yes
row_175	95713_at	Ctip1	cleft lip and palate associated transmembrane protein 1	8272	-1.479356885	-0.42472845	Yes
row_176	94535_at	Add1	adducin 1 (alpha)	8311	-1.488888264	-0.4250653	Yes
row_177	95599_at	Siat4c	sialyltransferase 4C (beta-galactoside alpha-2,3-sialyltransferase)	8360	-1.504385591	-0.42619565	Yes
row_178	98094_f_at	Amfr	autocrine motility factor receptor	8464	-1.53010416	-0.4318016	Yes
row_179	160550_i_at	Magoh	mago-nashi homolog, proliferation-associated (Drosophila)	8478	-1.53324759	-0.42999908	Yes
row_180	101482_at	Ppp1cc	protein phosphatase 1, catalytic subunit, gamma isoform	8522	-1.548885465	-0.43063483	Yes
row_181	92314_at	Col12a1	procollagen, type XII, alpha 1	8538	-1.554879427	-0.42895633	Yes
row_182	93498_s_at	Aplp2	amyloid beta (A4) precursor-like protein 2	8548	-1.557236195	-0.4267799	Yes
row_183	102342_at	Nsf	N-ethylmaleimide sensitive fusion protein	8628	-1.578073859	-0.430322	Yes
row_184	94066_at	Rnf14	ring finger protein 14	8665	-1.59103477	-0.43030304	Yes
row_185	100307_at	Nfix	Nuclear factor I/X	8717	-1.604246974	-0.43149307	Yes
row_186	104364_at	Mapkapk5	MAP kinase-activated protein kinase 5	8729	-1.607413292	-0.42938718	Yes
row_187	94408_at	Nab1	Ngfi-A binding protein 1	8736	-1.608775377	-0.42686749	Yes
row_188	94820_r_at	Ccni	cyclin I	8790	-1.62677443	-0.42817983	Yes
row_189	103043_at	Mtcp1	mature T-cell proliferation 1	8799	-1.628985167	-0.42578676	Yes
row_190	93700_at	Arf3	ADP-ribosylation factor 3	8832	-1.637314677	-0.42535213	Yes
row_191	161515_i_at	Timp2	tissue inhibitor of metalloproteinase 2	8846	-1.640716076	-0.42334837	Yes
row_192	92630_r_at	Hdgf	hepatoma-derived growth factor	8864	-1.646429062	-0.42166287	Yes
row_193	93116_at	Prkacb	protein kinase, cAMP dependent, catalytic, beta	8883	-1.651636124	-0.4200499	Yes
row_194	96797_s_at	Fbxw5	F-box and WD-40 domain protein 5	8994	-1.688301206	-0.4259353	Yes
row_195	94404_at	Vps45	vacuolar protein sorting 45 (yeast)	8998	-1.690469623	-0.42301583	Yes
row_196	160573_at	Hccs	holocytochrome c synthetase	9049	-1.706554294	-0.42393202	Yes
row_197	92650_at	Man1b	mannosidase 1, beta	9060	-1.708981156	-0.4215536	Yes
row_198	92495_at	Cnot4	CCR4-NOT transcription complex, subunit 4	9163	-1.738134146	-0.42668766	Yes
row_199	92731_at	Ptx3	pentaxin related gene	9220	-1.761899829	-0.42799369	Yes
row_200	99077_at	Thra	thyroid hormone receptor alpha	9236	-1.765491009	-0.42592072	Yes
row_201	93293_at	Calm2	calmodulin 2	9260	-1.770465255	-0.4244964	Yes
row_202	104557_at	Pitpnb	phosphatidylinositol transfer protein, beta	9336	-1.797424436	-0.42729867	Yes
row_203	94819_f_at	Ccni	cyclin I	9357	-1.801544309	-0.42556942	Yes
row_204	93868_at	Nsdhl	NAD(P) dependent steroid dehydrogenase-like	9378	-1.809378386	-0.4238255	Yes
row_205	96580_at	Pbx3	pre B-cell leukemia transcription factor 3	9430	-1.826108098	-0.4246	Yes
row_206	100568_at	Abce1	ATP-binding cassette, sub-family E (OABP), member 1	9432	-1.826485753	-0.42126128	Yes
row_207	93958_at	Rnf14	ring finger protein 14	9454	-1.834061384	-0.41955337	Yes
row_208	96256_at	Prdx3	peroxiredoxin 3	9517	-1.854575038	-0.42117932	Yes
row_209	98424_at	Ptpn13	protein tyrosine phosphatase, non-receptor type 13	9564	-1.869865775	-0.42146063	Yes
row_210	93369_at	Omd	osteomodulin	9579	-1.873617172	-0.41910288	Yes
row_211	102364_at	Jund1	Jun proto-oncogene related gene d1	9638	-1.892810822	-0.4203282	Yes
row_212	101540_at	Tdg	thymine DNA glycosylase	9661	-1.899671078	-0.41857967	Yes
row_213	98928_at	Coro1b	coronin, actin binding protein 1B	9669	-1.90275991	-0.41559157	Yes
row_214	160849_at	Dlgh1	discs, large homolog 1 (Drosophila)	9678	-1.905502558	-0.41268063	Yes
row_215	102696_s_at	Pitpnb	phosphatidylinositol transfer protein, beta	9691	-1.909051299	-0.410092	Yes
row_216	100561_at	Iqgap1	IQ motif containing GTPase activating protein 1	9718	-1.914932132	-0.4086439	Yes
row_217	103044_g_at	Mtcp1	mature T-cell proliferation 1	9728	-1.920531392	-0.40578702	Yes
row_218	98631_g_at	Nsdhl	NAD(P) dependent steroid dehydrogenase-like	9736	-1.922506213	-0.40276197	Yes
row_219	93503_at	Sfrp2	secreted frizzled-related sequence protein 2	9738	-1.923012614	-0.39924246	Yes
row_220	93083_at	Anxa5	annexin A5	9804	-1.949841738	-0.4009367	Yes

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row_221	100584_at	Anxa4	annexin A4	9860	-1.974378109	-0.40176252	Yes
row_222	160149_at	Rab10	RAB10, member RAS oncogene family	9862	-1.974797606	-0.398146	Yes
row_223	92448_s_at	Gfra2	glial cell line derived neurotrophic factor family receptor alpha 2	9916	-1.997012973	-0.3987649	Yes
row_224	94133_r_at	Mef2a	myocyte enhancer factor 2A	9925	-2.002924204	-0.39567146	Yes
row_225	101466_at	Pigf	phosphatidylinositol glycan, class F	9939	-2.008764267	-0.39297834	Yes
row_226	93616_g_at	Pbx3	pre B-cell leukemia transcription factor 3	9992	-2.028439283	-0.39345613	Yes
row_227	160153_at	Dnajc7	DnaJ (Hsp40) homolog, subfamily C, member 7	10024	-2.043706179	-0.3921781	Yes
row_228	101080_at	Col5a1	procollagen, type V, alpha 1	10043	-2.052114725	-0.38981503	Yes
row_229	92209_at	Ulk1	Unc-51 like kinase 1 (C. elegans)	10078	-2.066166162	-0.38874164	Yes
row_230	93006_at	Nfic	nuclear factor I/C	10096	-2.073110342	-0.38625702	Yes
row_231	98102_at	Pdha1	pyruvate dehydrogenase E1 alpha 1	10162	-2.098026276	-0.38767374	Yes
row_232	99965_at	Vdr	vitamin D receptor	10173	-2.103673458	-0.38455608	Yes
row_233	97560_at	Psap	prosaposin	10181	-2.106966257	-0.38118553	Yes
row_234	95337_at	Uty	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome	10239	-2.129447699	-0.3818854	Yes
row_235	100941_at	Miz1	Msx-interacting-zinc finger	10241	-2.131067038	-0.3779762	Yes
row_236	92529_s_at	Arnt	aryl hydrocarbon receptor nuclear translocator	10256	-2.13873744	-0.3751219	Yes
row_237	99585_at	Kai1	kangai 1 (suppression of tumorigenicity 6, prostate)	10339	-2.170198441	-0.3778017	Yes
row_238	160656_i_at	Fem1b	feminization 1 homolog b (C. elegans)	10359	-2.17899251	-0.37528324	Yes
row_239	101930_at	Nfix	nuclear factor I/X	10406	-2.198818922	-0.3749484	Yes
row_240	102697_at	Pitpnb	phosphatidylinositol transfer protein, beta	10523	-2.257288694	-0.3802616	Yes
row_241	92558_at	Vcam1	vascular cell adhesion molecule 1	10581	-2.290128469	-0.3806605	Yes
row_242	96065_at	Lxn	latexin	10613	-2.306908846	-0.37888947	Yes
row_243	94705_at	Eya1	eyes absent 1 homolog (Drosophila)	10690	-2.342787981	-0.3807525	Yes
row_244	93806_at	Sh3bgrl	SH3-binding domain glutamic acid-rich protein like	10703	-2.353433371	-0.37733158	Yes
row_245	160540_at	Bag1	Bcl2-associated athanogene 1	10728	-2.36743331	-0.37487143	Yes
row_246	99035_at	Pcyt1a	phosphate cytidylyltransferase 1, choline, alpha isoform	10746	-2.375255346	-0.37182087	Yes
row_247	92629_f_at	Hdgf	hepatoma-derived growth factor	10806	-2.408221722	-0.3721631	Yes
row_248	92478_at	Stag1	stromal antigen 1	10810	-2.409367085	-0.36789715	Yes
row_249	98460_at	Fto	fatso	10853	-2.43376112	-0.36679327	Yes
row_250	160543_at	Snx3	sorting nexin 3	10877	-2.444185972	-0.36410713	Yes
row_251	94282_at	Asah1	N-acylsphingosine amidohydrolase 1	10905	-2.454698801	-0.36173028	Yes
row_252	92875_s_at	Cops7a	COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana)	10911	-2.457576275	-0.35753855	Yes
row_253	160867_at	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	10926	-2.465099096	-0.354073	Yes
row_254	98731_at	Rab5b	RAB5B, member RAS oncogene family	10979	-2.492799997	-0.35368103	Yes
row_255	92197_r_at	Sf3a2	splicing factor 3a, subunit 2	11053	-2.526356697	-0.3549535	Yes
row_256	162308_f_at	Cryab	crystallin, alpha B	11069	-2.53657198	-0.3514363	Yes
row_257	102049_at	Pdk4	pyruvate dehydrogenase kinase, isoenzyme 4	11075	-2.542672873	-0.34708518	Yes
row_258	96799_at	Fbxw5	F-box and WD-40 domain protein 5	11091	-2.552684546	-0.3435378	Yes
row_259	92308_at	Ptprm	protein tyrosine phosphatase, receptor type, M	11099	-2.556155205	-0.33932593	Yes
row_260	99935_at	Tjp1	tight junction protein 1	11107	-2.563244581	-0.33510077	Yes
row_261	100560_at	Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit	11126	-2.574241161	-0.33175978	Yes
row_262	93602_at	Rps6ka4	ribosomal protein S6 kinase, polypeptide 4	11165	-2.595374107	-0.3300242	Yes
row_263	95493_at	Col6a1	procollagen, type VI, alpha 1	11174	-2.601334095	-0.32580996	Yes
row_264	98606_s_at	Wars	tryptophanyl-tRNA synthetase	11185	-2.610177994	-0.32174367	Yes
row_265	98775_at	Stk3	serine/threonine kinase 3 (Ste20, yeast homolog)	11196	-2.614292145	-0.31766966	Yes
row_266	95379_at	Mab21l2	mab-21-like 2 (C. elegans)	11222	-2.630721092	-0.31479862	Yes
row_267	92365_at	Figf	c-fos induced growth factor	11233	-2.641223192	-0.31067416	Yes
row_268	94915_at	Ppib	peptidylprolyl isomerase B	11274	-2.665758848	-0.30897126	Yes
row_269	161337_f_at	Wars	tryptophanyl-tRNA synthetase	11279	-2.67079854	-0.30429792	Yes
row_270	103559_at	Prkaca	protein kinase, cAMP dependent, catalytic, alpha	11284	-2.672827482	-0.29962078	Yes
row_271	92874_f_at	Cops7a	COP9 (constitutive photomorphogenic) homolog, subunit 7a (Arabidopsis thaliana)	11360	-2.728254795	-0.3006796	Yes
row_272	162459_f_at	Col6a1	procollagen, type VI, alpha 1	11395	-2.751260042	-0.29832304	Yes
row_273	98922_at	Itn1	integral membrane protein 1	11424	-2.772446394	-0.2954333	Yes
row_274	93691_s_at	Grb10	growth factor receptor bound protein 10	11467	-2.809031963	-0.29362658	Yes
row_275	98587_at	Nap1l1	nucleosome assembly protein 1-like 1	11479	-2.817368984	-0.28925446	Yes
row_276	92309_i_at	Ptprm	protein tyrosine phosphatase, receptor type, M	11522	-2.858771563	-0.28735453	Yes

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row_277	101590_at	Lamp2	lysosomal membrane glycoprotein 2	11553	-2.883887291	-0.28442058	Yes
row_278	100136_at	Lamp2	lysosomal membrane glycoprotein 2	11575	-2.909041882	-0.28069928	Yes
row_279	93043_at	Sdfr1	stromal cell derived factor receptor 1	11581	-2.911748886	-0.27565688	Yes
row_280	98503_at	Evi5	ecotropic viral integration site 5	11594	-2.928385258	-0.27115908	Yes
row_281	103854_at	Arl2	ADP-ribosylation factor-like 2	11597	-2.929571867	-0.26583654	Yes
row_282	160558_at	Akt2	thymoma viral proto-oncogene 2	11609	-2.946228266	-0.26122308	Yes
row_283	95467_at	Scoc	short coiled-coil protein	11621	-2.966882467	-0.2565709	Yes
row_284	93968_at	Pdcd5	programmed cell death 5	11625	-2.971087933	-0.2512529	Yes
row_285	99435_at	Fgf7	fibroblast growth factor 7	11642	-2.982535124	-0.24698265	Yes
row_286	96666_at	Ntan1	N-terminal Asn amidase	11670	-3.017958164	-0.24355084	Yes
row_287	93455_s_at	Bmp4	bone morphogenetic protein 4	11695	-3.031699896	-0.23984654	Yes
row_288	94706_s_at	Eya1	eyes absent 1 homolog (Drosophila)	11709	-3.05415225	-0.23519543	Yes
row_289	93460_at	Acvr1	activin A receptor, type 1	11715	-3.062715769	-0.22987027	Yes
row_290	98306_g_at	Foxm1	forkhead box M1	11716	-3.063954353	-0.22413155	Yes
row_291	160101_at	Hmox1	heme oxygenase (decycling) 1	11742	-3.091988325	-0.22039658	Yes
row_292	103904_at	Igfbbp6	insulin-like growth factor binding protein 6	11746	-3.099203825	-0.21483858	Yes
row_293	100011_at	Klf3	Kruppel-like factor 3 (basic)	11770	-3.131819487	-0.2108645	Yes
row_294	92348_at	Thra	thyroid hormone receptor alpha	11775	-3.133611917	-0.2053243	Yes
row_295	102033_at	Tesk1	testis specific protein kinase 1	11781	-3.136728048	-0.19986054	Yes
row_296	93852_at	Mef2a	myocyte enhancer factor 2A	11810	-3.165689468	-0.19623427	Yes
row_297	95019_at	Gstt1	glutathione S-transferase, theta 1	11883	-3.248587847	-0.19607176	Yes
row_298	100010_at	Klf3	Kruppel-like factor 3 (basic)	11891	-3.252199411	-0.19055621	Yes
row_299	96049_at	Bgn	biglycan	11977	-3.398192167	-0.19118275	Yes
row_300	95477_at	ORF18	open reading frame 18	11978	-3.401887655	-0.18481109	Yes
row_301	96085_at	Gsta4	glutathione S-transferase, alpha 4	12005	-3.449926138	-0.18048795	Yes
row_302	101587_at	Ephx1	epoxide hydrolase 1, microsomal	12045	-3.517450809	-0.1771076	Yes
row_303	96110_at	Cbr1	carbonyl reductase 1	12072	-3.578427553	-0.17254378	Yes
row_304	104746_at	Fkbp7	FK506 binding protein 7	12073	-3.580129147	-0.16583827	Yes
row_305	98586_at	Nap111	nucleosome assembly protein 1-like 1	12085	-3.597468853	-0.16000505	Yes
row_306	92560_g_at	Vcam1	vascular cell adhesion molecule 1	12091	-3.609383821	-0.15365599	Yes
row_307	93718_at	Rab23	RAB23, member RAS oncogene family	12097	-3.617516994	-0.1472917	Yes
row_308	97519_at	Spp1	secreted phosphoprotein 1	12105	-3.626934767	-0.14107428	Yes
row_309	162236_f_at	Nelf	nasal embryonic LHRH factor	12157	-3.755413771	-0.13823524	Yes
row_310	102419_at	Rarg	retinoic acid receptor, gamma	12171	-3.787611723	-0.13221037	Yes
row_311	160082_s_at	Arf4	ADP-ribosylation factor 4	12174	-3.809144735	-0.12524042	Yes
row_312	93728_at	Tgfb1i4	transforming growth factor beta 1 induced transcript 4	12180	-3.816802979	-0.11850288	Yes
row_313	100962_at	Nab2	Ngfi-A binding protein 2	12184	-3.826468468	-0.111582726	Yes
row_314	98839_at	Six2	sine oculis-related homeobox 2 homolog (Drosophila)	12192	-3.841299057	-0.1049638	Yes
row_315	98407_at	Efnb1	ephrin B1	12211	-3.876890182	-0.09918298	Yes
row_316	100630_f_at	Gstm5	glutathione S-transferase, mu 5	12297	-4.197883606	-0.09831171	Yes
row_317	97474_r_at	Ptn	pleiotrophin	12301	-4.209012032	-0.09067506	Yes
row_318	97549_at	Cfl2	cofilin 2, muscle	12319	-4.280283451	-0.08405643	Yes
row_319	100927_at	Pltp	phospholipid transfer protein	12334	-4.341454983	-0.07707648	Yes
row_320	92555_at	Tm4sf6	transmembrane 4 superfamily member 6	12355	-4.456503391	-0.07037455	Yes
row_321	104143_at	Copz2	coatamer protein complex, subunit zeta 2	12368	-4.607208729	-0.06273234	Yes
row_322	100629_at	Gstm5	glutathione S-transferase, mu 5	12386	-4.729636192	-0.055272084	Yes
row_323	95104_at	Sdc2	syndecan 2	12389	-4.734204769	-0.046569515	Yes
row_324	162347_f_at	Bgn	biglycan	12390	-4.7458148	-0.0376807	Yes
row_325	96703_at	Maged1	melanoma antigen, family D, 1	12391	-4.748409748	-0.028787024	Yes
row_326	98108_at	Crabp1	cellular retinoic acid binding protein I	12394	-4.758356571	-0.02003922	Yes
row_327	93507_at	Timp2	tissue inhibitor of metalloproteinase 2	12399	-4.817114353	-0.011345862	Yes
row_328	93574_at	Serpinf1	serine (or cysteine) proteinase inhibitor, clade F, member 1	12412	-4.904269218	-0.00314727	Yes
row_329	93534_at	Dcn	decorin	12414	-4.930129528	0.006004514	Yes