

Supplemental Table S1. Differentially expressed genes (1% FDR) in response to systemic LPS.**(A)** B6129 F2 mice 6 hours post-LPS

PROBE	ACCESSION	SYMBOL	ENTREZID	DESCRIPTION	Score (d)	LPS/saline	
						fold	q-value (%)
A_51_P432641	NM_021274	Cxcl10	15945	chemokine (C-X-C motif) ligand 10	9.11	220.15	0.00
A_52_P446431	NM_010846	Mx1	17857	myxovirus (influenza virus) resistance 1	13.43	197.07	0.00
A_51_P327751	NM_008331	Ifit1	15957	interferon-induced protein with tetratricopeptide repeats 1	11.68	191.63	0.00
A_51_P505132	NM_021384	Rsad2	58185	radical S-adenosyl methionine domain containing 2	9.44	163.82	0.00
A_51_P505134	NM_021384	Rsad2	58185	radical S-adenosyl methionine domain containing 2	9.53	148.92	0.00
A_51_P161021	NM_008332	Ifit2	15958	interferon-induced protein with tetratricopeptide repeats 2	10.10	133.14	0.00
A_52_P670026	NM_021384	Rsad2	58185	radical S-adenosyl methionine domain containing 2	8.74	123.95	0.00
A_52_P186937	NM_020557	Cmpk2	22169	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	9.82	122.96	0.00
A_51_P509573	NM_013652	Ccl4	20303	chemokine (C-C motif) ligand 4	12.17	120.92	0.00
A_51_P203955	NM_010260	Gbp2	14469	guanylate binding protein 2	6.91	110.75	0.00
A_52_P542388	NM_008332	Ifit2	15958	interferon-induced protein with tetratricopeptide repeats 2	11.64	101.52	0.00
A_51_P279606	NM_009896	Socs1	12703	suppressor of cytokine signaling 1	7.14	97.44	0.00
A_51_P232682	NM_017466	Ccr12	54199	chemokine (C-C motif) receptor-like 2	9.42	91.92	0.00
A_51_P123625	AK152177	Irg1	16365	immunoresponsive gene 1	7.94	83.59	0.00
A_51_P100852	NM_175449	Fam26f	215900	family with sequence similarity 26, member F	9.63	83.06	0.00
A_52_P327664	NM_153564	Gbp5	229898	guanylate binding protein 5	9.37	78.26	0.00
A_51_P434737	NM_001040; NA	NA	NA	NA	6.77	74.34	0.00
A_51_P452629	NM_011905	Tlr2	24088	toll-like receptor 2	11.39	73.82	0.00
A_52_P334593	NM_017466	Ccr12	54199	chemokine (C-C motif) receptor-like 2	9.12	72.89	0.00
A_52_P189772	NM_194336	Mpa2l	100702	macrophage activation 2 like	8.84	71.93	0.00
A_51_P123630	L38281	Irg1	16365	immunoresponsive gene 1	7.42	69.89	0.00
A_51_P140710	NM_011337	Ccl3	20302	chemokine (C-C motif) ligand 3	8.25	66.24	0.00

A_51_P164219	NM_011909	Usp18	24110	ubiquitin specific peptidase 18	9.48	64.53	0.00
A_51_P248666	NM_021893	Cd274	60533	CD274 antigen	8.66	64.00	0.00
A_51_P286737	NM_011333	Ccl2	20296	chemokine (C-C motif) ligand 2	5.71	63.89	0.00
A_51_P461665	NM_008599	Cxcl9	17329	chemokine (C-X-C motif) ligand 9	6.44	63.82	0.00
A_51_P398766	NM_010259	Gbp1	14468	guanylate binding protein 1	2.88	63.43	0.00
A_51_P184484	NM_008607	Mmp13	17386	matrix metalloproteinase 13	10.24	62.71	0.00
A_52_P663686	AK077243	I830012O1	667370	RIKEN cDNA I830012O16 gene	9.81	61.36	0.00
A_51_P400190	NM_020557	Cmpk2	22169	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	8.99	60.56	0.00
A_51_P359570	NM_010501	Ifit3	15959	interferon-induced protein with tetratricopeptide repeats 3	9.22	56.07	0.00
A_51_P436652	NM_013654	Ccl7	20306	chemokine (C-C motif) ligand 7	8.00	54.68	0.00
A_52_P653054	NA	NA	NA	NA	8.99	53.45	0.00
A_51_P485312	NM_013653	Ccl5	20304	chemokine (C-C motif) ligand 5	7.84	53.30	0.00
A_52_P638459	BC033508	Ccl5	20304	chemokine (C-C motif) ligand 5	7.59	52.36	0.00
A_51_P488739	NM_030701	Niacr1	80885	niacin receptor 1	9.47	52.27	0.00
A_51_P437309	NM_145209	Oasl1	231655	2'-5' oligoadenylate synthetase-like 1	9.30	51.73	0.00
A_52_P480044	NA	NA	NA	NA	8.92	51.24	0.00
A_52_P431159	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	6.04	48.04	0.00
A_52_P399934	NM_010090	Dusp2	13537	dual specificity phosphatase 2	9.66	47.59	0.00
A_52_P412417	NM_009397	Tnfaip3	21929	tumor necrosis factor, alpha-induced protein 3	8.10	46.91	0.00
A_52_P676510	NM_011579	Tgtp	21822	T-cell specific GTPase	8.24	45.05	0.00
A_51_P112966	NM_009890	Ch25h	12642	cholesterol 25-hydroxylase	6.85	43.81	0.00
A_51_P514085	NM_013606	Mx2	17858	myxovirus (influenza virus) resistance 2	8.81	43.42	0.00
A_51_P463562	NM_008620	Gbp4	17472	guanylate binding protein 4	8.10	42.65	0.00
A_51_P510156	NM_008491	Lcn2	16819	lipocalin 2	4.85	42.07	0.00
A_51_P323180	NM_172777	Gbp9	236573	guanylate-binding protein 9	9.96	39.91	0.00
A_51_P249989	NM_145133	Tifa	211550	TRAF-interacting protein with forkhead-associated domain	5.58	38.53	0.00
A_51_P212491	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 solute carrier family 10 (sodium/bile acid cotransporter	7.12	37.77	0.00
A_51_P173678	NM_029415	Slc10a6	75750	family), member 6	6.08	36.31	0.00
A_52_P466090	NM_018851	Samhd1	56045	SAM domain and HD domain, 1	8.24	35.24	0.00

A_52_P344949	NM_172777	Gbp9	236573	guanylate-binding protein 9	8.62	35.23	0.00
A_52_P141608	NM_183160	E030010A1	226040	RIKEN cDNA E030010A14 gene	8.97	35.17	0.00
A_52_P419678	NM_001033:	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member 3F	5.37	34.94	0.00
A_52_P525348	NA	NA	NA	NA	6.19	34.85	0.00
A_52_P57843	NM_011347	Selp	20344	selectin, platelet	9.38	33.03	0.00
A_52_P419679	NM_001033:	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member 3F	5.57	33.01	0.00
A_52_P338066	NM_023137	Ubd	24108	ubiquitin D	4.42	32.44	0.00
A_51_P342567	NM_031185	Akap12	83397	A kinase (PRKA) anchor protein (gravin) 12	6.76	31.95	0.00
A_52_P676403	NM_019494	Cxcl11	56066	chemokine (C-X-C motif) ligand 11	7.86	31.66	0.00
A_51_P165244	NM_018734	Gbp3	55932	guanylate binding protein 3	6.55	31.51	0.00
A_51_P510713	NM_020583	Isg20	57444	interferon-stimulated protein	8.28	31.04	0.00
A_51_P501858	NM_148927	Plekha4	69217	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	9.79	30.88	0.00
A_51_P184936	NM_021394	Zbp1	58203	Z-DNA binding protein 1	6.03	30.45	0.00
A_51_P143893	NM_054098	Steap4	117167	STEAP family member 4	5.97	30.41	0.00
A_51_P202911	NM_144882	Spats2l	67198	spermatogenesis associated, serine-rich 2-like	3.72	30.35	0.00
A_52_P463936	NM_015783	Isg15	1E+08	ISG15 ubiquitin-like modifier	6.30	30.17	0.00
A_52_P544421	NM_029509	Gbp8	76074	guanylate-binding protein 8	8.97	30.07	0.00
A_51_P327405	NM_029509	Gbp8	76074	guanylate-binding protein 8	8.00	28.83	0.00
A_51_P211854	NM_011347	Selp	20344	selectin, platelet	9.60	28.15	0.00
A_52_P350512	NM_145996	Arid5a	214855	AT rich interactive domain 5A (MRF1-like)	9.21	28.01	0.00
A_52_P182919	NM_054098	Steap4	117167	STEAP family member 4	5.11	27.18	0.00
A_51_P129229	NM_008330	Ifi47	15953	interferon gamma inducible protein 47	8.12	27.17	0.00
A_51_P183571	NM_008871	Serpine1	18787	serine (or cysteine) peptidase inhibitor, clade E, member 1	4.76	27.13	0.00
A_51_P504991	NM_181542	Slfn10	237887	schlafen 10	4.51	27.13	0.00
A_52_P452689	NM_007498	Atf3	11910	activating transcription factor 3	7.14	27.03	0.00
A_52_P661713	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	6.59	26.98	0.00
A_51_P463846	NM_145545	Gbp6	229900	guanylate binding protein 6	9.68	26.76	0.00
A_52_P435154	NM_172648	Ifi205	226695	interferon activated gene 205	6.68	26.49	0.00
A_52_P199633	NM_199146	AI451617	209387	expressed sequence AI451617	6.63	26.34	0.00
A_51_P212782	NM_008361	Il1b	16176	interleukin 1 beta	8.03	26.04	0.00

A_52_P251690	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	6.71	26.00	0.00
A_51_P514961	NM_178892	Tiparp	99929	TCDD-inducible poly(ADP-ribose) polymerase	7.84	25.70	0.00
A_52_P1197913	NM_008655	Gadd45b	17873	growth arrest and DNA-damage-inducible 45 beta	9.26	25.65	0.00
A_51_P154983	NM_022409	Zfp296	63872	zinc finger protein 296	8.43	24.30	0.00
A_52_P68893	NM_008337	lfng	15978	interferon gamma	4.65	23.65	0.00
A_51_P214423	BC049153	Tead1	21676	TEA domain family member 1	5.06	23.18	0.00
A_51_P228753	XM_897631	NA	NA	NA	6.93	22.78	0.00
A_52_P85174	NM_126166	Tlr3	142980	toll-like receptor 3	7.36	22.77	0.00
A_52_P448253	NM_020583	Isg20	57444	interferon-stimulated protein	7.96	22.72	0.00
A_52_P442567	NM_009099	Trim30	20128	tripartite motif-containing 30	6.79	22.53	0.00
A_51_P198179	NM_023141	Tor3a	30935	torsin family 3, member A	9.01	22.49	0.00
A_51_P172853	NM_009841	Cd14	12475	CD14 antigen	4.57	22.40	0.00
A_51_P387591	NM_030612	Nfkbiz	80859	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	6.09	22.39	0.00
A_51_P474459	NM_007707	Socs3	12702	suppressor of cytokine signaling 3	5.64	22.27	0.00
A_51_P183812	NM_011410	Slfn4	20558	schlafen 4	5.81	22.11	0.00
A_51_P500984	NM_008655	Gadd45b	17873	growth arrest and DNA-damage-inducible 45 beta	6.88	21.95	0.00
A_52_P6328	NM_021524	Nampt	59027	nicotinamide phosphoribosyltransferase	6.31	21.90	0.00
A_51_P271503	NM_008362	Il1r1	16177	interleukin 1 receptor, type I	6.86	21.87	0.00
A_51_P494241	NM_007534	Bcl2a1b	12045	B-cell leukemia/lymphoma 2 related protein A1b	7.27	21.58	0.00
A_51_P262515	NM_172603	Phf11	219131	PHD finger protein 11	6.58	21.34	0.00
A_51_P400166	NM_011637	Trex1	22040	three prime repair exonuclease 1	9.76	21.25	0.00
A_52_P371494	AK136456	AI451617	209387	expressed sequence AI451617	5.52	21.17	0.00
A_52_P1173559	NA	NA	NA	NA	8.34	21.12	0.00
A_51_P509518	NM_009058	Ralgds	19730	ral guanine nucleotide dissociation stimulator	6.33	20.40	0.00
A_52_P164821	XM_905096	Gm12250	631323	predicted gene 12250	6.38	20.16	0.00
A_51_P325904	NM_008381	Inhbb	16324	inhibin beta-B	7.04	20.04	0.00
A_51_P387123	NM_011854	Oasl2	23962	2'-5' oligoadenylate synthetase-like 2	6.45	19.81	0.00
A_51_P262171	NM_008326	Irgm1	15944	immunity-related GTPase family M member 1	7.86	19.74	0.00
A_52_P550858	AK085407	Ifi44	99899	interferon-induced protein 44	10.43	18.98	0.00
A_51_P295315	NM_020033	Ankrd2	56642	ankyrin repeat domain 2 (stretch responsive muscle)	4.18	18.92	0.00

A_51_P478722	NM_011579	Tgtp	21822	T-cell specific GTPase	7.38	18.73	0.00
A_51_P254656	NM_008230	Hdc	15186	histidine decarboxylase	7.04	18.72	0.00
A_51_P363187	NM_008176	Cxcl1	14825	chemokine (C-X-C motif) ligand 1	4.38	18.46	0.00
A_51_P294979	NM_013602	Mt1	17748	metallothionein 1	3.97	18.44	0.00
A_52_P64514	AK007221	Herc5	67138	hect domain and RLD 5	6.80	18.28	0.00
A_52_P416756	NM_033075	D17H6S56E	110956	DNA segment, Chr 17, human D6S56E 5	5.61	18.12	0.00
A_52_P423810	AK154954	Mt1	17748	metallothionein 1	4.31	18.07	0.00
A_51_P165182	NM_028967	Batf2	74481	basic leucine zipper transcription factor, ATF-like 2	5.71	17.85	0.00
A_51_P501248	NM_025367	Sphk1	20698	sphingosine kinase 1	5.26	17.56	0.00
A_52_P386627	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	6.89	17.55	0.00
A_52_P49797	NA	NA	NA	NA	5.74	17.55	0.00
A_51_P501554	NM_025453	Tm4sf20	66261	transmembrane 4 L six family member 20	6.58	17.41	0.00
A_51_P326191	NM_009251	Serpina3g	20715	serine (or cysteine) peptidase inhibitor, clade A, member 3G	7.24	17.32	0.00
A_52_P52357	BC052851	Tor3a	30935	torsin family 3, member A	7.94	17.14	0.00
A_51_P387235	NM_021524	Nampt	59027	nicotinamide phosphoribosyltransferase	5.84	16.93	0.00
A_51_P220976	NM_008337	lfng	15978	interferon gamma	3.95	16.93	0.00
A_51_P234274	BC013672	Ddx60	234311	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	6.78	16.90	0.00
A_52_P295432	NM_009141	Cxcl5	20311	chemokine (C-X-C motif) ligand 5	6.08	16.68	0.00
A_51_P134468	NM_033075	D17H6S56E	110956	DNA segment, Chr 17, human D6S56E 5	5.26	16.63	0.00
A_51_P217463	NM_009140	Cxcl2	20310	chemokine (C-X-C motif) ligand 2	4.78	16.57	0.00
A_51_P402943	NM_009114	S100a9	20202	S100 calcium binding protein A9 (calgranulin B)	4.89	16.39	0.00
A_52_P679860	AK147960	Herc5	67138	hect domain and RLD 5	6.81	16.22	0.00
A_52_P126158	NM_008326	Irgm1	15944	immunity-related GTPase family M member 1	6.36	15.99	0.00
A_52_P474528	NA	NA	NA	NA	5.47	15.90	0.00
A_52_P431615	XM_001000	Gm1966	434223	predicted gene 1966	6.24	15.88	0.00
A_51_P286488	NM_133662	Ier3	15937	immediate early response 3	5.62	15.80	0.00
A_52_P646832	NM_023380	Samsn1	67742	SAM domain, SH3 domain and nuclear localization signals, 1	6.47	15.77	0.00
A_51_P365744	NM_025777	Duoxa2	66811	dual oxidase maturation factor 2	6.14	15.70	0.00
A_51_P176972	NM_178114	Amigo2	105827	adhesion molecule with Ig like domain 2	5.35	15.66	0.00
A_51_P462192	NM_138648	Olr1	108078	oxidized low density lipoprotein (lectin-like) receptor 1	8.11	15.60	0.00

A_51_P364694	AK138790	Sfn5	327978	schlafen 5	6.55	15.60	0.00
A_51_P275454	NM_009099	Trim30	20128	tripartite motif-containing 30	5.91	15.53	0.00
A_52_P681310	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor	5.39	15.41	0.00
A_51_P153765	NM_024495	Car13	71934	carbonic anhydrase 13	7.65	15.40	0.00
A_51_P291906	NM_126166	Tlr3	142980	toll-like receptor 3	6.83	15.30	0.00
A_51_P288138	NM_008039	Fpr2	14289	formyl peptide receptor 2	7.39	15.11	0.00
A_52_P83479	NM_008329	Ifi204	15951	interferon activated gene 204	5.31	15.02	0.00
A_51_P348280	NM_008359	Il17ra	16172	interleukin 17 receptor A	8.33	14.96	0.00
A_51_P229676	NM_011636	Plscr1	22038	phospholipid scramblase 1	6.71	14.95	0.00
A_51_P511787	NM_007609	Casp4	12363	caspase 4, apoptosis-related cysteine peptidase	6.43	14.92	0.00
A_51_P229675	NM_011636	Plscr1	22038	phospholipid scramblase 1	6.85	14.72	0.00
A_51_P377620	NM_001033	Mnda	381308	myeloid cell nuclear differentiation antigen	6.10	14.51	0.00
A_51_P246317	NM_008630	Mt2	17750	metallothionein 2	3.74	14.50	0.00
A_51_P484158	NM_027399	Steap1	70358	six transmembrane epithelial antigen of the prostate 1	5.72	14.47	0.00
A_52_P208763	NM_013654	Ccl7	20306	chemokine (C-C motif) ligand 7	5.69	14.46	0.00
A_51_P517843	NM_027450	Glipr2	384009	GLI pathogenesis-related 2	7.63	14.39	0.00
A_51_P100063	NM_010727	Ln timer	16924	ligand of numb-protein X 1	3.25	14.29	0.00
A_51_P197910	XM_898199	NA	NA	NA	6.52	14.24	0.00
A_52_P409601	NM_170701	Cd40	21939	CD40 antigen	6.95	14.20	0.00
A_51_P440535	NM_029005	Mlkl	74568	mixed lineage kinase domain-like	6.93	14.08	0.00
A_52_P535484	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	6.61	14.05	0.00
A_52_P31577	NM_008359	Il17ra	16172	interleukin 17 receptor A	8.43	14.05	0.00
A_51_P256827	NM_013650	S100a8	20201	S100 calcium binding protein A8 (calgranulin A)	5.37	13.91	0.00
A_52_P615051	AK035396	1200016E2	319202	RIKEN cDNA 1200016E24 gene	5.49	13.82	0.00
A_51_P317176	NM_009971	Csf3	12985	colony stimulating factor 3 (granulocyte)	5.10	13.80	0.00
A_51_P313803	NM_028287	Zufsp	72580	zinc finger with UFM1-specific peptidase domain	6.56	13.59	0.00
A_51_P494403	AK046736	Xaf1	327959	XIAP associated factor 1	4.47	13.58	0.00
A_51_P267587	BC052902	Gdap10	14546	ganglioside-induced differentiation-associated-protein 10	6.29	13.50	0.00
A_51_P490795	AK137548	Mxd1	17119	MAX dimerization protein 1	7.67	13.39	0.00
A_51_P177392	AB041546	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	7.10	13.35	0.00
A_52_P425839	NM_181596	Retnlg	245195	resistin like gamma	8.33	13.29	0.00

A_52_P455370	NM_175628	A2m	232345	alpha-2-macroglobulin	2.30	13.29	0.01
A_52_P535122	NA	NA	NA	NA	7.85	13.28	0.00
A_52_P110052	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	5.83	13.22	0.00
A_52_P267391	NM_023835	Trim12	76681	tripartite motif-containing 12	3.06	13.16	0.00
A_51_P307166	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	6.10	13.10	0.00
A_52_P799815	NM_001025	Tmem171	380863	transmembrane protein 171	6.81	13.06	0.00
A_51_P111164	NM_172612	Rnd1	223881	Rho family GTPase 1	6.85	13.05	0.00
A_51_P408346	NM_008329	Ifi204	15951	interferon activated gene 204	7.27	13.01	0.00
A_52_P86965	XM_980696	AI607873	226691	expressed sequence AI607873	5.81	12.97	0.00
A_51_P514712	NM_001039	Parp14	547253	poly (ADP-ribose) polymerase family, member 14	8.30	12.79	0.00
A_51_P444447	NM_007679	Cebpd	12609	CCAAT/enhancer binding protein (C/EBP), delta	5.53	12.78	0.00
A_51_P144438	AK157301	Znfx1	98999	zinc finger, NFX1-type containing 1	7.58	12.52	0.00
A_51_P487690	NM_133871	Ifi44	99899	interferon-induced protein 44	6.06	12.45	0.00
A_51_P384894	NM_001033	Csta	209294	cystatin A	5.58	12.35	0.00
A_51_P126437	NM_007930	Enc1	13803	ectodermal-neural cortex 1	4.38	12.30	0.00
A_51_P159503	NM_001040	Rnf213	672511	ring finger protein 213	8.06	12.27	0.00
A_52_P654841	NM_011636	Plscr1	22038	phospholipid scramblase 1	6.17	12.26	0.00
A_52_P362917	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	6.10	12.24	0.00
A_51_P116601	NM_172447	A330021E2	207686	RIKEN cDNA A330021E22 gene	5.26	12.23	0.00
A_52_P408580	NM_001004	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	7.30	12.21	0.00
A_52_P380369	NM_199015	D14Ertd66	219132	DNA segment, Chr 14, ERATO Doi 668, expressed	5.95	12.18	0.00
A_51_P464918	NM_019453	Mefv	54483	Mediterranean fever	6.13	12.09	0.00
A_52_P634829	NM_023835	Trim12	76681	tripartite motif-containing 12	4.15	11.99	0.00
A_51_P120093	NM_028035	Snx10	71982	sorting nexin 10	6.28	11.96	0.00
A_52_P199019	NM_001013	Trim6	94088	tripartite motif-containing 6	6.47	11.91	0.00
A_51_P454422	AB093296	Unc79	217843	unc-79 homolog (C. elegans)	4.51	11.86	0.00
A_51_P408506	BC008626	Icam1	15894	intercellular adhesion molecule 1	5.82	11.85	0.00
A_51_P315904	NM_011817	Gadd45g	23882	growth arrest and DNA-damage-inducible 45 gamma	3.86	11.80	0.00
A_52_P326187	XM_136331	Gm4955	240921	predicted gene 4955	4.56	11.74	0.00

A_51_P175580	NM_021897	Trp53inp1	60599	transformation related protein 53 inducible nuclear protein 1	5.14	11.69	0.00
A_51_P342916	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	6.09	11.54	0.00
A_51_P362066	NM_007695	Chi3l1	12654	chitinase 3-like 1	5.35	11.45	0.00
A_51_P458258	NM_011888	Ccl19	24047	chemokine (C-C motif) ligand 19	5.28	11.41	0.00
A_51_P341767	NM_001039	Parp14	547253	poly (ADP-ribose) polymerase family, member 14	7.25	11.39	0.00
A_51_P470079	NM_010555	Il1r2	16178	interleukin 1 receptor, type II	6.63	11.36	0.00
A_51_P268831	NM_172659	Slc2a6	227659	solute carrier family 2 (facilitated glucose transporter), member 6	5.77	11.30	0.00
A_52_P516034	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	6.01	11.30	0.00
A_51_P107362	NM_007706	Socs2	216233	suppressor of cytokine signaling 2	5.09	11.21	0.00
A_52_P363216	NM_133219	Gcnt2	14538	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	7.00	11.16	0.00
A_51_P401343	NM_019500	Cldn14	56173	claudin 14	7.16	11.16	0.00
A_51_P257550	NM_010807	Marcksl1	17357	MARCKS-like 1	4.75	11.16	0.00
A_51_P333274	NM_013542	Gzmb	14939	granzyme B	4.83	11.11	0.00
A_51_P423578	NM_011408	Sln2	20556	schlafen 2	6.62	11.04	0.00
A_51_P296608	NM_007836	Gadd45a	13197	growth arrest and DNA-damage-inducible 45 alpha	4.86	10.99	0.00
A_51_P408343	NM_008329	Ifi204	15951	interferon activated gene 204	6.81	10.97	0.00
A_52_P138126	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	6.82	10.91	0.00
A_52_P503387	NM_021897	Trp53inp1	60599	transformation related protein 53 inducible nuclear protein 1	4.94	10.81	0.00
A_52_P640484	NM_009277	Trim21	20821	tripartite motif-containing 21	7.59	10.76	0.00
A_51_P311611	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	5.14	10.70	0.00
A_51_P304170	NM_023386	Rtp4	67775	receptor transporter protein 4	6.46	10.64	0.00
A_51_P297925	NM_153159	Zc3h12a	230738	zinc finger CCCH type containing 12A	5.87	10.62	0.00
A_51_P417701	NM_001042	Apaf1	11783	apoptotic peptidase activating factor 1	5.31	10.61	0.00
A_52_P559919	NM_011163	Eif2ak2	19106	eukaryotic translation initiation factor 2-alpha kinase 2	5.49	10.59	0.00
A_52_P613241	NM_010493	Icam1	15894	intercellular adhesion molecule 1	6.35	10.58	0.00

A_51_P385099	NM_013693	Tnf	21926	tumor necrosis factor	4.14	10.58	0.00
A_52_P604629	NM_153287	Csrnp1	215418	cysteine-serine-rich nuclear protein 1	5.85	10.58	0.00
A_51_P337308	NM_011315	Saa3	20210	serum amyloid A 3	3.53	10.49	0.00
A_51_P115575	D13759	Map3k8	26410	mitogen-activated protein kinase kinase kinase 8	6.88	10.49	0.00
A_51_P231103	NM_007843	Defb1	13214	defensin beta 1	4.23	10.44	0.00
A_51_P334785	NM_175026	Pyhin1	236312	pyrin and HIN domain family, member 1	4.90	10.32	0.00
A_52_P321140	NM_007843	Defb1	13214	defensin beta 1	4.51	10.18	0.00
A_51_P488196	NM_028472	Bmper	73230	BMP-binding endothelial regulator	5.78	10.11	0.00
A_51_P144264	NM_008452	Klf2	16598	Kruppel-like factor 2 (lung)	4.00	10.11	0.00
A_51_P155873	XM_127272	Ppp1r3g	76487	protein phosphatase 1, regulatory (inhibitor) subunit 3G	3.10	10.01	0.00
A_51_P319460	NM_011019	Osmr	18414	oncostatin M receptor	7.28	9.95	0.00
A_51_P412835	NM_007829	Daxx	13163	Fas death domain-associated protein	6.92	9.91	0.00
A_51_P149714	NM_026835	Ms4a6d	68774	membrane-spanning 4-domains, subfamily A, member 6D	5.31	9.89	0.00
A_51_P238354	NM_019549	Plek	56193	pleckstrin	5.90	9.88	0.00
A_52_P666646	NM_178682	4933426M	217684	RIKEN cDNA 4933426M11 gene	7.28	9.84	0.00
A_51_P166941	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	6.28	9.84	0.00
A_51_P462299	NM_181732	Aida	108909	axin interactor, dorsalization associated	6.89	9.78	0.00
A_52_P297062	NM_010727	Ln timer	16924	ligand of numb-protein X 1	2.76	9.75	0.00
A_51_P401907	AK089257	Gm5483	433016	predicted gene 5483	5.06	9.74	0.00
A_51_P265571	NM_009627	Adm	11535	adrenomedullin	6.72	9.70	0.00
A_52_P193657	NM_175026	Pyhin1	236312	pyrin and HIN domain family, member 1	4.47	9.68	0.00
A_52_P176391	NM_008301	Hspa2	15512	heat shock protein 2	4.78	9.67	0.00
A_52_P183181	NM_001038	Adar	56417	adenosine deaminase, RNA-specific	6.31	9.67	0.00
A_52_P553786	NA	NA	NA	NA	4.82	9.64	0.00
A_51_P421876	NM_016850	Irf7	54123	interferon regulatory factor 7	5.69	9.62	0.00
A_51_P427383	BC031151	Samd9l	209086	sterile alpha motif domain containing 9-like	4.87	9.62	0.00
A_51_P447545	NM_008341	Igfbp1	16006	insulin-like growth factor binding protein 1	3.97	9.52	0.00
A_51_P354126	NM_011260	Reg3g	19695	regenerating islet-derived 3 gamma	4.09	9.50	0.00
A_52_P84037	AK033206	Socs2	216233	suppressor of cytokine signaling 2	7.76	9.48	0.00
A_52_P306305	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	5.80	9.39	0.00
A_52_P678833	AK152160	Dcp2	70640	DCP2 decapping enzyme homolog (<i>S. cerevisiae</i>)	7.14	9.36	0.00
A_51_P434301	NM_026656	Mcoln2	68279	mucolipin 2	7.22	9.30	0.00

A_51_P325914	NM_010591	Jun	16476	Jun oncogene	6.04	9.28	0.00
A_51_P210956	NM_011693	Vcam1	22329	vascular cell adhesion molecule 1	6.46	9.28	0.00
A_52_P97680	NM_001039	Parp14	547253	poly (ADP-ribose) polymerase family, member 14	6.65	9.27	0.00
A_52_P363951	NM_011580	Thbs1	21825	thrombospondin 1	4.37	9.22	0.00
A_52_P635388	AB026047	Ms4a6d	68774	membrane-spanning 4-domains, subfamily A, member 6D	4.73	9.19	0.00
A_51_P416295	NM_019440	Irgm2	54396	immunity-related GTPase family M member 2	6.61	9.14	0.00
A_51_P384831	NM_134164	Syt12	171180	synaptotagmin XII	4.07	9.05	0.00
A_52_P269384	NM_178065	1110018G07	68497	RIKEN cDNA 1110018G07 gene	6.22	9.05	0.00
A_51_P228768	NM_011409	Slnf3	20557	schlafen 3	4.45	9.04	0.00
A_52_P188827	NM_181318	Rasgef1b	320292	RasGEF domain family, member 1B	4.73	9.01	0.00
A_51_P238357	NM_019549	Plek	56193	pleckstrin	5.73	8.99	0.00
A_51_P112405	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor	4.87	8.96	0.00
A_52_P248403	NA	NA	NA	NA	6.03	8.96	0.00
A_51_P454873	NM_023456	Npy	109648	neuropeptide Y	6.98	8.94	0.00
A_52_P601148	NM_175116	Lpar6	67168	lysophosphatidic acid receptor 6	6.08	8.93	0.00
A_51_P473953	XM_887737	NA	NA	NA	5.43	8.92	0.00
A_51_P475156	XM_204030	Rnf19b	75234	ring finger protein 19B	6.58	8.89	0.00
A_51_P513062	NM_175327	B630019K06	102941	RIKEN cDNA B630019K06 gene	7.30	8.89	0.00
A_52_P23308	NM_027482	5730508B09	70617	RIKEN cDNA 5730508B09 gene	5.74	8.87	0.00
A_51_P204080	NM_013820	Hk2	15277	hexokinase 2	5.62	8.84	0.00
A_51_P160754	NM_031159	Apobec1	11810	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	5.52	8.83	0.00
A_51_P202633	NM_015766	Ebi3	50498	Epstein-Barr virus induced gene 3	5.49	8.83	0.00
A_52_P80944	NM_011756	Zfp36	22695	zinc finger protein 36	4.38	8.82	0.00
A_52_P550173	NM_013730	Slamf1	27218	signaling lymphocytic activation molecule family member 1	4.56	8.79	0.00
A_51_P159803	NM_032002	Nrg4	83961	neuregulin 4	5.20	8.74	0.00
A_52_P556111	NM_178682	4933426M11	217684	RIKEN cDNA 4933426M11 gene	6.04	8.74	0.00
A_51_P115005	NM_010104	Edn1	13614	endothelin 1	5.21	8.74	0.00
A_51_P428529	NM_033541	Oas1c	114643	2'-5' oligoadenylate synthetase 1C	5.91	8.70	0.00
A_51_P112355	NM_018738	Igtp	16145	interferon gamma induced GTPase	5.27	8.69	0.00
A_51_P363947	NM_007669	Cdkn1a	12575	cyclin-dependent kinase inhibitor 1A (P21)	4.34	8.57	0.00

A_51_P177744	NM_028864	Zc3hav1	78781	zinc finger CCCH type, antiviral 1	6.37	8.57	0.00
A_52_P323111	AK136463	Lass6	241447	LAG1 homolog, ceramide synthase 6	4.89	8.55	0.00
A_52_P217875	NM_008211	H3f3b	15081	H3 histone, family 3B	6.22	8.53	0.00
A_51_P490456	NM_178373	Cidec	14311	cell death-inducing DFFA-like effector c	3.89	8.51	0.00
A_51_P345393	NM_007987	Fas	14102	Fas (TNF receptor superfamily member 6)	6.97	8.50	0.00
A_52_P599964	XM_136331	Gm4955	240921	predicted gene 4955	4.13	8.50	0.00
A_51_P154842	NM_145153	Oas1f	243262	2'-5' oligoadenylate synthetase 1F	4.13	8.49	0.00
A_52_P429609	NM_144539	Slamf7	75345	SLAM family member 7	3.80	8.48	0.00
A_51_P263246	NM_008748	Dusp8	18218	dual specificity phosphatase 8	5.08	8.39	0.00
A_51_P127681	NM_013885	Clic4	29876	chloride intracellular channel 4 (mitochondrial)	5.30	8.38	0.00
A_52_P542540	AK041599	Stat1	20846	signal transducer and activator of transcription 1	6.65	8.37	0.00
A_51_P513568	AK017897	Stx11	74732	syntaxin 11	6.04	8.30	0.00
A_52_P98625	XM_884335	Ankrd57	268301	ankyrin repeat domain 57	6.08	8.30	0.00
A_52_P121468	NM_027835	Ifih1	71586	interferon induced with helicase C domain 1	5.04	8.27	0.00
A_52_P89567	NM_007483	Rhob	11852	ras homolog gene family, member B	4.94	8.21	0.00
A_51_P362531	NM_144835	Heatr1	217995	HEAT repeat containing 1 avian reticuloendotheliosis viral (v-rel) oncogene related	6.53	8.20	0.00
A_51_P389751	NM_009046	Relb	19698	B	6.23	8.15	0.00
A_51_P306017	NM_007865	Dll1	13388	delta-like 1 (Drosophila)	6.24	8.12	0.00
A_52_P297332	NM_145626	NA	NA	NA	5.16	8.09	0.00
A_52_P282762	NM_010851	Myd88	17874	myeloid differentiation primary response gene 88	5.97	8.09	0.00
A_51_P202745	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	5.37	8.08	0.00
A_51_P480290	AK010559	Casz1	69743	castor homolog 1, zinc finger (Drosophila)	4.91	8.08	0.00
A_52_P400436	NM_025367	Sphk1	20698	sphingosine kinase 1	5.15	8.07	0.00
A_52_P398554	NA	NA	NA	NA	5.30	8.07	0.00
A_52_P179785	NM_138952	Ripk2	192656	receptor (TNFRSF)-interacting serine-threonine kinase 2	5.26	8.03	0.00
A_52_P675857	NA	NA	NA	NA	2.32	8.02	0.01
A_52_P577484	NM_011448	Sox9	20682	SRY-box containing gene 9	4.31	8.02	0.00
A_52_P1020860	AK153119	AW112010	107350	expressed sequence AW112010	6.61	8.01	0.00
A_51_P458262	NM_011888	Ccl19	24047	chemokine (C-C motif) ligand 19	5.31	7.98	0.00
A_51_P427563	NM_025815	Cpne8	66871	copine VIII	4.25	7.98	0.00
A_51_P375201	NM_013807	Plk3	12795	polo-like kinase 3 (Drosophila)	4.23	7.97	0.00

A_52_P310040	AK220437	BC016423	105203	cDNA sequence BC016423	5.28	7.94	0.00
A_52_P184257	NM_027399	Steap1	70358	six transmembrane epithelial antigen of the prostate 1	5.76	7.93	0.00
A_51_P253074	NM_027979	Chit1	71884	chitinase 1 (chitotriosidase)	6.46	7.93	0.00
A_52_P249965	NM_011723	Xdh	22436	xanthine dehydrogenase	5.98	7.91	0.00
A_51_P155643	NM_016740	S100a11	20195	S100 calcium binding protein A11 (calgizzarin)	5.05	7.88	0.00
A_51_P413359	NM_183201	Slfn5	327978	schlafen 5	5.05	7.87	0.00
A_51_P389885	NM_011461	Spic	20728	Spi-C transcription factor (Spi-1/PU.1 related)	4.24	7.86	0.00
A_51_P102096	NM_010849	Myc	17869	myelocytomatosis oncogene	4.84	7.86	0.00
A_51_P388607	NM_010751	Mxd1	17119	MAX dimerization protein 1	6.95	7.85	0.00
A_52_P361323	NM_011461	Spic	20728	Spi-C transcription factor (Spi-1/PU.1 related)	4.31	7.81	0.00
A_52_P1093529	NM_177320	Pik3r5	320207	phosphoinositide-3-kinase, regulatory subunit 5, p101	6.06	7.78	0.00
A_51_P422257	NM_010131	Emx1	13796	empty spiracles homolog 1 (Drosophila)	3.60	7.78	0.00
A_52_P223809	NM_030150	Dhx58	80861	DEXH (Asp-Glu-X-His) box polypeptide 58	5.16	7.74	0.00
A_52_P563825	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	5.33	7.69	0.00
A_52_P337357	NM_145211	Oas1a	246730	2'-5' oligoadenylate synthetase 1A	3.99	7.69	0.00
A_52_P161488	NM_019948	Clec4e	56619	C-type lectin domain family 4, member e	4.97	7.67	0.00
A_51_P464064	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	6.27	7.66	0.00
A_52_P249514	NM_011331	Ccl12	20293	chemokine (C-C motif) ligand 12	5.39	7.66	0.00
A_52_P256844	NM_019442	Stk19	54402	serine/threonine kinase 19	4.90	7.65	0.00
A_52_P140663	NM_026579	D10Wsu10	28109	DNA segment, Chr 10, Wayne State University 102, expressed	4.41	7.64	0.00
A_52_P260145	XM_978721	NA	NA	NA	5.05	7.62	0.00
A_52_P49321	AK078802	Adamts9	101401	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	5.23	7.62	0.00
A_52_P228621	NM_011610	Tnfrsf1b	21938	tumor necrosis factor receptor superfamily, member 1b	5.41	7.62	0.00
A_52_P65237	NM_145356	Zbtb7c	207259	zinc finger and BTB domain containing 7C	5.33	7.59	0.00
A_51_P195506	NM_007778	Csf1	12977	colony stimulating factor 1 (macrophage)	6.09	7.54	0.00
A_52_P63343	NM_001033	Gm129	229599	predicted gene 129	4.47	7.50	0.00
A_51_P114616	NM_016767	Batf	53314	basic leucine zipper transcription factor, ATF-like	5.49	7.50	0.00

A_51_P245796	NM_029083	Ddit4	74747	DNA-damage-inducible transcript 4	3.91	7.49	0.00
A_51_P382152	NM_011171	Procr	19124	protein C receptor, endothelial	4.69	7.49	0.00
A_51_P458384	NM_175121	Slc38a2	67760	solute carrier family 38, member 2	4.09	7.49	0.00
A_52_P231610	NM_028864	Zc3hav1	78781	zinc finger CCCH type, antiviral 1	7.60	7.46	0.00
A_52_P383653	NM_001033	Cpne8	66871	copine VIII	4.58	7.46	0.00
A_51_P154987	NM_022409	Zfp296	63872	zinc finger protein 296	5.75	7.44	0.00
A_51_P502203	AK035099	Asap3	230837	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3	5.67	7.44	0.00
A_51_P234728	NM_175116	Lpar6	67168	lysophosphatidic acid receptor 6	5.50	7.39	0.00
A_52_P947137	AK039992	Rnd1	223881	Rho family GTPase 1	6.18	7.38	0.00
A_52_P244463	AK033828	D16Ertd47	67102	DNA segment, Chr 16, ERATO Doi 472, expressed	6.90	7.37	0.00
A_52_P826021	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	5.18	7.36	0.00
A_51_P449171	NM_007464	Birc3	11796	baculoviral IAP repeat-containing 3	6.81	7.36	0.00
A_51_P284442	NM_026739	9530077C0	68283	RIKEN cDNA 9530077C05 gene	4.33	7.35	0.00
A_51_P103320	AK173162	Jmjd1c	108829	jumonji domain containing 1C	4.98	7.34	0.00
A_52_P981697	NM_177712	Zfp874	238692	zinc finger protein 874	3.04	7.31	0.00
A_52_P544540	AK220437	BC016423	105203	cDNA sequence BC016423	5.16	7.30	0.00
A_52_P597800	NM_007961	Etv6	14011	ets variant gene 6 (TEL oncogene)	7.22	7.24	0.00
A_52_P301935	NM_001033	Il20rb	213208	interleukin 20 receptor beta	4.66	7.23	0.00
A_52_P394767	NM_173761	Ythdf1	228994	YTH domain family 1	6.28	7.23	0.00
A_52_P371154	NM_144792	Sgms1	208449	sphingomyelin synthase 1	4.60	7.22	0.00
A_51_P164667	NM_008211	H3f3b	15081	H3 histone, family 3B	5.87	7.21	0.00
A_52_P108346	NM_010849	Myc	17869	myelocytomatosis oncogene	4.21	7.18	0.00
A_51_P217218	NM_031168	Il6	16193	interleukin 6	4.59	7.12	0.00
A_52_P393488	NM_029499	Ms4a4c	64380	membrane-spanning 4-domains, subfamily A, member 4C	4.93	7.11	0.00
A_51_P310773	BC004022	N4bp1	80750	NEDD4 binding protein 1	6.30	7.11	0.00
A_52_P61786	NM_008211	H3f3b	15081	H3 histone, family 3B	5.67	7.11	0.00
A_52_P31543	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative	3.41	7.06	0.00
A_51_P128526	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	5.09	7.06	0.00
A_51_P233797	NM_009626	Adh7	11529	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	3.68	7.06	0.00
A_52_P100926	NM_010554	Il1a	16175	interleukin 1 alpha	4.13	7.04	0.00

A_52_P77837	NM_026004	Nt5c3	107569	5'-nucleotidase, cytosolic III	5.38	7.03	0.00
A_52_P587378	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	3.86	7.02	0.00
A_51_P359462	NM_178216	Hist2h3c1	15077	histone cluster 2, H3c1	5.37	7.00	0.00
A_51_P421958	NM_144792	Sgms1	208449	sphingomyelin synthase 1	4.93	6.99	0.00
A_51_P370975	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	5.91	6.98	0.00
A_51_P492488	NM_178204	Hist1h3d	319149	histone cluster 1, H3d	4.96	6.98	0.00
A_51_P155052	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1 transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	5.04	6.97	0.00
A_51_P100327	NM_013683	Tap1	21354	(MDR/TAP)	6.17	6.95	0.00
A_52_P594756	NM_023048	Asb4	65255	ankyrin repeat and SOCS box-containing 4	5.83	6.95	0.00
A_51_P383032	NM_010819	Clec4d	17474	C-type lectin domain family 4, member d	5.45	6.94	0.00
A_52_P496726	NM_009026	Rasd1	19416	RAS, dexamethasone-induced 1	5.48	6.92	0.00
A_52_P299771	NM_007535	Bcl2a1c	12046	B-cell leukemia/lymphoma 2 related protein A1c	5.61	6.91	0.00
A_51_P327261	NM_021327	Tnip1	57783	TNFAIP3 interacting protein 1	5.53	6.90	0.00
A_52_P103628	NA	NA	NA	NA	4.19	6.88	0.00
A_52_P608322	NM_010755	Maff	17133	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	4.64	6.88	0.00
A_52_P402885	AK009002	Inpp1	16329	inositol polyphosphate-1-phosphatase	4.67	6.85	0.00
A_52_P672689	NM_007568	Btc	12223	betacellulin, epidermal growth factor family member	5.15	6.81	0.00
A_52_P576230	NM_001004	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	5.83	6.80	0.00
A_51_P159201	NM_008416	Junb	16477	Jun-B oncogene	4.47	6.79	0.00
A_51_P285462	NM_146276	Olf1394	258273	olfactory receptor 1394	6.30	6.79	0.00
A_51_P420489	NM_134246	Acot3	171281	acyl-CoA thioesterase 3	2.25	6.78	0.01
A_51_P367866	NM_007913	Egr1	13653	early growth response 1	3.82	6.77	0.00
A_52_P460393	NM_146232	BC014805	236149	cDNA sequence BC014805	4.74	6.77	0.00
A_52_P644273	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	5.44	6.75	0.00
A_51_P312121	NM_011723	Xdh	22436	xanthine dehydrogenase	6.02	6.74	0.00
A_51_P381821	NM_008046	Fst	14313	follistatin	3.30	6.70	0.00
A_51_P122321	NM_133775	Il33	77125	interleukin 33	4.20	6.69	0.00
A_52_P616332	NM_153389	Atp10d	231287	ATPase, class V, type 10D	2.39	6.67	0.01
A_52_P127358	NM_007961	Etv6	14011	ets variant gene 6 (TEL oncogene)	6.15	6.67	0.00

A_52_P510790	NA	NA	NA	NA	5.17	6.65	0.00
A_52_P471812	XM_0010041	NA	NA	NA	4.54	6.65	0.00
A_52_P646979	NM_025967	D16Ertd47:	67102	DNA segment, Chr 16, ERATO Doi 472, expressed CLP1, cleavage and polyadenylation factor I subunit,	5.95	6.64	0.00
A_51_P407193	NM_133840	Clp1	98985	homolog (<i>S. cerevisiae</i>)	5.83	6.63	0.00
A_51_P317512	AK162420	5730508B0	70617	RIKEN cDNA 5730508B09 gene solute carrier family 15 (H+/peptide transporter),	5.58	6.61	0.00
A_51_P267278	NM_021301	Slc15a2	57738	member 2	3.09	6.59	0.00
A_51_P483231	NM_008413	Jak2	16452	Janus kinase 2	3.90	6.58	0.00
A_52_P35801	NM_010807	Marcks1	17357	MARCKS-like 1	4.56	6.54	0.00
A_51_P469188	NM_175472	Zcchc11	230594	zinc finger, CCHC domain containing 11	4.39	6.53	0.00
A_51_P136542	NM_033601	Bcl3	12051	B-cell leukemia/lymphoma 3	4.45	6.52	0.00
A_51_P453149	NM_008301	Hspa2	15512	heat shock protein 2	4.46	6.52	0.00
A_51_P488890	NM_013632	Pnp1	18950	purine-nucleoside phosphorylase 1	3.79	6.49	0.00
A_51_P306031	NA	NA	NA	NA	5.89	6.49	0.00
A_51_P182796	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	4.35	6.49	0.00
A_52_P602018	BQ963610	Tor1aip1	208263	torsin A interacting protein 1 human immunodeficiency virus type I enhancer binding	5.48	6.49	0.00
A_51_P443754	NM_010437	Hivep2	15273	protein 2	6.15	6.41	0.00
A_51_P407989	NM_029508	Pcgf5	76073	polycomb group ring finger 5	5.72	6.40	0.00
A_51_P207934	NM_199016	Enpp4	224794	ectonucleotide pyrophosphatase/phosphodiesterase 4	5.23	6.40	0.00
A_51_P512384	NM_001044:	Timp1	21857	tissue inhibitor of metalloproteinase 1	5.33	6.39	0.00
A_52_P676686	NM_175121	Slc38a2	67760	solute carrier family 38, member 2	5.59	6.39	0.00
A_52_P354306	NM_028730	Pex26	74043	peroxisomal biogenesis factor 26	4.47	6.34	0.00
A_51_P350453	NM_013743	Pdk4	27273	pyruvate dehydrogenase kinase, isoenzyme 4	2.09	6.34	0.03
A_52_P947847	AK041062	Gm4951	240327	predicted gene 4951	5.78	6.34	0.00
A_52_P467389	NM_023044	Slc15a3	65221	solute carrier family 15, member 3	4.94	6.34	0.00
A_51_P411917	NM_010258	Gata6	14465	GATA binding protein 6	5.25	6.34	0.00
A_52_P512201	NM_175397	Sp110	109032	Sp110 nuclear body protein	4.69	6.34	0.00
A_52_P427640	XR_002113	EG667984	667984	predicted gene, EG667984 nuclear factor of kappa light polypeptide gene enhancer	3.52	6.33	0.00
A_51_P454217	NM_019408	Nfkb2	18034	in B-cells 2, p49/p100	6.49	6.33	0.00
A_52_P479389	NM_177861	Tmem67	329795	transmembrane protein 67	4.31	6.33	0.00

A_51_P514319	NM_172892	Slc13a4	243755	solute carrier family 13 (sodium/sulfate symporters), member 4	5.85	6.32	0.00
A_52_P462071	NM_178798	Slc7a6	330836	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	4.48	6.31	0.00
A_51_P440568	NM_019442	Stk19	54402	serine/threonine kinase 19	4.41	6.31	0.00
A_51_P277994	NM_145227	Oas2	246728	2'-5' oligoadenylate synthetase 2	3.86	6.30	0.00
A_51_P303332	BC020137	Mitd1	69028	MIT, microtubule interacting and transport, domain containing 1	5.50	6.30	0.00
A_51_P490867	NM_199016	Enpp4	224794	ectonucleotide pyrophosphatase/phosphodiesterase 4	5.14	6.28	0.00
A_52_P686785	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1	3.79	6.27	0.00
A_52_P429450	NM_008694	Ngp	18054	neutrophilic granule protein	4.14	6.27	0.00
A_52_P520495	NM_011693	Vcam1	22329	vascular cell adhesion molecule 1	5.46	6.25	0.00
A_52_P161762	NM_181411	Aftph	216549	aftiphilin	5.30	6.24	0.00
A_52_P654161	NM_009546	Trim25	217069	tripartite motif-containing 25	4.65	6.24	0.00
A_52_P50529	BC116253	Nlrp12	378425	NLR family, pyrin domain containing 12	3.15	6.24	0.00
A_51_P503162	NM_011803	Klf6	23849	Kruppel-like factor 6	5.16	6.24	0.00
A_52_P382040	NM_175472	Zcchc11	230594	zinc finger, CCHC domain containing 11	4.72	6.22	0.00
A_51_P144052	BC035551	Aim1	11630	absent in melanoma 1	5.45	6.21	0.00
A_52_P666442	XR_001627	Gm8995	668139	predicted gene 8995	5.41	6.20	0.00
A_51_P156857	NM_134133	2010002N04	106878	RIKEN cDNA 2010002N04 gene	5.68	6.18	0.00
A_52_P229943	NM_178933	Ostb	330962	organic solute transporter beta	4.30	6.17	0.00
A_51_P223686	NM_008505	Lmo2	16909	LIM domain only 2	4.48	6.17	0.00
A_52_P254607	NM_019442	Stk19	54402	serine/threonine kinase 19	4.68	6.17	0.00
A_51_P499698	BC057938	Asprv1	67855	aspartic peptidase, retroviral-like 1	5.88	6.16	0.00
A_52_P35895	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	6.19	6.15	0.00
A_51_P193019	NM_011157	Srgn	19073	serglycin	4.17	6.14	0.00
A_51_P409101	AK006216	Cdhr4	69398	cadherin-related family member 4	3.55	6.13	0.00
A_51_P222936	AK080318	Fmnl2	71409	formin-like 2	5.42	6.12	0.00
A_51_P170651	S79463	Sema4c	20353	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	6.05	6.12	0.00
A_51_P412732	NM_025967	D16Ertd47	67102	DNA segment, Chr 16, ERATO Doi 472, expressed	3.98	6.11	0.00

A_51_P446232	NM_019813	Dbn1	56320	drebrin 1	5.58	6.11	0.00
A_51_P225665	NM_010784	Mdk	17242	midkine	4.14	6.10	0.00
A_51_P383689	NM_010220	Fkbp5	14229	FK506 binding protein 5	5.56	6.07	0.00
A_51_P512379	NA	NA	NA	NA	4.73	6.07	0.00
A_51_P118637	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	3.88	6.05	0.00
A_51_P361448	NM_028903	Scara5	71145	scavenger receptor class A, member 5 (putative)	3.59	6.04	0.00
A_51_P326015	NM_153287	Csrnp1	215418	cysteine-serine-rich nuclear protein 1	4.78	6.03	0.00
A_51_P387810	NM_027835	Ifih1	71586	interferon induced with helicase C domain 1	5.82	6.02	0.00
A_51_P241457	NM_013532	Lilrb4	14728	leukocyte immunoglobulin-like receptor, subfamily B, member 4	4.17	6.02	0.00
A_51_P451346	NM_011803	Klf6	23849	Kruppel-like factor 6	4.70	6.02	0.00
A_52_P354823	NM_008320	Irf8	15900	interferon regulatory factor 8	5.61	6.01	0.00
A_51_P417854	NM_011227	Rab20	19332	RAB20, member RAS oncogene family	3.81	6.00	0.00
A_52_P117352	NM_008120	Gja4	14612	gap junction protein, alpha 4	5.25	5.96	0.00
A_52_P371922	XM_988404	NA	NA	NA	5.38	5.95	0.00
A_51_P342688	NM_010583	Itk	16428	IL2-inducible T-cell kinase	2.51	5.94	0.00
A_51_P482990	NM_145996	Arid5a	214855	AT rich interactive domain 5A (MRF1-like)	5.20	5.90	0.00
A_51_P313185	NM_172571	Fbf1	217335	Fas (TNFRSF6) binding factor 1	3.69	5.90	0.00
A_52_P851862	AK080781	NA	NA	NA	4.04	5.90	0.00
A_52_P286511	NM_021352	Crybb3	12962	crystallin, beta B3	3.37	5.89	0.00
A_52_P500027	NM_017373	Nfil3	18030	nuclear factor, interleukin 3, regulated	2.68	5.89	0.00
A_52_P476950	AK171679	Ncoa7	211329	nuclear receptor coactivator 7	4.47	5.89	0.00
A_51_P166818	NM_030243	Rbm43	71684	RNA binding motif protein 43	4.42	5.87	0.00
A_52_P748533	BX529199	NA	NA	NA	4.23	5.86	0.00
A_51_P296448	NM_007610	Casp2	12366	caspase 2	5.73	5.86	0.00
A_51_P282983	NM_144808	Slc39a14	213053	solute carrier family 39 (zinc transporter), member 14	4.12	5.85	0.00
A_51_P475155	AK015966	Rnf19b	75234	ring finger protein 19B	4.57	5.82	0.00
A_51_P255360	NM_026004	Nt5c3	107569	5'-nucleotidase, cytosolic III	5.28	5.82	0.00
A_51_P182794	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	4.06	5.81	0.00
A_51_P167489	XM_140451	Lama3	16774	laminin, alpha 3	3.84	5.80	0.00
A_51_P222280	NM_019777	Ikbke	56489	inhibitor of kappaB kinase epsilon	4.94	5.80	0.00
A_51_P352594	NM_001001	St5	76954	suppression of tumorigenicity 5	4.07	5.79	0.00
A_52_P259817	NM_029692	Upp2	76654	uridine phosphorylase 2	3.72	5.79	0.00

A_52_P650553	NM_001039	Coq10b	67876	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	3.47	5.79	0.00
A_51_P393748	NM_172689	Ddx58	230073	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	4.44	5.77	0.00
A_51_P226472	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	4.80	5.77	0.00
A_51_P300717	NM_009295	Stxbp1	20910	syntaxin binding protein 1	4.26	5.76	0.00
A_51_P485756	NM_024435	Nts	67405	neurotensin	3.36	5.76	0.00
A_52_P412465	NM_007520	Bach1	12013	BTB and CNC homology 1	3.51	5.75	0.00
A_51_P169850	NM_019786	Tbk1	56480	TANK-binding kinase 1	4.22	5.75	0.00
A_52_P658122	NM_011809	Ets2	23872	E26 avian leukemia oncogene 2, 3' domain	4.43	5.75	0.00
A_51_P173043	NM_010118	Egr2	13654	early growth response 2	2.57	5.75	0.00
A_52_P532029	NM_019786	Tbk1	56480	TANK-binding kinase 1	4.28	5.74	0.00
A_52_P131423	AK007371	Mbd1	17190	methyl-CpG binding domain protein 1	3.63	5.74	0.00
A_52_P616392	NM_183426	Sbno2	216161	strawberry notch homolog 2 (<i>Drosophila</i>) serine (or cysteine) peptidase inhibitor, clade A,	5.69	5.73	0.00
A_51_P159453	NM_009252	Serpina3n	20716	member 3N	3.81	5.73	0.00
A_51_P444290	NM_029084	Slamf8	74748	SLAM family member 8	3.61	5.70	0.00
A_52_P486964	NA	NA	NA	NA	1.66	5.70	0.20
A_52_P614888	NM_022028	Sav1	64010	salvador homolog 1 (<i>Drosophila</i>)	6.22	5.69	0.00
A_51_P493857	NM_011835	Katna1	23924	katanin p60 (ATPase-containing) subunit A1	4.25	5.68	0.00
A_51_P214747	NM_172893	Parp12	243771	poly (ADP-ribose) polymerase family, member 12	3.96	5.68	0.00
A_52_P437421	NM_028472	Bmper	73230	BMP-binding endothelial regulator	4.73	5.68	0.00
A_52_P590474	NM_019937	Ccnl1	56706	cyclin L1	4.77	5.64	0.00
A_52_P678281	NM_175472	Zcchc11	230594	zinc finger, CCHC domain containing 11	5.87	5.64	0.00
A_52_P109378	NM_008039	Fpr2	14289	formyl peptide receptor 2	4.95	5.64	0.00
A_52_P636742	NM_175136	Rnf122	68867	ring finger protein 122	6.01	5.63	0.00
A_51_P291417	NM_009378	Thbd	21824	thrombomodulin	2.84	5.62	0.00
A_52_P422494	NM_145634	Cd300lf	246746	CD300 antigen like family member F	4.34	5.60	0.00
A_51_P131442	NM_013874	Dpf1	29861	D4, zinc and double PHD fingers family 1	1.41	5.60	0.61
A_52_P366525	NM_001039	Coq10b	67876	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	5.24	5.57	0.00
A_51_P438283	NM_010554	Il1a	16175	interleukin 1 alpha	3.60	5.57	0.00
A_51_P477046	NM_011903	Tlk2	24086	tousled-like kinase 2 (<i>Arabidopsis</i>)	3.91	5.57	0.00
A_51_P199199	NM_031376	Pik3ap1	83490	phosphoinositide-3-kinase adaptor protein 1	3.77	5.56	0.00
A_51_P414412	NM_172275	Trafd1	231712	TRAF type zinc finger domain containing 1	5.37	5.56	0.00
A_52_P641597	NM_145931	Zc3h7a	106205	zinc finger CCCH type containing 7 A	3.95	5.55	0.00

A_52_P136316	AK128954	Samhd1	56045	SAM domain and HD domain, 1	4.09	5.55	0.00
A_52_P206925	NM_177460	Parp16	214424	poly (ADP-ribose) polymerase family, member 16	3.96	5.54	0.00
A_52_P619820	NM_001033	Pnrc1	108767	proline-rich nuclear receptor coactivator 1	3.97	5.53	0.00
A_52_P530291	NM_008842	Pim1	18712	proviral integration site 1	4.95	5.53	0.00
A_51_P114314	AK017419	5530400B0	71434	RIKEN cDNA 5530400B01 gene	4.24	5.53	0.00
A_51_P314547	AK019935	NA	NA	NA	5.72	5.51	0.00
A_51_P309158	NM_027840	Snx20	71607	sorting nexin 20	3.36	5.50	0.00
A_51_P486660	NM_172275	Trafd1	231712	TRAF type zinc finger domain containing 1	5.31	5.49	0.00
A_51_P378789	NM_018866	Cxcl13	55985	chemokine (C-X-C motif) ligand 13	5.27	5.47	0.00
A_51_P113137	NM_007920	Elf1	13709	E74-like factor 1	4.81	5.46	0.00
A_51_P319917	NM_007403	Adam8	11501	a disintegrin and metallopeptidase domain 8	3.14	5.46	0.00
A_52_P636830	NM_011816	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	5.07	5.46	0.00
A_51_P255765	NM_001039	Coq10b	67876	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	5.36	5.45	0.00
A_52_P26161	NM_008987	Ptx3	19288	pentraxin related gene	3.39	5.42	0.00
A_51_P260683	NM_015811	Rgs1	50778	regulator of G-protein signaling 1	3.03	5.41	0.00
A_51_P374646	AK050573	NA	NA	NA	4.05	5.41	0.00
A_51_P218984	NM_030253	Parp9	80285	poly (ADP-ribose) polymerase family, member 9	5.09	5.40	0.00
A_51_P448741	NM_009425	Tnfsf10	22035	tumor necrosis factor (ligand) superfamily, member 10	4.31	5.40	0.00
A_52_P214630	NM_011448	Sox9	20682	SRY-box containing gene 9	3.86	5.38	0.00
A_51_P234944	NM_172845	Adamts4	240913	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4	3.53	5.34	0.00
A_52_P254095	NM_010818	Cd200	17470	CD200 antigen	4.15	5.33	0.00
A_52_P373893	AK154578	Acvr1b	11479	activin A receptor, type 1B	5.00	5.32	0.00
A_51_P362483	BC053747	Slc43a1	72401	solute carrier family 43, member 1	4.14	5.31	0.00
A_51_P340200	NM_011816	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	5.08	5.31	0.00
A_51_P205209	NM_018729	Cd244	18106	CD244 natural killer cell receptor 2B4	3.59	5.29	0.00
A_51_P361650	NM_009117	Saa1	20208	serum amyloid A 1	2.68	5.27	0.00
A_51_P231320	NM_008611	Mmp8	17394	matrix metallopeptidase 8	4.72	5.26	0.00
A_52_P398925	NM_173869	Stfa2l1	268885	stefin A2 like 1	3.51	5.25	0.00

A_52_P656714	NM_008580	Map3k5	26408	mitogen-activated protein kinase kinase kinase 5	4.63	5.24	0.00
A_52_P451888	NM_011903	Tlk2	24086	tousled-like kinase 2 (Arabidopsis)	4.11	5.23	0.00
A_51_P270339	NM_031376	Pik3ap1	83490	phosphoinositide-3-kinase adaptor protein 1	3.85	5.22	0.00
A_52_P292596	AK006333	Exosc1	66583	exosome component 1	1.68	5.22	0.18
A_51_P158538	NM_011756	Zfp36	22695	zinc finger protein 36	3.94	5.21	0.00
A_51_P199135	NM_009856	Cd83	12522	CD83 antigen	4.22	5.19	0.00
A_51_P135340	NM_019482	Panx1	55991	pannexin 1	3.44	5.19	0.00
A_52_P228491	NM_001025	Lrig2	269473	leucine-rich repeats and immunoglobulin-like domains 2	4.94	5.18	0.00
A_51_P132185	NM_001001	BC117090	1E+08	cDNA sequence BC117090	3.27	5.17	0.00
A_52_P384621	NM_177725	Lrrc8a	241296	leucine rich repeat containing 8A	2.69	5.17	0.00
A_52_P484903	NM_008037	Fosl2	14284	fos-like antigen 2	5.02	5.16	0.00
A_52_P73385	AK086933	Fas	14102	Fas (TNF receptor superfamily member 6)	5.10	5.15	0.00
A_52_P176245	NM_010258	Gata6	14465	GATA binding protein 6	5.07	5.15	0.00
A_52_P220879	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	5.02	5.14	0.00
A_51_P240501	NM_026358	4930583H167749		RIKEN cDNA 4930583H14 gene apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	2.89	5.13	0.00
A_52_P55029	NM_031159	Apobec1	11810	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	4.80	5.12	0.00
A_51_P282508	NM_007484	Rhoc	11853	ras homolog gene family, member C	4.46	5.11	0.00
A_52_P222775	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	3.25	5.11	0.00
A_52_P1131540	AK046587	NA	NA	NA	3.79	5.11	0.00
A_51_P468240	AK169826	Dennd4a	102442	DENN/MADD domain containing 4A	3.64	5.11	0.00
A_51_P371750	NM_010766	Marco	17167	macrophage receptor with collagenous structure	2.49	5.10	0.00
A_52_P35217	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative	3.46	5.09	0.00
A_51_P190791	AK152160	Dcp2	70640	DCP2 decapping enzyme homolog (S. cerevisiae)	5.19	5.08	0.00
A_52_P563280	NM_001024	BC094916	545384	cDNA sequence BC094916	3.74	5.07	0.00
A_51_P476767	NM_010924	Nnmt	18113	nicotinamide N-methyltransferase	2.83	5.06	0.00
A_52_P624107	BC094938	Gm5039	266459	eukaryotic translation initiation factor 1A pseudogene	3.83	5.05	0.00
A_52_P291715	NM_175472	Zcchc11	230594	zinc finger, CCHC domain containing 11	4.98	5.04	0.00
A_52_P70255	NM_009283	Stat1	20846	signal transducer and activator of transcription 1	4.46	5.03	0.00
A_52_P247927	XM_901424	2810442I2:72735		RIKEN cDNA 2810442I21 gene	4.75	5.00	0.00
A_51_P286995	NM_025653	3110001I2:66598		RIKEN cDNA 3110001I22 gene	5.43	4.99	0.00
A_51_P343833	NM_009421	Traf1	22029	TNF receptor-associated factor 1	3.92	4.99	0.00

A_52_P556281	BC048176	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	4.95	4.99	0.00
A_51_P412160	NM_172572	Rhbdf2	217344	rhomboid 5 homolog 2 (Drosophila)	3.29	4.99	0.00
A_51_P169671	NM_011036	Reg3b	18489	regenerating islet-derived 3 beta	3.07	4.98	0.00
A_51_P162326	AK037062	9930105H1	100669	RIKEN cDNA 9930105H17 gene	2.73	4.98	0.00
A_52_P8922	NM_009229	Sntb2	20650	syntrophin, basic 2	4.15	4.98	0.00
A_52_P178151	NM_009320	Slc6a6	21366	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	4.99	4.98	0.00
A_51_P170807	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	3.45	4.97	0.00
A_51_P187253	NM_008320	Irf8	15900	interferon regulatory factor 8	4.75	4.96	0.00
A_52_P487686	NM_001001	BC117090	1E+08	cDNA sequence BC117090	3.07	4.93	0.00
A_52_P196476	AK148276	Slc11a2	18174	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	4.94	4.92	0.00
A_52_P382854	NM_172572	Rhbdf2	217344	rhomboid 5 homolog 2 (Drosophila)	3.59	4.92	0.00
A_51_P171883	NM_023245	Palmd	114301	palmdelphin	5.84	4.92	0.00
A_52_P538470	NM_144882	Spats2l	67198	spermatogenesis associated, serine-rich 2-like	2.10	4.91	0.02
A_52_P319552	XM_161350	1700024P1	242594	RIKEN cDNA 1700024P16 gene	4.26	4.91	0.00
A_52_P661071	NR_003270	Snhg3	399101	small nucleolar RNA host gene (non-protein coding) 3	2.11	4.90	0.02
A_51_P421140	NM_026473	Tubb6	67951	tubulin, beta 6	4.02	4.90	0.00
A_51_P280455	AB034730	Prg4	96875	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)	3.54	4.89	0.00
A_51_P316951	AK078889	Wipf3	330319	WAS/WASL interacting protein family, member 3	5.07	4.87	0.00
A_51_P219505	NM_177388	Slc41a2	338365	solute carrier family 41, member 2	3.04	4.87	0.00
A_51_P141288	NM_010693	Lck	16818	lymphocyte protein tyrosine kinase	3.12	4.86	0.00
A_52_P643165	BU531328	Samd4	74480	sterile alpha motif domain containing 4	4.94	4.84	0.00
A_52_P605846	NM_009883	Cebpb	12608	CCAAT/enhancer binding protein (C/EBP), beta	3.22	4.82	0.00
A_52_P337899	NM_010220	Fkbp5	14229	FK506 binding protein 5	4.73	4.81	0.00
A_51_P254471	NM_007465	Birc2	11797	baculoviral IAP repeat-containing 2	5.42	4.81	0.00
A_52_P463977	NM_197986	Tmem140	68487	transmembrane protein 140	4.42	4.80	0.00
A_52_P41292	XM_981337	LOC675366	675366	similar to mitogen activated protein kinase kinase 5	4.17	4.80	0.00
A_51_P286563	NM_010303	Gna13	14674	guanine nucleotide binding protein, alpha 13	3.68	4.80	0.00

A_51_P312795	NM_008428	Kcnj8	16523	potassium inwardly-rectifying channel, subfamily J, member 8	4.14	4.78	0.00
A_51_P134030	NM_145210	Oas1e	231699	2'-5' oligoadenylate synthetase 1E	4.42	4.72	0.00
A_51_P241705	NM_011201	Ptpn1	19246	protein tyrosine phosphatase, non-receptor type 1	5.17	4.72	0.00
A_51_P455807	NM_133838	Ehd4	98878	EH-domain containing 4	3.66	4.71	0.00
A_52_P332788	XM_001006	NA	NA	NA	4.75	4.69	0.00
A_51_P129199	BC024074	Parp10	671535	poly (ADP-ribose) polymerase family, member 10	4.81	4.69	0.00
A_52_P355139	NM_001034	Fam134b	66270	family with sequence similarity 134, member B	4.00	4.68	0.00
A_52_P198473	BG293250	NA	NA	NA	4.15	4.67	0.00
A_51_P505823	NM_028013	Endod1	71946	endonuclease domain containing 1	3.83	4.67	0.00
A_52_P127813	XM_136331	Gm4955	240921	predicted gene 4955	3.02	4.67	0.00
A_52_P1013432	NA	NA	NA	NA	4.01	4.67	0.00
A_51_P189746	NM_145478	Pim3	223775	proviral integration site 3	3.57	4.65	0.00
A_51_P215489	NM_153062	Slc37a1	224674	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	3.49	4.64	0.00
A_51_P374726	NM_008987	Ptx3	19288	pentraxin related gene	3.02	4.64	0.00
A_52_P423247	NM_019840	Pde4b	18578	phosphodiesterase 4B, cAMP specific	4.11	4.63	0.00
A_51_P464703	NM_021443	Ccl8	20307	chemokine (C-C motif) ligand 8	3.91	4.62	0.00
A_51_P501278	NM_139064	Tnip2	231130	TNFAIP3 interacting protein 2	4.42	4.61	0.00
A_51_P428578	NM_025459	Fam134b	66270	family with sequence similarity 134, member B	4.55	4.61	0.00
A_52_P70261	NM_009283	Stat1	20846	signal transducer and activator of transcription 1	3.80	4.61	0.00
A_51_P212977	NM_133954	AA960436	101985	expressed sequence AA960436	4.95	4.60	0.00
A_51_P431531	NM_001013	E2f8	108961	E2F transcription factor 8	3.56	4.60	0.00
A_52_P308875	AK049998	Apobec3	80287	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3	3.73	4.60	0.00
A_52_P553299	AK040647	Pcgf5	76073	polycomb group ring finger 5	4.05	4.59	0.00
A_52_P420216	BC004022	N4bp1	80750	NEDD4 binding protein 1	3.71	4.59	0.00
A_51_P111492	NM_017373	Nfil3	18030	nuclear factor, interleukin 3, regulated	4.39	4.59	0.00
A_51_P473633	AK035191	Tead1	21676	TEA domain family member 1	5.43	4.59	0.00
A_51_P470715	NM_009895	Cish	12700	cytokine inducible SH2-containing protein	3.05	4.59	0.00
A_51_P381427	NM_009529	Gm4836	22526	predicted gene 4836	4.59	4.58	0.00
A_51_P496751	NM_018868	Nop58	55989	NOP58 ribonucleoprotein homolog (yeast)	3.90	4.58	0.00

A_52_P278853	NM_030684	Trim34	94094	tripartite motif-containing 34	2.62	4.58	0.00
A_52_P417890	NM_010555	Il1r2	16178	interleukin 1 receptor, type II	4.35	4.57	0.00
A_52_P562612	AK082819	Srd5a1	78925	steroid 5 alpha-reductase 1	1.96	4.56	0.04
A_52_P15461	NM_008357	Il15	16168	interleukin 15	3.80	4.55	0.00
A_52_P925197	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative	3.34	4.55	0.00
A_52_P21837	AK030944	Ankrd57	268301	ankyrin repeat domain 57	4.36	4.55	0.00
A_51_P324110	NM_144808	Slc39a14	213053	solute carrier family 39 (zinc transporter), member 14	3.58	4.55	0.00
A_51_P351481	NM_019937	Ccnl1	56706	cyclin L1	4.18	4.54	0.00
A_51_P235123	NM_008690	Nfkbia	18037	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	3.50	4.54	0.00
A_52_P331911	NM_010120	Eif1a	13664	eukaryotic translation initiation factor 1A	3.72	4.54	0.00
A_51_P444954	NM_172953	Serpina5	268591	serine (or cysteine) peptidase inhibitor, clade A, member 5	4.38	4.53	0.00
A_51_P488888	NM_013632	Pnp1	18950	purine-nucleoside phosphorylase 1	5.14	4.53	0.00
A_51_P289912	XM_203999	Rapgef2	76089	Rap guanine nucleotide exchange factor (GEF) 2	4.32	4.51	0.00
A_52_P216600	NM_013514	Epb4.9	13829	erythrocyte protein band 4.9	2.59	4.51	0.00
A_52_P479001	NM_172689	Ddx58	230073	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	3.71	4.50	0.00
A_52_P247900	U42467	Lepr	16847	leptin receptor	4.11	4.50	0.00
A_52_P618852	AK139584	Eif1a	13664	eukaryotic translation initiation factor 1A	3.74	4.49	0.00
A_51_P418884	BC020078	Xdh	22436	xanthine dehydrogenase	2.74	4.49	0.00
A_52_P516021	BF165830	Ptpn1	19246	protein tyrosine phosphatase, non-receptor type 1	5.17	4.49	0.00
A_51_P398491	NM_021406	Trem1	58217	triggering receptor expressed on myeloid cells 1	4.10	4.49	0.00
A_51_P268843	NM_028544	Rasip1	69903	Ras interacting protein 1	4.92	4.49	0.00
A_52_P527741	NM_177371	Tnfsf15	326623	tumor necrosis factor (ligand) superfamily, member 15	4.62	4.49	0.00
A_51_P515883	NM_139198	Plac8	231507	placenta-specific 8	3.96	4.47	0.00
A_52_P570266	NM_013640	Psmb10	19171	proteasome (prosome, macropain) subunit, beta type 10	4.63	4.45	0.00
A_52_P197095	BC064815	Cdk17	237459	cyclin-dependent kinase 17	3.33	4.45	0.00
A_51_P352968	NM_008538	Marcks	17118	myristoylated alanine rich protein kinase C substrate	4.58	4.45	0.00

A_51_P283759	M57999	Nfkb1	18033	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105	5.40	4.44	0.00
A_51_P181517	NM_144559	Fcgr4	246256	Fc receptor, IgG, low affinity IV	3.52	4.44	0.00
A_52_P560113	NM_008199	H2-BI	14963	histocompatibility 2, blastocyst	2.85	4.43	0.00
A_51_P276993	NM_030720	Gpr84	80910	G protein-coupled receptor 84	4.55	4.42	0.00
A_52_P202895	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	3.74	4.42	0.00
A_51_P371190	NM_013917	Pttg1	30939	pituitary tumor-transforming gene 1	1.91	4.41	0.06
A_51_P211732	NM_008977	Ptpn2	19255	protein tyrosine phosphatase, non-receptor type 2	4.13	4.41	0.00
A_52_P444628	NM_007807	Cybb	13058	cytochrome b-245, beta polypeptide	4.13	4.41	0.00
A_51_P417074	NM_028455	Arhgap8	73167	Rho GTPase activating protein 8	4.11	4.38	0.00
A_52_P339996	NM_009320	Slc6a6	21366	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	4.79	4.37	0.00
A_51_P225761	AK031537	Zcchc6	214290	zinc finger, CCHC domain containing 6	4.69	4.37	0.00
A_51_P180423	NM_009921	Camp	12796	cathelicidin antimicrobial peptide	3.86	4.37	0.00
A_51_P193146	NM_028595	Ms4a6c	73656	membrane-spanning 4-domains, subfamily A, member 6C	4.04	4.36	0.00
A_52_P76216	NM_001033	Fam59a	381126	family with sequence similarity 59, member A	4.50	4.35	0.00
A_52_P652094	NM_022028	Sav1	64010	salvador homolog 1 (Drosophila)	5.03	4.35	0.00
A_52_P535195	AK139506	Gbbp1l1	77110	GC-rich promoter binding protein 1-like 1	4.23	4.34	0.00
A_51_P233160	NM_027309	Lysmd2	70082	LysM, putative peptidoglycan-binding, domain containing 2	3.74	4.34	0.00
A_52_P585652	NM_173182	Fndc3b	72007	fibronectin type III domain containing 3B	2.86	4.34	0.00
A_51_P146103	NM_008390	Irf1	16362	interferon regulatory factor 1	3.62	4.33	0.00
A_51_P282799	NM_008884	Pml	18854	promyelocytic leukemia	4.88	4.33	0.00
A_52_P47232	NM_016736	Nub1	53312	negative regulator of ubiquitin-like proteins 1	5.27	4.32	0.00
A_51_P512340	NM_019840	Pde4b	18578	phosphodiesterase 4B, cAMP specific	3.70	4.32	0.00
A_51_P388737	NM_008732	Slc11a2	18174	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	3.59	4.31	0.00
A_52_P282430	AK033828	D16Ertd47.6	102671	DNA segment, Chr 16, ERATO Doi 472, expressed	4.15	4.29	0.00
A_51_P387608	NM_010431	Hif1a	15251	hypoxia inducible factor 1, alpha subunit	3.33	4.29	0.00
A_51_P352875	NM_010696	Lcp2	16822	lymphocyte cytosolic protein 2	3.30	4.29	0.00
A_52_P480402	AK147365	Avl9	78937	AVL9 homolog (S. cerevisiae)	3.80	4.29	0.00
A_52_P642239	NM_031376	Pik3ap1	83490	phosphoinositide-3-kinase adaptor protein 1	3.61	4.29	0.00

A_52_P359071	AK042039	4930599N275379	RIKEN cDNA 4930599N23 gene	3.93	4.27	0.00	
			solute carrier organic anion transporter family, member				
A_51_P194415	NM_023908	Slco3a1	108116	3a1	3.80	4.27	0.00
A_52_P374897	NM_009705	Arg2	11847	arginase type II	4.01	4.27	0.00
A_52_P545608	XM_619777	NA	NA	NA	4.29	4.27	0.00
A_52_P119510	NM_008384	Inpp1	16329	inositol polyphosphate-1-phosphatase	4.17	4.26	0.00
A_52_P309012	AK033502	Chmp4c	66371	chromatin modifying protein 4C	4.43	4.26	0.00
A_52_P516296	NM_145226	Oas3	246727	2'-5' oligoadenylate synthetase 3	2.87	4.23	0.00
A_51_P176954	NM_008575	Mdm4	17248	transformed mouse 3T3 cell double minute 4	3.96	4.23	0.00
A_52_P591431	NM_198102	Tra2a	101214	transformer 2 alpha homolog (Drosophila)	3.17	4.23	0.00
A_51_P381558	NM_133914	Rasa4	54153	RAS p21 protein activator 4	3.95	4.22	0.00
A_52_P157705	AK019108	2210404J1	381062	RIKEN cDNA 2210404J11 gene	3.04	4.21	0.00
A_52_P121087	NM_008884	Pml	18854	promyelocytic leukemia	5.02	4.20	0.00
A_51_P494597	AK137465	BC013712	230787	cDNA sequence BC013712	3.96	4.20	0.00
A_52_P229536	NM_009851	Cd44	12505	CD44 antigen	3.84	4.19	0.00
			Ras association (RalGDS/AF-6) and pleckstrin homology				
A_52_P551476	NM_001045	Raph1	77300	domains 1	2.94	4.18	0.00
			nuclear factor of kappa light polypeptide gene enhancer				
A_51_P295192	NM_010907	Nfkbia	18035	in B-cells inhibitor, alpha	5.49	4.18	0.00
A_51_P254906	NM_178682	4933426M	217684	RIKEN cDNA 4933426M11 gene	5.73	4.18	0.00
A_51_P115749	NM_029749	Usp42	76800	ubiquitin specific peptidase 42	3.44	4.18	0.00
A_52_P158923	NM_013594	Mbd1	17190	methyl-CpG binding domain protein 1	2.37	4.17	0.01
A_51_P244453	NM_172650	Kctd3	226823	potassium channel tetramerisation domain containing 3	3.25	4.16	0.00
A_51_P286665	NM_011249	Rbl1	19650	retinoblastoma-like 1 (p107)	3.08	4.14	0.00
A_51_P440238	NM_027819	Ggt6	71522	gamma-glutamyltransferase 6	3.99	4.14	0.00
A_51_P161946	NM_175332	E130012A1	103551	RIKEN cDNA E130012A19 gene	4.91	4.14	0.00
A_52_P16657	BC031488	Tmem87b	72477	transmembrane protein 87B	3.89	4.14	0.00
A_51_P407351	NM_013825	Ly75	17076	lymphocyte antigen 75	3.93	4.13	0.00
A_51_P247114	NM_008199	H2-BI	14963	histocompatibility 2, blastocyst	2.75	4.11	0.00
A_52_P148861	NM_009743	Bcl2l1	12048	BCL2-like 1	3.78	4.11	0.00
A_52_P425092	NA	NA	NA	NA	3.62	4.11	0.00
A_52_P4482	NA	NA	NA	NA	2.90	4.10	0.00

A_52_P489295	NM_009621	Adamts1	11504	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1	5.23	4.10	0.00
A_52_P665675	NM_013454	Abca1	11303	ATP-binding cassette, sub-family A (ABC1), member 1 transmembrane and tetratricopeptide repeat containing	4.62	4.09	0.00
A_51_P288916	NM_177368	Tmtc2	278279	2	4.43	4.09	0.00
A_51_P409260	NM_008539	Smad1	17125	MAD homolog 1 (Drosophila)	3.34	4.09	0.00
A_51_P237856	NM_001045	Ifi203	15950	interferon activated gene 203	4.88	4.09	0.00
A_52_P110877	NM_011853	NA	NA	NA	3.03	4.08	0.00
A_52_P382107	BI692008	Nlrc5	434341	NLR family, CARD domain containing 5	3.77	4.06	0.00
A_52_P117393	NM_011604	Tlr6	21899	toll-like receptor 6	3.33	4.06	0.00
A_51_P481238	NM_027293	Dopey2	70028	dopey family member 2	3.38	4.06	0.00
A_52_P288270	XR_003114	NA	NA	NA	3.50	4.05	0.00
A_52_P314741	NM_177198	NA	NA	NA	3.71	4.04	0.00
A_51_P464791	NM_001042	Gpcpd1	74182	glycerophosphocholine phosphodiesterase GDE1 homolog (<i>S. cerevisiae</i>)	3.23	4.04	0.00
A_51_P243695	NM_153538	Zcchc6	214290	zinc finger, CCHC domain containing 6	3.99	4.03	0.00
A_52_P1050539	XM_987115	NA	NA	NA	3.71	4.03	0.00
A_51_P452227	NM_181402	Parp11	101187	poly (ADP-ribose) polymerase family, member 11	1.81	4.03	0.11
A_51_P375680	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	3.94	4.02	0.00
A_51_P487791	NM_007420	Adrb2	11555	adrenergic receptor, beta 2	3.76	4.02	0.00
A_51_P447668	NM_011203	Ptpn12	19248	protein tyrosine phosphatase, non-receptor type 12	2.53	4.02	0.00
A_51_P124254	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	3.41	4.01	0.00
A_51_P167292	NM_009892	Chi3l3	12655	chitinase 3-like 3	2.52	4.01	0.00
A_52_P2540	NM_001013	Gm5662	435337	predicted gene 5662	3.25	4.01	0.00
A_52_P184149	NM_008638	Mthfd2	17768	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase	3.76	4.01	0.00
A_52_P402907	NM_027444	Bbx	70508	bobby sox homolog (<i>Drosophila</i>)	3.17	4.01	0.00
A_52_P523459	NM_009851	Cd44	12505	CD44 antigen	3.73	4.01	0.00
A_52_P545604	AK081682	Tnks1bp1	228140	tankyrase 1 binding protein 1	3.43	4.01	0.00

A_52_P321358	BC052532	BC006779	229003	cDNA sequence BC006779	3.20	4.01	0.00
A_52_P1115511	AK031392	6030422H2	402765	RIKEN cDNA 6030422H21 gene	2.71	4.00	0.00
A_52_P175685	NM_008390	Irf1	16362	interferon regulatory factor 1	2.74	4.00	0.00
A_51_P495181	AK044091	Gm3457	1E+08	predicted gene 3457	3.33	4.00	0.00
A_51_P124886	NM_144791	Tor1aip1	208263	torsin A interacting protein 1	3.93	4.00	0.00
A_51_P330369	NM_138744	Ssx2ip	99167	synovial sarcoma, X breakpoint 2 interacting protein MIT, microtubule interacting and transport, domain containing 1	3.60	3.99	0.00
A_52_P203833	NM_026913	Mitd1	69028		4.05	3.99	0.00
A_51_P482051	NM_007820	Cyp3a16	13114	cytochrome P450, family 3, subfamily a, polypeptide 16	3.38	3.99	0.00
A_52_P153302	NM_027238	Ttc39b	69863	tetratricopeptide repeat domain 39B	3.98	3.99	0.00
A_51_P212854	NM_009546	Trim25	217069	tripartite motif-containing 25	3.65	3.99	0.00
A_51_P440460	NM_145070	Hip1r	29816	huntingtin interacting protein 1 related	4.11	3.98	0.00
A_51_P376050	NM_029495	Epsti1	108670	epithelial stromal interaction 1 (breast) glycerophosphocholine phosphodiesterase GDE1	3.24	3.98	0.00
A_52_P384069	NM_001042i	Gpcpd1	74182	homolog (<i>S. cerevisiae</i>)	2.48	3.97	0.00
A_51_P316816	NM_023738	Uba7	74153	ubiquitin-like modifier activating enzyme 7	3.40	3.95	0.00
A_51_P276479	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	3.36	3.95	0.00
A_52_P481493	NM_010220	Fkbp5	14229	FK506 binding protein 5	3.01	3.94	0.00
A_51_P197209	NM_133770	Adck4	76889	aarF domain containing kinase 4	3.63	3.94	0.00
A_52_P243102	NM_172650	Kctd3	226823	potassium channel tetramerisation domain containing 3	3.74	3.94	0.00
A_52_P283656	NM_175730	Hoxc5	15424	homeobox C5	1.50	3.94	0.44
A_51_P181565	NM_010415	Hbegf	15200	heparin-binding EGF-like growth factor	4.14	3.94	0.00
A_51_P174723	NM_019388	Cd86	12524	CD86 antigen glycerophosphocholine phosphodiesterase GDE1	3.95	3.93	0.00
A_52_P470017	NM_001042i	Gpcpd1	74182	homolog (<i>S. cerevisiae</i>)	3.41	3.93	0.00
A_52_P468068	XM_001000	Tchh	99681	trichohyalin	3.61	3.93	0.00
A_52_P571006	NM_177380	Cyp3a44	337924	cytochrome P450, family 3, subfamily a, polypeptide 44	2.96	3.93	0.00
A_51_P406604	BC052532	BC006779	229003	cDNA sequence BC006779 ladybird homeobox 1 homolog (<i>Drosophila</i>) corepressor	4.38	3.92	0.00
A_51_P242643	NM_172446	Lbxcor1	207667	1	2.38	3.92	0.01

A_51_P187842	NM_025829	Eif4e3	66892	eukaryotic translation initiation factor 4E member 3 tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	2.26	3.92	0.01
A_52_P261322	NM_198294	Tanc1	66860	MIT, microtubule interacting and transport, domain containing 1	5.02	3.91	0.00
A_52_P203837	NM_026913	Mitd1	69028	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein K (avian)	4.11	3.91	0.00
A_51_P306183	NM_010757	Mafk	17135	polyhomeotic-like 2 (Drosophila)	4.08	3.91	0.00
A_51_P457388	NM_018774	Phc2	54383	angiopoietin 2	3.44	3.91	0.00
A_51_P201982	NM_007426	Angpt2	11601	serum/glucocorticoid regulated kinase 1	3.99	3.91	0.00
A_51_P118237	NM_011361	Sgk1	20393	ELMO domain containing 2	2.76	3.91	0.00
A_51_P184806	NM_178736	Elmod2	244548	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	3.72	3.90	0.00
A_51_P345367	NM_010724	Psmb8	16913	hypothetical protein 9530028C05	3.81	3.90	0.00
A_51_P249471	AK035387	9530028C0330256		RIKEN cDNA 9030607L17 gene	2.37	3.89	0.01
A_51_P425279	AK018541	9030607L171564		formyl peptide receptor 1	1.39	3.88	0.67
A_51_P312485	NM_013521	Fpr1	14293	interleukin 15 receptor, alpha chain	3.43	3.88	0.00
A_52_P55902	NM_008358	Il15ra	16169	ring finger protein 31	4.35	3.88	0.00
A_52_P514982	NM_194346	Rnf31	268749	ribosomal protein S6 kinase polypeptide 3	4.76	3.88	0.00
A_52_P283628	NM_148945	Rps6ka3	110651	signal transducer and activator of transcription 1	3.83	3.88	0.00
A_52_P505218	NM_009283	Stat1	20846	RIKEN cDNA 1110018G07 gene	3.89	3.88	0.00
A_52_P584802	NM_178065	1110018G068497		NA	3.99	3.88	0.00
A_52_P471482	AK033940	NA	NA	transmembrane protein 56	4.37	3.87	0.00
A_51_P329243	NM_178936	Tmem56	99887	family with sequence similarity 46, member A	4.36	3.87	0.00
A_51_P272876	XM_135029	Fam46a	212943	phospholipid scramblase 2	3.55	3.87	0.00
A_52_P372901	NM_008880	Plscr2	18828	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	3.35	3.87	0.00
A_51_P417952	NM_013662	Sema6b	20359	ubiquitin specific peptidase 25	3.27	3.87	0.00
A_51_P176377	NM_013918	Usp25	30940	MAD homolog 1 (Drosophila)	3.46	3.87	0.00
A_52_P65108	NM_008539	Smad1	17125	mitogen-activated protein kinase kinase kinase kinase 4	4.95	3.86	0.00
A_51_P268053	NM_008696	Map4k4	26921	Sfi1 homolog, spindle assembly associated (yeast)	4.10	3.86	0.00
A_51_P510485	BC046305	Sfi1	78887		3.90	3.86	0.00

A_51_P240614	NM_008536	Tm4sf1	17112	transmembrane 4 superfamily member 1	3.98	3.86	0.00
A_51_P408116	AK081783	Il1f9	215257	interleukin 1 family, member 9	3.11	3.85	0.00
A_51_P387239	NM_021792	ligp1	60440	interferon inducible GTPase 1	3.76	3.84	0.00
A_51_P263965	NM_010442	Hmox1	15368	heme oxygenase (decycling) 1	3.63	3.84	0.00
A_51_P272563	NM_172722	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	3.97	3.84	0.00
A_52_P459046	AK164568	Slc38a2	67760	solute carrier family 38, member 2	3.26	3.84	0.00
A_51_P368696	NM_001042	Apaf1	11783	apoptotic peptidase activating factor 1	3.92	3.84	0.00
A_52_P87843	NM_053080	Aldh1a3	56847	aldehyde dehydrogenase family 1, subfamily A3	2.93	3.83	0.00
A_52_P237159	NA	NA	NA	NA	3.63	3.83	0.00
A_51_P501218	AK154817	3110043O2	73205	RIKEN cDNA 3110043O21 gene	2.40	3.82	0.01
A_52_P184304	NM_134448	Dst	13518	dystonin	3.33	3.81	0.00
A_51_P221291	NM_009229	Sntb2	20650	syntrophin, basic 2	3.94	3.79	0.00
A_52_P601829	AK035485	NA	NA	NA	3.35	3.79	0.00
A_52_P63553	NM_009883	Cebpb	12608	CCAAT/enhancer binding protein (C/EBP), beta	3.68	3.78	0.00
A_51_P513163	NM_198102	Tra2a	101214	transformer 2 alpha homolog (Drosophila)	3.07	3.78	0.00
A_51_P496187	NM_172690	N28178	230085	expressed sequence N28178	1.42	3.78	0.58
A_52_P42834	NM_013918	Usp25	30940	ubiquitin specific peptidase 25	2.66	3.78	0.00
A_51_P483013	NM_178065	1110018G0	68497	RIKEN cDNA 1110018G07 gene	3.93	3.78	0.00
A_51_P431433	NM_031997	Tmem2	83921	transmembrane protein 2	4.89	3.77	0.00
A_51_P244820	NM_201373	Trim56	384309	tripartite motif-containing 56	3.18	3.77	0.00
A_51_P255016	XM_976918	NA	NA	NA	3.05	3.76	0.00
A_52_P496503	NM_009283	Stat1	20846	signal transducer and activator of transcription 1	3.07	3.76	0.00
A_51_P505795	NM_145391	Tapbpl	213233	TAP binding protein-like	4.39	3.75	0.00
A_51_P201480	NM_213659	Stat3	20848	signal transducer and activator of transcription 3	3.54	3.75	0.00
A_52_P622941	AK034948	Slc25a37	67712	solute carrier family 25, member 37	1.96	3.75	0.04
A_51_P355301	NM_007818	Cyp3a11	13112	cytochrome P450, family 3, subfamily a, polypeptide 11	2.60	3.74	0.00
A_52_P574291	AK015681	Chic2	74277	cysteine-rich hydrophobic domain 2	3.42	3.73	0.00
A_51_P394190	NM_010723	Lmo4	16911	LIM domain only 4	4.07	3.73	0.00
A_52_P677262	BC031891	Serpina4-p	321018	serine (or cysteine) peptidase inhibitor, clade A, member 4, pseudogene 1	2.95	3.73	0.00
A_51_P159194	NM_008416	Junb	16477	Jun-B oncogene	3.41	3.72	0.00
A_51_P219532	AK003388	1110003O0	76291	RIKEN cDNA 1110003O08 gene	3.50	3.72	0.00

A_51_P413348	NM_009510	Ezr	22350	ezrin	2.71	3.71	0.00
A_52_P643851	NR_001277	Snord33	27208	small nucleolar RNA, C/D box 33	2.31	3.71	0.01
A_52_P250644	NA	NA	NA	NA	4.42	3.70	0.00
A_51_P418375	NM_023844	Jam2	67374	junction adhesion molecule 2	3.26	3.70	0.00
A_51_P234113	NM_172729	Nod1	107607	nucleotide-binding oligomerization domain containing 1 membrane-spanning 4-domains, subfamily A, member	2.70	3.69	0.00
A_51_P294505	NM_025658	Ms4a4d	66607	4D	3.70	3.69	0.00
A_51_P105554	NM_007768	Crp	12944	C-reactive protein, pentraxin-related	2.49	3.69	0.00
A_51_P191469	NM_194346	Rnf31	268749	ring finger protein 31 Cbp/p300-interacting transactivator, with Glu/Asp-rich	4.28	3.68	0.00
A_51_P478556	NM_010828	Cited2	17684	carboxy-terminal domain, 2	3.12	3.68	0.00
A_52_P261262	NM_144539	Slamf7	75345	SLAM family member 7 amyloid beta (A4) precursor protein-binding, family B,	2.50	3.68	0.00
A_51_P277321	NM_146085	Apbb3	225372	member 3	3.01	3.68	0.00
A_52_P403020	NM_011916	Xrn1	24127	5'-3' exoribonuclease 1	3.14	3.68	0.00
A_51_P423976	NM_013498	Crem	12916	cAMP responsive element modulator	3.29	3.67	0.00
A_52_P220810	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	4.43	3.66	0.00
A_52_P490272	NM_022979	Nup98	269966	nucleoporin 98	3.42	3.66	0.00
A_52_P318673	NM_009117	Saa1	20208	serum amyloid A 1	2.22	3.66	0.01
A_52_P218440	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	3.36	3.65	0.00
A_51_P111936	NM_022329	Tor1aip2	240832	torsin A interacting protein 2	4.25	3.64	0.00
A_52_P36261	NA	NA	NA	NA	2.78	3.63	0.00
A_51_P311958	NM_013623	Orm3	18407	orosomuroid 3	1.99	3.61	0.04
A_52_P159276	NM_145890	Grhl1	195733	grainyhead-like 1 (Drosophila)	3.72	3.61	0.00
A_51_P277884	NM_010120	Eif1a	13664	eukaryotic translation initiation factor 1A UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase,	3.98	3.61	0.00
A_52_P103391	NM_022305	B4galt1	14595	polypeptide 1 proteasome (prosome, macropain) subunit, beta type 8	4.05	3.61	0.00
A_51_P345366	NM_010724	Psmb8	16913	(large multifunctional peptidase 7)	3.54	3.59	0.00
A_51_P427530	NM_025700	Pgm1	66681	phosphoglucomutase 1	2.64	3.59	0.00
A_52_P1116491	AK086916	Tor1aip1	208263	torsin A interacting protein 1	4.01	3.59	0.00
A_52_P578562	NM_173865	Slc41a1	98396	solute carrier family 41, member 1	4.23	3.59	0.00
A_52_P573552	NM_144549	Trib1	211770	tribbles homolog 1 (Drosophila)	3.84	3.59	0.00

				Cbp/p300-interacting transactivator, with Glu/Asp-rich			
A_51_P105837	NM_010828	Cited2	17684	carboxy-terminal domain, 2	3.65	3.59	0.00
A_51_P472867	NM_145226	Oas3	246727	2'-5' oligoadenylate synthetase 3	2.81	3.58	0.00
A_52_P15388	NM_008522	Ltf	17002	lactotransferrin	3.44	3.58	0.00
A_51_P166886	NM_011314	Saa2	20209	serum amyloid A 2	2.18	3.58	0.02
A_51_P436567	NM_198171	BC015286	234669	cDNA sequence BC015286	2.37	3.57	0.01
A_51_P516728	NM_010404	Hap1	15114	huntingtin-associated protein 1	3.85	3.57	0.00
A_51_P118132	NM_011386	Skil	20482	SKI-like	3.80	3.57	0.00
A_52_P4657	NM_172722	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	4.17	3.57	0.00
A_51_P420547	NM_172621	Clic5	224796	chloride intracellular channel 5	1.76	3.57	0.13
A_51_P193993	NM_172621	Clic5	224796	chloride intracellular channel 5	2.07	3.56	0.03
A_52_P210511	NM_011612	Tnfrsf9	21942	tumor necrosis factor receptor superfamily, member 9	3.43	3.56	0.00
A_51_P463765	NM_011595	Timp3	21859	tissue inhibitor of metalloproteinase 3	3.88	3.56	0.00
A_51_P136288	NM_021718	Ms4a4b	60361	membrane-spanning 4-domains, subfamily A, member 4B	3.42	3.55	0.00
A_51_P176365	NM_175035	Gimap5	317757	GTPase, IMAP family member 5	3.15	3.55	0.00
A_52_P339726	NA	NA	NA	NA	2.87	3.55	0.00
A_51_P181691	NM_145857	Nod2	257632	nucleotide-binding oligomerization domain containing 2	3.80	3.55	0.00
A_51_P443857	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	3.24	3.54	0.00
A_51_P243609	NM_175934	Ppp1r10	52040	protein phosphatase 1, regulatory subunit 10	2.93	3.54	0.00
A_52_P6092	NM_207269	NA	NA	NA	3.08	3.54	0.00
A_52_P167278	NM_172308	Mthfd1l	270685	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	4.12	3.54	0.00
A_52_P456640	NM_010208	Fgr	14191	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog	2.80	3.53	0.00
A_52_P287338	NM_025829	Eif4e3	66892	eukaryotic translation initiation factor 4E member 3	2.62	3.53	0.00
A_52_P564413	NM_207683	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide	2.99	3.53	0.00
A_52_P421357	NM_019765	Clip1	56430	CAP-GLY domain containing linker protein 1	2.82	3.53	0.00

A_51_P369803	NM_013585	Psmb9	16912	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	3.24	3.53	0.00
A_51_P478555	NM_010828	Cited2	17684	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	2.99	3.52	0.00
A_52_P517773	NM_011203	Ptpn12	19248	protein tyrosine phosphatase, non-receptor type 12	2.35	3.52	0.01
A_51_P453343	NM_027869	Pnpt1	71701	polyribonucleotide nucleotidyltransferase 1	3.98	3.51	0.00
A_52_P232813	NM_203320	Cxcl3	330122	chemokine (C-X-C motif) ligand 3	3.28	3.51	0.00
A_52_P1196729	AK086288	NA	NA	NA	3.00	3.51	0.00
A_52_P144263	NM_020296	Rbms1	56878	RNA binding motif, single stranded interacting protein 1	2.94	3.51	0.00
A_52_P638457	NM_001045	A430084P05	327957	RIKEN cDNA A430084P05 gene	3.30	3.50	0.00
A_52_P391743	NM_020518	Vsig2	57276	V-set and immunoglobulin domain containing 2	1.54	3.50	0.34
A_52_P241640	AK016417	4930599N2	75379	RIKEN cDNA 4930599N23 gene	3.33	3.49	0.00
A_52_P50063	NM_175677	9230105E1	319236	RIKEN cDNA 9230105E10 gene	3.24	3.49	0.00
A_52_P332517	NM_027314	5-Mar	69104	membrane-associated ring finger (C3HC4) 5 serine (or cysteine) peptidase inhibitor, clade A, member 4, pseudogene 1	3.04	3.49	0.00
A_51_P339098	BC031891	Serpina4-p	321018		2.95	3.49	0.00
A_51_P300001	NM_173369	Cyld	74256	cylindromatosis (turban tumor syndrome)	2.66	3.49	0.00
A_52_P129590	NM_153538	Zcchc6	214290	zinc finger, CCHC domain containing 6	3.29	3.48	0.00
A_52_P924359	NA	NA	NA	NA	3.64	3.48	0.00
A_51_P310040	NM_144904	Rod1	230257	ROD1 regulator of differentiation 1 (<i>S. pombe</i>) tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	4.48	3.48	0.00
A_51_P444379	NM_198294	Tanc1	66860		3.83	3.48	0.00
A_52_P93467	NM_011521	Sdc4	20971	syndecan 4	3.04	3.47	0.00
A_51_P319453	NM_009281	Zfp143	20841	zinc finger protein 143	2.69	3.47	0.00
A_52_P535212	NM_198300	Cpeb3	208922	cytoplasmic polyadenylation element binding protein 3	3.90	3.47	0.00
A_51_P367285	NM_028019	Rnf135	71956	ring finger protein 135	3.68	3.46	0.00
A_51_P513244	XM_150216	4930422I07	71640	RIKEN cDNA 4930422I07 gene	3.61	3.46	0.00
A_51_P502150	NM_012030	Slc9a3r1	26941	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	3.25	3.46	0.00
A_51_P238722	NM_010740	Cd93	17064	CD93 antigen	3.20	3.45	0.00
A_51_P202292	NM_008358	Il15ra	16169	interleukin 15 receptor, alpha chain	3.60	3.45	0.00

A_52_P614731	NM_025278	Gng12	14701	guanine nucleotide binding protein (G protein), gamma 12	3.96	3.44	0.00
A_52_P592466	NM_023275	Rhoj	80837	ras homolog gene family, member J	4.13	3.44	0.00
A_52_P262997	AK013126	Mrpl38	60441	mitochondrial ribosomal protein L38	2.73	3.44	0.00
A_52_P548680	AK172036	Pik3c2a	18704	phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide	2.93	3.42	0.00
A_51_P452119	NM_008498	Lhx1	16869	LIM homeobox protein 1	3.10	3.42	0.00
A_52_P510877	NM_009743	Bcl2l1	12048	BCL2-like 1	3.60	3.42	0.00
A_51_P265495	NM_010738	Ly6a	110454	lymphocyte antigen 6 complex, locus A protein phosphatase 1, regulatory (inhibitor) subunit 15A	1.81	3.42	0.10
A_51_P302503	NM_008654	Ppp1r15a	17872	15A	3.19	3.42	0.00
A_51_P273213	NM_145890	Grhl1	195733	grainyhead-like 1 (Drosophila)	3.59	3.41	0.00
A_51_P251022	NM_008880	Plscr2	18828	phospholipid scramblase 2	3.34	3.41	0.00
A_52_P273935	AK020313	9230104K2	77688	RIKEN cDNA 9230104K21 gene	2.38	3.41	0.01
A_52_P495729	NM_011019	Osmr	18414	oncostatin M receptor	3.20	3.41	0.00
A_52_P241484	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	3.67	3.41	0.00
A_52_P1029186	NA	NA	NA	NA	3.59	3.41	0.00
A_51_P422300	NM_027209	Ms4a6b	69774	membrane-spanning 4-domains, subfamily A, member 6B	2.48	3.40	0.00
A_52_P109304	NM_013763	Tbl2	27368	transducin (beta)-like 2	4.24	3.40	0.00
A_51_P341647	NM_007985	Fancc	14088	Fanconi anemia, complementation group C	3.10	3.40	0.00
A_51_P199057	NM_029749	Usp42	76800	ubiquitin specific peptidase 42	3.33	3.39	0.00
A_51_P160907	NM_001045	Morc3	338467	microrchidia 3	3.30	3.39	0.00
A_51_P455208	NM_011204	Ptpn13	19249	protein tyrosine phosphatase, non-receptor type 13	2.96	3.39	0.00
A_51_P430952	NM_009068	Ripk1	19766	receptor (TNFRSF)-interacting serine-threonine kinase 1	3.42	3.39	0.00
A_51_P134812	NM_026929	Chac1	69065	ChaC, cation transport regulator-like 1 (E. coli)	2.11	3.39	0.02
A_52_P420792	NM_001009	Txnip	56338	thioredoxin interacting protein	1.50	3.38	0.44
A_52_P674847	NM_013727	Azi2	27215	5-azacytidine induced gene 2	2.97	3.38	0.00
A_52_P185343	AK011851	Gna13	14674	guanine nucleotide binding protein, alpha 13	3.71	3.37	0.00
A_51_P509808	NM_018828	Fnbp4	55935	formin binding protein 4	3.03	3.37	0.00
A_52_P677364	NM_025840	Bzw2	66912	basic leucine zipper and W2 domains 2	3.22	3.37	0.00
A_52_P303161	NM_017379	Tuba8	53857	tubulin, alpha 8	2.70	3.37	0.00

A_52_P212025	AK012979	Ror1	26563	receptor tyrosine kinase-like orphan receptor 1	3.08	3.37	0.00
A_51_P279197	NM_009124	Atxn1	20238	ataxin 1	4.27	3.37	0.00
A_52_P279379	AV381417	NA	NA	NA	3.61	3.35	0.00
A_51_P161037	AK172953	Cep170	545389	centrosomal protein 170	4.22	3.35	0.00
A_51_P296866	NM_008629	Msi1	17690	Musashi homolog 1(Drosophila)	2.18	3.34	0.02
A_51_P366836	NM_173413	Rab8b	235442	RAB8B, member RAS oncogene family	3.25	3.34	0.00
A_51_P340601	NM_009770	Btg3	12228	B-cell translocation gene 3	2.12	3.33	0.02
A_51_P327511	NM_008013	Fgl2	14190	fibrinogen-like protein 2	2.45	3.33	0.01
A_51_P105380	NM_029733	2010005H176770		RIKEN cDNA 2010005H15 gene	2.02	3.33	0.04
A_51_P469285	NM_008737	Nrp1	18186	neuropilin 1	3.31	3.33	0.00
A_51_P372602	NM_183262	Stk35	67333	serine/threonine kinase 35	2.89	3.33	0.00
A_51_P125716	NM_031373	Ogfr	72075	opioid growth factor receptor	4.55	3.33	0.00
A_51_P125067	NM_019401	Nmi	64685	N-myc (and STAT) interactor	2.73	3.33	0.00
A_52_P973470	NA	NA	NA	NA	3.31	3.33	0.00
				UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase,			
A_51_P155257	NM_022305	B4galt1	14595	polypeptide 1	3.51	3.32	0.00
A_51_P230624	AK171109	2010109K172123		RIKEN cDNA 2010109K11 gene	3.71	3.32	0.00
A_52_P169901	NM_001009	Mcart1	230125	mitochondrial carrier triple repeat 1	2.73	3.32	0.00
A_51_P265026	NM_010872	Naip2	17948	NLR family, apoptosis inhibitory protein 2	2.14	3.32	0.02
A_52_P15166	NA	NA	NA	NA	2.59	3.31	0.00
A_51_P499918	NM_010407	Hck	15162	hemopoietic cell kinase	3.23	3.31	0.00
A_52_P513177	NM_001029	Sla	20491	src-like adaptor	3.08	3.31	0.00
				TAF7 RNA polymerase II, TATA box binding protein (TBP)-			
A_52_P83959	NM_011901	Taf7	24074	associated factor	3.79	3.31	0.00
A_51_P368171	AK049415	AU020206	101757	expressed sequence AU020206	2.14	3.30	0.02
A_52_P193022	AJ306425	Hfe	15216	hemochromatosis	3.22	3.30	0.00
A_51_P271439	NM_001033	Fam59a	381126	family with sequence similarity 59, member A	3.15	3.30	0.00
A_51_P390538	XM_129176	NA	NA	NA	2.54	3.30	0.00
A_52_P533287	NM_013637	Prm1	19118	protamine 1	1.73	3.29	0.15
A_51_P154913	AK037524	Mctp2	244049	multiple C2 domains, transmembrane 2	2.74	3.29	0.00
A_52_P180373	XM_129176	NA	NA	NA	3.29	3.29	0.00
A_52_P472324	NM_011414	Slpi	20568	secretory leukocyte peptidase inhibitor	1.75	3.29	0.14
A_51_P232824	NM_029857	Tmco4	77056	transmembrane and coiled-coil domains 4	4.26	3.29	0.00
A_52_P518827	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	2.87	3.29	0.00

A_52_P544043	BC013068	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	2.63	3.28	0.00
A_51_P225592	NM_001001	Tpm4	326618	tropomyosin 4	3.34	3.28	0.00
A_52_P764477	XM_983705	NA	NA	NA	2.99	3.28	0.00
A_51_P427171	NM_172488	9030625AC	210808	RIKEN cDNA 9030625A04 gene	2.78	3.28	0.00
A_51_P316949	XM_618775	Ccdc6	76551	coiled-coil domain containing 6	3.19	3.28	0.00
A_52_P93488	NM_001024	10-Sep	103080	septin 10	3.38	3.28	0.00
A_51_P300434	NM_134448	Dst	13518	dystonin	2.92	3.28	0.00
A_51_P119857	AK017680	Spred1	114715	sprouty protein with EVH-1 domain 1, related sequence	3.22	3.27	0.00
A_51_P258372	NM_030691	Igsf6	80719	immunoglobulin superfamily, member 6	3.12	3.27	0.00
A_52_P700056	BC089618	Gm11428	1E+08	predicted gene 11428	3.25	3.27	0.00
A_52_P1034698	NM_007920	Elf1	13709	E74-like factor 1	3.47	3.27	0.00
A_52_P251623	NM_001004	BC057022	433940	cDNA sequence BC057022	2.77	3.26	0.00
A_52_P135572	BC043710	Dopey1	320615	dopey family member 1	2.83	3.26	0.00
A_52_P153864	NM_010723	Lmo4	16911	LIM domain only 4	4.02	3.26	0.00
A_52_P659917	NM_173423	Fem1c	240263	fem-1 homolog c (C.elegans)	3.74	3.26	0.00
A_52_P577072	NM_011901	Taf7	24074	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor	3.28	3.26	0.00
A_52_P134762	AK172505	Ifi203	15950	interferon activated gene 203	3.84	3.25	0.00
A_52_P318361	NM_145603	Ces2	234671	carboxylesterase 2	2.11	3.25	0.02
A_52_P803082	AK050122	Apol9a	223672	apolipoprotein L 9a	2.30	3.25	0.01
A_51_P157193	NM_023275	Rhoj	80837	ras homolog gene family, member J	3.53	3.25	0.00
A_51_P478548	U86445	Cited2	17684	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	2.84	3.25	0.00
A_51_P130757	NM_025408	Acer3	66190	alkaline ceramidase 3	4.21	3.25	0.00
A_51_P520745	NM_153544	BC030867	217216	cDNA sequence BC030867	3.43	3.25	0.00
A_52_P8174	AK152321	Wdr43	72515	WD repeat domain 43	3.20	3.25	0.00
A_52_P674338	NM_207655	Egfr	13649	epidermal growth factor receptor potassium inwardly-rectifying channel, subfamily J,	2.56	3.24	0.00
A_52_P225898	NM_008428	Kcnj8	16523	member 8	3.20	3.24	0.00
A_52_P139579	NM_011710	Wars	22375	tryptophanyl-tRNA synthetase	2.77	3.24	0.00
A_52_P102931	AK087160	Gimap5	317757	GTPase, IMAP family member 5	2.90	3.24	0.00
A_52_P175190	AK033431	Egfr	13649	epidermal growth factor receptor	3.15	3.24	0.00

A_52_P536082	NM_027297	Prpf4	70052	PRP4 pre-mRNA processing factor 4 homolog (yeast)	4.27	3.24	0.00
A_52_P278549	NM_010849	Myc	17869	myelocytomatosis oncogene	2.95	3.24	0.00
A_52_P238159	BC042188	Gm9975	327988	predicted gene 9975	3.06	3.23	0.00
A_52_P14456	AK129457	Srrm4	68955	serine/arginine repetitive matrix 4	2.83	3.23	0.00
A_52_P165315	NA	NA	NA	NA	3.91	3.23	0.00
A_51_P359549	NM_173423	Fem1c	240263	fem-1 homolog c (C.elegans)	3.38	3.23	0.00
A_52_P325552	NM_145355	Rnf185	193670	ring finger protein 185	2.82	3.23	0.00
A_52_P203031	NM_024457	Rap1b	215449	RAS related protein 1b	3.13	3.22	0.00
A_52_P518422	NM_177358	A630033EC	240041	RIKEN cDNA A630033E08 gene	2.69	3.22	0.00
A_51_P236864	BC021881	Parp8	52552	poly (ADP-ribose) polymerase family, member 8	3.14	3.22	0.00
A_52_P357265	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	2.97	3.22	0.00
A_52_P135873	NA	NA	NA	NA	2.74	3.22	0.00
A_51_P489522	AK150917	Ctla2b	13025	cytotoxic T lymphocyte-associated protein 2 beta glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	2.81	3.22	0.00
A_52_P24477	NM_133219	Gcnt2	14538	enzyme	3.60	3.22	0.00
A_52_P172405	XM_985835	NA	NA	NA	2.71	3.21	0.00
A_52_P212756	NM_172843	Tor1aip2	240832	torsin A interacting protein 2	3.45	3.21	0.00
A_51_P257134	NM_019655	Adar	56417	adenosine deaminase, RNA-specific membrane-spanning 4-domains, subfamily A, member 4B	3.13	3.21	0.00
A_51_P136289	NM_021718	Ms4a4b	60361	4B	3.10	3.21	0.00
A_51_P501710	NM_010303	Gna13	14674	guanine nucleotide binding protein, alpha 13 CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	3.01	3.20	0.00
A_51_P325651	AK164165	Cd47	16423	signal transducer)	3.03	3.20	0.00
A_51_P219444	NM_013880	Plcl2	224860	phospholipase C-like 2	2.59	3.20	0.00
A_51_P438805	NM_001009	Txnip	56338	thioredoxin interacting protein	1.32	3.20	0.91
A_51_P334155	AK016318	4930579F0	67741	RIKEN cDNA 4930579F01 gene	2.61	3.20	0.00
A_52_P502577	NM_010101	S1pr3	13610	sphingosine-1-phosphate receptor 3	3.54	3.20	0.00
A_52_P334259	NA	NA	NA	NA	1.53	3.20	0.37
A_51_P460153	AK031247	Xrn2	24128	5'-3' exoribonuclease 2	2.46	3.20	0.01
A_52_P661565	NM_013885	Clic4	29876	chloride intracellular channel 4 (mitochondrial)	3.95	3.20	0.00
A_52_P383137	BC048531	Rnd1	223881	Rho family GTPase 1	3.62	3.19	0.00

A_51_P305936	NM_031881	Nedd4l	83814	neural precursor cell expressed, developmentally down-regulated gene 4-like	2.66	3.19	0.00
A_52_P14453	NM_009124	Atxn1	20238	ataxin 1	3.73	3.19	0.00
A_51_P322016	NM_008178	Gsx1	14842	GS homeobox 1	1.64	3.19	0.21
A_52_P259268	XM_982175	Gm7969	666185	predicted gene 7969	2.78	3.19	0.00
A_51_P388691	NM_027444	Bbx	70508	bobby sox homolog (Drosophila)	3.11	3.18	0.00
A_51_P322542	AK131987	Bbx	70508	bobby sox homolog (Drosophila)	2.65	3.18	0.00
A_51_P208240	NM_019418	Tnfsf14	50930	tumor necrosis factor (ligand) superfamily, member 14 transmembrane and tetratricopeptide repeat containing	3.24	3.18	0.00
A_52_P557156	NM_177368	Tmtc2	278279	2	3.14	3.17	0.00
A_52_P973486	BI329779	NA	NA	NA	2.17	3.17	0.02
A_51_P209071	NM_028469	311008211	73212	RIKEN cDNA 3110082117 gene	2.32	3.17	0.01
A_51_P424532	NM_011704	Vnn1	22361	vanin 1	2.51	3.17	0.00
A_51_P385786	NM_010495	Id1	15901	inhibitor of DNA binding 1	2.95	3.16	0.00
A_51_P492595	NM_172518	Fbxo42	213499	F-box protein 42	3.21	3.16	0.00
A_52_P579441	NM_001045	Morc3	338467	microrchidia 3	3.17	3.15	0.00
A_51_P488211	NM_153389	Atp10d	231287	ATPase, class V, type 10D	1.89	3.13	0.07
A_52_P78064	NM_029857	Tmco4	77056	transmembrane and coiled-coil domains 4	3.73	3.13	0.00
A_51_P435023	NM_019713	Rassf1	56289	Ras association (RalGDS/AF-6) domain family member 1	3.53	3.13	0.00
A_51_P378960	NM_026054	2810474O19	167246	RIKEN cDNA 2810474O19 gene	2.72	3.13	0.00
A_52_P281888	AK016729	NA	NA	NA	2.45	3.13	0.01
A_52_P627269	NM_198171	BC015286	234669	cDNA sequence BC015286	2.03	3.13	0.04
A_52_P82765	NA	NA	NA	NA	3.14	3.13	0.00
A_52_P305685	NA	NA	NA	NA	3.18	3.12	0.00
A_52_P244236	AK013215	Tmem87b	72477	transmembrane protein 87B	4.07	3.12	0.00
A_51_P493467	NM_145588	Kif22	110033	kinesin family member 22	2.21	3.12	0.01
A_51_P488799	NM_173761	Ythdf1	228994	YTH domain family 1	3.56	3.12	0.00
A_52_P5263	NA	NA	NA	NA	1.83	3.12	0.09
A_52_P174775	NM_009068	Ripk1	19766	receptor (TNFRSF)-interacting serine-threonine kinase 1	3.62	3.11	0.00
A_52_P667287	NM_172856	Lass6	241447	LAG1 homolog, ceramide synthase 6	3.48	3.11	0.00
A_51_P430900	NM_013642	Dusp1	19252	dual specificity phosphatase 1	2.02	3.11	0.04

A_52_P93933	NM_008562	Mcl1	17210	myeloid cell leukemia sequence 1	3.27	3.11	0.00
A_52_P266132	NM_008013	Fgl2	14190	fibrinogen-like protein 2	2.40	3.11	0.01
A_52_P32249	NM_019464	Sh3glb1	54673	SH3-domain GRB2-like B1 (endophilin)	3.29	3.11	0.00
A_52_P460957	NM_013498	Crem	12916	cAMP responsive element modulator	3.18	3.11	0.00
A_51_P229129	NM_146818	Olf1r1218	258815	olfactory receptor 1218	2.41	3.11	0.01
A_52_P437066	XM_905410	LOC631287	631287	similar to interferon induced transmembrane protein 2	3.59	3.10	0.00
A_52_P532456	BC065150	Plagl1	22634	pleiomorphic adenoma gene-like 1	2.75	3.10	0.00
A_52_P586104	NA	NA	NA	NA	2.44	3.10	0.01
A_51_P519251	NM_019738	Nupr1	56312	nuclear protein 1	2.41	3.09	0.01
A_51_P180747	NM_007796	Ctla2a	13024	cytotoxic T lymphocyte-associated protein 2 alpha	2.52	3.09	0.00
A_51_P316523	NM_008391	Irf2	16363	interferon regulatory factor 2	2.97	3.09	0.00
A_51_P183630	NM_029510	Bcor	71458	BCL6 interacting corepressor	3.18	3.09	0.00
A_52_P533809	NM_010495	Id1	15901	inhibitor of DNA binding 1	2.91	3.08	0.00
A_51_P464958	AK079154	NA	NA	NA	2.17	3.08	0.02
A_52_P532982	NM_011819	Gdf15	23886	growth differentiation factor 15	1.98	3.08	0.04
A_51_P381157	NM_027420	2610034B1	70420	RIKEN cDNA 2610034B18 gene	3.38	3.08	0.00
A_52_P137500	AK046255	Fam199x	245622	family with sequence similarity 199, X-linked	3.04	3.07	0.00
A_52_P483799	NM_001033	NA	NA	NA	3.15	3.07	0.00
A_51_P229403	NM_027339	2210415F1	70163	RIKEN cDNA 2210415F13 gene	3.03	3.07	0.00
A_51_P405668	NM_027314	5-Mar	69104	membrane-associated ring finger (C3HC4) 5	3.84	3.07	0.00
A_52_P615247	NM_001037	NA	NA	NA	2.94	3.07	0.00
A_52_P560889	NM_054056	Pawr	114774	PRKC, apoptosis, WT1, regulator	3.19	3.07	0.00
A_51_P367263	NM_199222	Lman1l	235416	lectin, mannose-binding 1 like	2.90	3.07	0.00
A_51_P387632	NM_022885	Slc30a5	69048	solute carrier family 30 (zinc transporter), member 5	2.55	3.06	0.00
A_52_P424308	NM_176998	5730410E1	319613	RIKEN cDNA 5730410E15 gene	2.97	3.06	0.00
A_51_P437847	BC087623	Kctd1	106931	potassium channel tetramerisation domain containing 1	2.89	3.06	0.00
A_52_P105594	AK086184	B2m	12010	beta-2 microglobulin	3.17	3.06	0.00
A_52_P400509	AK048970	Atm	11920	ataxia telangiectasia mutated homolog (human)	3.01	3.06	0.00
A_52_P211956	NM_025658	Ms4a4d	66607	membrane-spanning 4-domains, subfamily A, member 4D	3.17	3.05	0.00

A_51_P121031	NM_175188	1-Mar	72925	membrane-associated ring finger (C3HC4) 1	2.74	3.05	0.00
A_51_P462751	M79314	Rap1b	215449	RAS related protein 1b	2.58	3.05	0.00
A_51_P338615	NM_007414	Adprh	11544	ADP-ribosylarginine hydrolase	2.64	3.04	0.00
A_51_P504602	XM_898838	NA	NA	NA	2.73	3.04	0.00
A_52_P271244	NM_133692	Pold3	67967	polymerase (DNA-directed), delta 3, accessory subunit	2.63	3.04	0.00
A_51_P238659	XM_985835	NA	NA	NA	3.46	3.04	0.00
A_52_P504478	NM_007414	Adprh	11544	ADP-ribosylarginine hydrolase	2.50	3.04	0.00
A_51_P335480	NM_028077	1810055G02	72056	RIKEN cDNA 1810055G02 gene	2.90	3.04	0.00
A_51_P168459	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	2.79	3.03	0.00
A_51_P166762	NM_011192	Psme3	19192	proteasome (prosome, macropain) 28 subunit, 3	3.21	3.03	0.00
A_51_P502661	NM_172767	Vwa5a	67776	von Willebrand factor A domain containing 5A	2.89	3.03	0.00
A_52_P330314	AK033097	Lmo4	16911	LIM domain only 4	2.26	3.03	0.01
A_52_P262219	NM_010234	Fos	14281	FBJ osteosarcoma oncogene	2.04	3.03	0.03
A_51_P362863	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	3.53	3.02	0.00
A_52_P527375	AK154817	3110043O2	73205	RIKEN cDNA 3110043O21 gene	2.08	3.02	0.03
A_52_P617327	NM_019466	Rcan1	54720	regulator of calcineurin 1	3.04	3.02	0.00
A_51_P105017	NM_011236	Rad52	19365	RAD52 homolog (<i>S. cerevisiae</i>)	3.91	3.02	0.00
A_52_P201359	XM_129509	Cep350	74081	centrosomal protein 350	3.38	3.01	0.00
A_51_P196844	NM_027881	Osbpl3	71720	oxysterol binding protein-like 3	2.90	3.01	0.00
A_51_P453142	BC060722	Ibtk	108837	inhibitor of Bruton agammaglobulinemia tyrosine kinase	3.36	3.00	0.00
A_52_P520720	AK089002	Jmjd1c	108829	jumonji domain containing 1C	4.01	3.00	0.00
A_51_P414889	NM_027320	Ifi35	70110	interferon-induced protein 35	3.09	2.99	0.00
A_51_P407028	NM_007607	Car4	12351	carbonic anhydrase 4	2.33	2.99	0.01
A_52_P253167	NM_172843	Tor1aip2	240832	torsin A interacting protein 2	2.85	2.99	0.00
A_52_P384901	XM_001005C	Wdr43	72515	WD repeat domain 43	3.21	2.99	0.00
A_51_P467025	NM_053099	Setbp1	240427	SET binding protein 1	2.80	2.98	0.00
A_52_P577123	AK220172	Clip1	56430	CAP-GLY domain containing linker protein 1	2.50	2.98	0.00
A_51_P396198	BG296545	NA	NA	NA	2.62	2.97	0.00
A_52_P131458	NM_027238	Ttc39b	69863	tetratricopeptide repeat domain 39B	2.84	2.97	0.00
A_51_P289647	NM_173386	E330016A1	214763	RIKEN cDNA E330016A19 gene	3.17	2.97	0.00
A_51_P359822	NM_009160	Sftpd	20390	surfactant associated protein D	1.81	2.96	0.10

A_51_P424828	NM_026425	Naa20	67877	N(alpha)-acetyltransferase 20, NatB catalytic subunit	2.58	2.96	0.00
A_51_P241074	NM_008927	Map2k1	26395	mitogen-activated protein kinase kinase 1	2.27	2.96	0.01
A_52_P135392	BC004016	Uck2	80914	uridine-cytidine kinase 2	3.16	2.96	0.00
A_52_P148764	NM_177115	3-Mar	320253	membrane-associated ring finger (C3HC4) 3	3.55	2.96	0.00
A_52_P185079	NM_013842	Xbp1	22433	X-box binding protein 1	2.25	2.96	0.01
A_52_P631307	AK043577	Ypel4	241525	yippee-like 4 (Drosophila)	2.86	2.95	0.00
A_51_P143224	NM_013594	Mbd1	17190	methyl-CpG binding domain protein 1	2.57	2.95	0.00
A_52_P391098	NM_013498	Crem	12916	cAMP responsive element modulator	2.99	2.95	0.00
A_51_P294555	NM_0010331	lfitm6	213002	interferon induced transmembrane protein 6	2.85	2.95	0.00
A_51_P469968	NM_013819	H2-M3	14991	histocompatibility 2, M region locus 3	2.36	2.95	0.01
A_51_P511236	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	3.71	2.95	0.00
A_52_P338816	AK164710	Zufsp	72580	zinc finger with UFM1-specific peptidase domain transmembrane emp24 protein transport domain containing 5	3.14	2.95	0.00
A_51_P367434	NM_028876	Tmed5	73130	containing 5	2.73	2.95	0.00
A_52_P450183	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	3.98	2.95	0.00
A_51_P174681	NM_025840	Bzw2	66912	basic leucine zipper and W2 domains 2	3.19	2.95	0.00
A_51_P111612	NM_001042	Arrdc4	66412	arrestin domain containing 4	2.50	2.95	0.00
A_52_P467449	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	2.50	2.94	0.00
A_51_P121447	NM_054099	1110038F1	117171	RIKEN cDNA 1110038F14 gene	2.60	2.94	0.00
A_51_P507622	NM_181593	ltpkc	233011	inositol 1,4,5-trisphosphate 3-kinase C	2.89	2.94	0.00
A_51_P371174	NM_013863	Bag3	29810	BCL2-associated athanogene 3	3.06	2.94	0.00
A_51_P274667	XM_129972	NA	NA	NA	3.94	2.94	0.00
A_51_P291210	NM_027373	Afap1	70292	actin filament associated protein 1	1.81	2.94	0.10
A_51_P491976	NM_175401	Fbxw17	109082	F-box and WD-40 domain protein 17	2.54	2.94	0.00
A_52_P46085	NM_080638	Mvp	78388	major vault protein	3.46	2.94	0.00
A_51_P354333	NM_016856	Cpsf2	51786	cleavage and polyadenylation specific factor 2	3.37	2.93	0.00
A_51_P356283	NM_133765	Fbxo31	76454	F-box protein 31	3.31	2.92	0.00
A_52_P341489	NM_001039	Gm7120	633640	predicted gene 7120	1.83	2.92	0.09
A_52_P202029	NM_172406	Trak2	70827	trafficking protein, kinesin binding 2	3.12	2.92	0.00
A_52_P440481	NM_177358	A630033E08	240041	RIKEN cDNA A630033E08 gene	2.66	2.92	0.00
A_52_P346231	NM_013727	Azi2	27215	5-azacytidine induced gene 2	2.87	2.92	0.00

A_52_P38317	AK046153	Naa20	67877	N(alpha)-acetyltransferase 20, NatB catalytic subunit	3.19	2.92	0.00
A_52_P252305	NM_028527	170004711	73385	RIKEN cDNA 1700047117 gene 1	2.87	2.91	0.00
A_52_P13305	NM_138953	Ell2	192657	elongation factor RNA polymerase II 2	2.87	2.91	0.00
A_52_P429308	NM_025994	Efhd2	27984	EF hand domain containing 2	3.46	2.91	0.00
A_52_P255250	NM_009543	Rnf103	22644	ring finger protein 103	3.05	2.91	0.00
A_51_P173709	NM_022420	Gprc5b	64297	G protein-coupled receptor, family C, group 5, member B	2.00	2.90	0.04
A_52_P391095	NM_013498	Crem	12916	cAMP responsive element modulator	2.79	2.90	0.00
A_51_P341203	NM_017396	Cyp3a41a	53973	cytochrome P450, family 3, subfamily a, polypeptide 41A	2.99	2.90	0.00
A_51_P116838	NM_010024	Dct	13190	dopachrome tautomerase	1.70	2.90	0.16
A_51_P461108	NM_148958	Osbpl10	74486	oxysterol binding protein-like 10	2.63	2.90	0.00
A_51_P331841	NM_175369	Ccdc122	108811	coiled-coil domain containing 122	3.47	2.89	0.00
A_51_P274803	NM_175648	A530023O	244183	RIKEN cDNA A530023O14 gene	2.84	2.89	0.00
A_51_P291033	BC057625	Ubr4	69116	ubiquitin protein ligase E3 component n-recognin 4	2.16	2.89	0.02
A_52_P515336	AK045877	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1	3.40	2.89	0.00
A_51_P148744	NM_207277	A930005I0	403174	RIKEN cDNA A930005I04 gene	3.42	2.89	0.00
A_51_P239654	NM_010444	Nr4a1	15370	nuclear receptor subfamily 4, group A, member 1	1.81	2.89	0.11
A_51_P473576	NM_009687	Apex1	11792	apurinic/apyrimidinic endonuclease 1	3.50	2.89	0.00
A_51_P241407	BU557601	NA	NA	NA	3.27	2.88	0.00
A_52_P655778	XR_002713	NA	NA	NA	2.50	2.88	0.00
A_51_P408946	NM_007633	Ccne1	12447	cyclin E1	2.22	2.88	0.01
A_52_P83913	NM_138744	Ssx2ip	99167	synovial sarcoma, X breakpoint 2 interacting protein	3.49	2.88	0.00
A_52_P772671	NA	NA	NA	NA	3.23	2.88	0.00
A_52_P138822	NM_016888	B3gnt2	53625	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	2.59	2.88	0.00
A_51_P295420	NM_145931	Zc3h7a	106205	zinc finger CCCH type containing 7 A	2.85	2.88	0.00
A_51_P229076	NM_009847	Cd2ap	12488	CD2-associated protein	3.15	2.88	0.00
A_51_P267239	NM_019980	Litaf	56722	LPS-induced TN factor	2.70	2.87	0.00
A_51_P153982	NM_001029	Cytsb	432572	cytospin B	2.68	2.87	0.00

A_51_P415688	NM_025278	Gng12	14701	guanine nucleotide binding protein (G protein), gamma 12	4.02	2.87	0.00
A_51_P169401	NM_008514	Lrp6	16974	low density lipoprotein receptor-related protein 6	2.30	2.87	0.01
A_51_P304065	NA	NA	NA	NA	2.64	2.87	0.00
A_51_P297679	NM_008225	Hcls1	15163	hematopoietic cell specific Lyn substrate 1	3.40	2.87	0.00
A_51_P178692	NM_007930	Enc1	13803	ectodermal-neural cortex 1	2.57	2.87	0.00
A_51_P108108	NM_153074	Lrrc25	211228	leucine rich repeat containing 25	2.40	2.86	0.01
A_52_P559975	NM_009909	Cxcr2	12765	chemokine (C-X-C motif) receptor 2	3.64	2.86	0.00
A_52_P3412	NM_144933	Med17	234959	mediator complex subunit 17	3.17	2.86	0.00
A_52_P343839	NM_028810	Rnd3	74194	Rho family GTPase 3	2.95	2.86	0.00
A_51_P378415	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	3.21	2.86	0.00
A_52_P331701	NM_207669	Gabpb1	14391	GA repeat binding protein, beta 1	3.26	2.85	0.00
A_51_P136521	NM_026671	Lypd2	68311	Ly6/Plaur domain containing 2	1.91	2.85	0.06
A_51_P423091	NM_008027	Flot1	14251	flotillin 1	3.85	2.84	0.00
A_52_P636446	NM_001008	Plekhn1	231002	pleckstrin homology domain containing, family N member 1	1.45	2.84	0.55
A_51_P318192	NM_010276	Gem	14579	GTP binding protein (gene overexpressed in skeletal muscle)	2.76	2.84	0.00
A_51_P254646	NM_030887	Jdp2	81703	Jun dimerization protein 2	3.69	2.84	0.00
A_52_P598774	NM_001001	Baz2b	407823	bromodomain adjacent to zinc finger domain, 2B	2.08	2.84	0.03
A_52_P640282	NM_009121	Sat1	20229	spermidine/spermine N1-acetyl transferase 1	2.96	2.84	0.00
A_52_P386075	AK084071	Gm10021	622931	predicted gene 10021	2.17	2.84	0.02
A_52_P447064	AK076401	NA	NA	NA	2.80	2.84	0.00
A_52_P222135	NM_001033	Lrch1	380916	leucine-rich repeats and calponin homology (CH) domain containing 1	2.97	2.83	0.00
A_52_P209184	NM_007791	Csrp1	13007	cysteine and glycine-rich protein 1	2.80	2.83	0.00
A_51_P301117	NA	NA	NA	NA	2.67	2.83	0.00
A_51_P473923	NM_207215	Mycbp2	105689	MYC binding protein 2	2.59	2.83	0.00
A_52_P491508	NM_008576	Abcc1	17250	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	3.73	2.83	0.00
A_51_P235984	NM_008348	Il10ra	16154	interleukin 10 receptor, alpha	2.91	2.82	0.00
A_52_P20765	NM_134164	Syt12	171180	synaptotagmin XII	2.64	2.82	0.00
A_51_P345396	NM_173399	Zbtb5	230119	zinc finger and BTB domain containing 5	1.59	2.82	0.27

A_51_P508029	NM_025823	Pcyox1	66881	prenylcysteine oxidase 1	2.48	2.82	0.00
				glial cell line derived neurotrophic factor family receptor			
A_52_P311022	NM_010279	Gfra1	14585	alpha 1	3.73	2.82	0.00
A_51_P164014	NM_173762	Cenpe	229841	centromere protein E	1.83	2.81	0.09
A_51_P295206	NM_178309	Brip1	237911	BRCA1 interacting protein C-terminal helicase 1	2.03	2.81	0.03
				gremlin 2 homolog, cysteine knot superfamily (Xenopus			
A_51_P152990	NM_011825	Grem2	23893	laevis)	3.38	2.81	0.00
A_52_P631726	NM_001045!	NA	NA	NA	1.87	2.81	0.07
A_51_P362202	NM_175308	Mobkl2c	100465	MOB1, Mps One Binder kinase activator-like 2C (yeast)	3.23	2.81	0.00
A_52_P68440	NA	NA	NA	NA	2.60	2.81	0.00
A_51_P442933	NM_177275	Amigo3	320844	adhesion molecule with Ig like domain 3	2.49	2.81	0.00
A_51_P518528	NM_172920	Dpy19l1	244745	dpy-19-like 1 (C. elegans)	3.19	2.81	0.00
A_51_P318410	AK029097	AI848100	226551	expressed sequence AI848100	2.61	2.80	0.00
A_51_P380861	AK172225	9130208E0	77670	RIKEN cDNA 9130208E07 gene	2.24	2.80	0.01
A_52_P68107	NM_012051	Etv3	27049	ets variant gene 3	3.22	2.80	0.00
A_51_P175681	XR_001627	Gm8995	668139	predicted gene 8995	3.50	2.80	0.00
				transducin-like enhancer of split 3, homolog of			
A_52_P590740	BC056465	Tle3	21887	Drosophila E(spl)	3.57	2.80	0.00
A_52_P445135	NA	NA	NA	NA	3.41	2.80	0.00
A_51_P213544	NM_010637	Klf4	16600	Kruppel-like factor 4 (gut)	1.79	2.80	0.11
A_52_P344160	NM_182995	6330503K2	101565	RIKEN cDNA 6330503K22 gene	2.28	2.80	0.01
A_51_P348494	NM_009121	Sat1	20229	spermidine/spermine N1-acetyl transferase 1	2.91	2.80	0.00
A_52_P462203	NM_146114	Dclre1c	227525	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)	2.94	2.80	0.00
A_51_P493649	NM_023135	Sult1e1	20860	sulfotransferase family 1E, member 1	2.05	2.80	0.03
A_51_P145260	NM_175303	Sall4	99377	sal-like 4 (Drosophila)	1.29	2.80	1.04
A_51_P481930	NM_007662	Cdh15	12555	cadherin 15	1.45	2.80	0.53
A_52_P272217	NM_031373	Ogfr	72075	opioid growth factor receptor	3.62	2.80	0.00
A_51_P438165	NM_153800	Arhgap22	239027	Rho GTPase activating protein 22	2.88	2.79	0.00
A_52_P640474	NM_013531	Gnb4	14696	guanine nucleotide binding protein (G protein), beta 4	2.58	2.79	0.00
A_51_P331752	NM_011330	Ccl11	20292	chemokine (C-C motif) ligand 11	2.64	2.79	0.00
A_51_P380178	NM_008321	Id3	15903	inhibitor of DNA binding 3	2.81	2.79	0.00

A_51_P453351	NM_172266	Lpgat1	226856	lysophosphatidylglycerol acyltransferase 1	3.41	2.79	0.00
A_52_P200244	NM_011479	Sptlc2	20773	serine palmitoyltransferase, long chain base subunit 2	2.98	2.79	0.00
A_52_P626796	XM_0010067	NA	NA	NA	3.86	2.79	0.00
A_52_P479599	NM_010438	Hk1	15275	hexokinase 1	1.58	2.79	0.28
A_52_P369769	AK170314	Nrg1	211323	neuregulin 1	3.06	2.79	0.00
A_51_P115441	NM_009468	Dpysl3	22240	dihydropyrimidinase-like 3	3.42	2.79	0.00
A_51_P351872	NM_008135	Slc6a9	14664	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	3.42	2.79	0.00
A_52_P357177	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	2.67	2.78	0.00
A_52_P601688	NM_008576	Abcc1	17250	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	2.99	2.78	0.00
A_51_P250049	AK087715	NA	NA	NA	2.20	2.78	0.01
A_51_P215863	AK079230	NA	NA	NA	3.21	2.78	0.00
A_51_P443946	AK018542	9030607L2	71513	RIKEN cDNA 9030607L20 gene	2.92	2.77	0.00
A_52_P152133	NM_023124	H2-Q8	15019	histocompatibility 2, Q region locus 8	3.37	2.77	0.00
A_52_P206627	NM_028032	Ppp2r2a	71978	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	2.46	2.76	0.01
A_51_P136294	NM_021718	Ms4a4b	60361	membrane-spanning 4-domains, subfamily A, member 4B	2.59	2.76	0.00
A_51_P515348	NM_133757	Pgs1	74451	phosphatidylglycerophosphate synthase 1	2.63	2.76	0.00
A_52_P432170	AK021294	2810416G2	1E+08	RIKEN cDNA 2810416G20 gene	2.54	2.76	0.00
A_51_P336325	NM_008768	Orm1	18405	orosomuroid 1	3.05	2.76	0.00
A_51_P182662	NM_010878	Nck1	17973	non-catalytic region of tyrosine kinase adaptor protein 1	2.81	2.76	0.00
A_52_P582261	NM_175115	Ikzf5	67143	IKAROS family zinc finger 5	3.31	2.75	0.00
A_51_P520966	NM_015790	Icosl	50723	icos ligand	3.00	2.75	0.00
A_52_P545255	NM_016856	Cpsf2	51786	cleavage and polyadenylation specific factor 2	2.95	2.75	0.00
A_51_P419389	NM_007561	Bmpr2	12168	bone morphogenic protein receptor, type II (serine/threonine kinase)	2.67	2.75	0.00
A_51_P302538	NM_145458	Pxk	218699	PX domain containing serine/threonine kinase	2.60	2.75	0.00
A_52_P103590	NM_172920	Dpy19l1	244745	dpy-19-like 1 (C. elegans)	2.13	2.74	0.02
A_51_P458781	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	1.94	2.74	0.05
A_51_P421734	NM_011390	Slc12a7	20499	solute carrier family 12, member 7	3.04	2.74	0.00

A_52_P342836	NM_001033:NA	NA	NA	protein phosphatase 2 (formerly 2A), regulatory subunit	2.44	2.73	0.01
A_51_P301736	NM_028032	Ppp2r2a	71978	B (PR 52), alpha isoform	3.34	2.73	0.00
A_52_P858226	AK013332	2810452K0	72784	RIKEN cDNA 2810452K05 gene	2.36	2.73	0.01
A_51_P454008	NM_008489	Lbp	16803	lipopolysaccharide binding protein	2.39	2.73	0.01
A_52_P135398	NA	NA	NA	NA	3.12	2.73	0.00
A_51_P202512	NM_173182	Fndc3b	72007	fibronectin type III domain containing 3B	2.25	2.72	0.01
A_52_P1147595	AK033690	9130221J1	102123	RIKEN cDNA 9130221J18 gene	2.37	2.72	0.01
A_52_P681557	XM_149291	NA	NA	NA	2.99	2.72	0.00
A_51_P174653	NM_019643	Fam60a	56306	family with sequence similarity 60, member A	2.92	2.72	0.00
A_51_P488175	AK053606	Phf20l1	239510	PHD finger protein 20-like 1	3.12	2.72	0.00
A_52_P113591	NM_011236	Rad52	19365	RAD52 homolog (<i>S. cerevisiae</i>)	3.60	2.72	0.00
A_51_P186531	NM_025289	Tbrg1	21376	transforming growth factor beta regulated gene 1	3.05	2.72	0.00
A_52_P54439	NM_010878	Nck1	17973	non-catalytic region of tyrosine kinase adaptor protein 1	3.05	2.72	0.00
A_51_P142744	NM_172294	Sulf1	240725	sulfatase 1	1.76	2.72	0.13
A_51_P148037	NM_177364	Sh3pxd2b	268396	SH3 and PX domains 2B CD47 antigen (Rh-related antigen, integrin-associated	2.85	2.72	0.00
A_51_P200535	AK164165	Cd47	16423	signal transducer)	2.43	2.72	0.01
A_52_P653719	NM_009005	Rab7	19349	RAB7, member RAS oncogene family	3.16	2.72	0.00
A_52_P437860	NM_026054	2810474O1	167246	RIKEN cDNA 2810474O19 gene	2.41	2.72	0.01
A_51_P377376	NM_178846	Gnl3	30877	guanine nucleotide binding protein-like 3 (nucleolar)	2.59	2.72	0.00
A_51_P283590	NM_010730	Anxa1	16952	annexin A1	3.53	2.71	0.00
A_51_P355852	NM_008856	Prkch	18755	protein kinase C, eta	2.05	2.70	0.03
A_52_P239726	AK052358	Larp4	207214	La ribonucleoprotein domain family, member 4	3.33	2.70	0.00
A_52_P218058	NM_001038	Clec5a	23845	C-type lectin domain family 5, member a	2.90	2.70	0.00
A_52_P493091	NM_008031	Fmr1	14265	fragile X mental retardation syndrome 1 homolog	2.76	2.70	0.00
A_52_P599055	NM_172599	D14Ertd43	218978	DNA segment, Chr 14, ERATO Doi 436, expressed	2.25	2.70	0.01
A_52_P354363	NM_026574	Ino80	68142	INO80 homolog (<i>S. cerevisiae</i>)	2.36	2.70	0.01
A_51_P430450	NM_026454	Ube2f	67921	ubiquitin-conjugating enzyme E2F (putative)	2.68	2.69	0.00
A_52_P609109	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	3.07	2.69	0.00

A_52_P364130	NM_016896	Map3k14	53859	mitogen-activated protein kinase kinase kinase 14	2.82	2.69	0.00
A_52_P404403	NM_011917	Xrn2	24128	5'-3' exoribonuclease 2	2.07	2.69	0.03
A_52_P214740	NM_019949	Ube2l6	56791	ubiquitin-conjugating enzyme E2L 6	2.44	2.69	0.01
A_52_P420138	XM_133543	Akap13	75547	A kinase (PRKA) anchor protein 13	2.33	2.69	0.01
A_52_P436238	NM_013614	Odc1	18263	ornithine decarboxylase, structural 1	2.70	2.69	0.00
A_52_P284203	XR_004371	NA	NA	NA	2.41	2.68	0.01
A_52_P620641	NM_178647	Cggbp1	106143	CGG triplet repeat binding protein 1	1.99	2.68	0.04
A_51_P165060	NM_011396	Slc22a5	20520	solute carrier family 22 (organic cation transporter), member 5	1.98	2.68	0.04
A_52_P372122	NM_173443	Vcpip1	70675	valosin containing protein (p97)/p47 complex interacting protein 1	2.85	2.68	0.00
A_52_P194929	XM_109726	NA	NA	NA	2.30	2.68	0.01
A_52_P328044	NM_011599	Tle1	21885	transducin-like enhancer of split 1, homolog of Drosophila E(spl)	2.30	2.68	0.01
A_52_P416309	NM_173734	Tmem87a	211499	transmembrane protein 87A	2.62	2.68	0.00
A_52_P17081	NM_025408	Acer3	66190	alkaline ceramidase 3	3.29	2.68	0.00
A_51_P178872	NM_027412	Ttc9c	70387	tetratricopeptide repeat domain 9C	2.70	2.68	0.00
A_51_P241861	NM_016921	Tcirg1	27060	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3	2.90	2.67	0.00
A_52_P392674	NM_019736	Acot9	56360	acyl-CoA thioesterase 9	3.21	2.67	0.00
A_52_P565015	NA	NA	NA	NA	1.51	2.67	0.40
A_52_P214573	AK003980	Lysmd3	80289	LysM, putative peptidoglycan-binding, domain containing 3	2.14	2.67	0.02
A_52_P630059	AJ250687	Bag3	29810	BCL2-associated athanogene 3	2.97	2.67	0.00
A_52_P367034	NM_030684	Trim34	94094	tripartite motif-containing 34	2.03	2.67	0.04
A_52_P16472	NM_019643	Fam60a	56306	family with sequence similarity 60, member A	2.86	2.67	0.00
A_51_P385993	NM_009045	Rela	19697	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	3.65	2.67	0.00
A_52_P464962	AK086138	Rbm5	83486	RNA binding motif protein 5	1.52	2.67	0.40
A_52_P104761	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	3.50	2.66	0.00
A_52_P353905	NA	NA	NA	NA	3.17	2.66	0.00
A_52_P395083	AK156874	NA	NA	NA	3.05	2.66	0.00
A_52_P428599	NM_145126	Chi3l4	104183	chitinase 3-like 4	1.89	2.66	0.07

A_52_P280832	NM_183035	Defb34	360211	defensin beta 34 transducin-like enhancer of split 1, homolog of	2.52	2.66	0.00
A_51_P199716	U61362	Tle1	21885	Drosophila E(spl)	2.24	2.66	0.01
A_52_P210893	NM_019980	Litaf	56722	LPS-induced TN factor	2.32	2.66	0.01
A_52_P432580	BC082312	Arid5b	71371	AT rich interactive domain 5B (MRF1-like)	2.08	2.66	0.03
A_51_P359636	NM_011150	Lgals3bp	19039	lectin, galactoside-binding, soluble, 3 binding protein	3.46	2.66	0.00
A_52_P361551	NM_015765	Hspa14	50497	heat shock protein 14	2.90	2.65	0.00
A_51_P366550	BC064447	Whsc1l1	234135	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	2.74	2.65	0.00
A_52_P482063	AK076230	Tra2a	101214	transformer 2 alpha homolog (Drosophila)	2.67	2.65	0.00
A_51_P480241	NM_007921	Elf3	13710	E74-like factor 3	2.85	2.65	0.00
A_51_P161362	NM_145552	Gnl2	230737	guanine nucleotide binding protein-like 2 (nucleolar) SPT2, Suppressor of Ty, domain containing 1 (S.	2.67	2.65	0.00
A_51_P375509	NM_175318	Spty2d1	101685	cerevisiae)	3.07	2.65	0.00
A_51_P516861	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	1.76	2.64	0.13
A_52_P229770	XM_133543	Akap13	75547	A kinase (PRKA) anchor protein 13	3.22	2.64	0.00
A_52_P320044	XM_898838	NA	NA	NA	2.27	2.64	0.01
A_52_P527500	NM_080446	Helb	117599	helicase (DNA) B	3.26	2.64	0.00
A_51_P511691	NM_025976	Bfar	67118	bifunctional apoptosis regulator	2.88	2.64	0.00
A_51_P168762	NM_178589	Tnfrsf21	94185	tumor necrosis factor receptor superfamily, member 21	3.05	2.64	0.00
A_51_P496273	NM_023502	Elf2	69257	E74-like factor 2	2.84	2.64	0.00
A_52_P315421	NM_001045!	NA	NA	NA	1.48	2.64	0.46
A_52_P222230	AK040896	NA	NA	NA	1.94	2.64	0.05
A_51_P299527	AJ132857	BC014805	236149	cDNA sequence BC014805	2.15	2.64	0.02
A_51_P212515	NM_178726	Ppm1l	242083	protein phosphatase 1 (formerly 2C)-like	3.22	2.64	0.00
A_52_P522166	BU509931	2810026P1	72655	RIKEN cDNA 2810026P18 gene	3.02	2.64	0.00
A_52_P318438	NM_008667	Nab1	17936	Ngfi-A binding protein 1	2.34	2.63	0.01
A_51_P475646	NA	NA	NA	NA	2.88	2.63	0.00
A_51_P416689	NM_010162	Ext1	14042	exostoses (multiple) 1	2.66	2.63	0.00
A_51_P520384	NM_007502	Atp1b3	11933	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	2.82	2.63	0.00
A_52_P652999	NM_178362	Sorbs1	20411	sorbin and SH3 domain containing 1	3.05	2.62	0.00

A_52_P605319	NM_199148	BC051665	218275	cDNA sequence BC051665	1.90	2.62	0.06
A_51_P228073	AK041075	Susd1	634731	sushi domain containing 1 TPX2, microtubule-associated protein homolog (Xenopus laevis)	2.84	2.62	0.00
A_51_P369200	NM_028109	Tpx2	72119		1.90	2.62	0.06
A_52_P675395	NM_007722	Cxcr7	12778	chemokine (C-X-C motif) receptor 7	2.82	2.62	0.00
A_51_P321331	NM_011479	Sptlc2	20773	serine palmitoyltransferase, long chain base subunit 2	2.76	2.62	0.00
A_52_P544052	NM_001001	Baz2b	407823	bromodomain adjacent to zinc finger domain, 2B	3.38	2.62	0.00
A_52_P87713	NM_001044	Timp1	21857	tissue inhibitor of metalloproteinase 1	2.82	2.61	0.00
A_51_P262238	NM_021885	Tub	22141	tubby candidate gene	2.31	2.61	0.01
A_52_P13783	AK028922	4930523C0	67647	RIKEN cDNA 4930523C07 gene phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	2.47	2.61	0.00
A_51_P447835	NM_013737	Pla2g7	27226		1.99	2.61	0.04
A_52_P391103	NM_013498	Crem	12916	cAMP responsive element modulator	2.12	2.61	0.02
A_51_P513392	NM_013727	Azi2	27215	5-azacytidine induced gene 2	2.84	2.61	0.00
A_52_P356204	NM_181547	Nostrin	329416	nitric oxide synthase trafficker	2.46	2.61	0.00
A_51_P374651	BC065123	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	2.30	2.61	0.01
A_51_P141546	NM_011016	Orm2	18406	orosomuroid 2	2.24	2.61	0.01
A_52_P448648	NM_021411	Rab37	58222	RAB37, member of RAS oncogene family	2.60	2.60	0.00
A_52_P317356	XM_900563	NA	NA	NA	2.65	2.60	0.00
A_52_P686095	AK046888	Acer2	230379	alkaline ceramidase 2	2.45	2.60	0.01
A_52_P563475	NM_026160	Map1lc3b	67443	microtubule-associated protein 1 light chain 3 beta	3.32	2.60	0.00
A_52_P189038	AK161102	Rbms1	56878	RNA binding motif, single stranded interacting protein 1	2.26	2.60	0.01
A_52_P663585	NM_001024	10-Sep	103080	septin 10	2.99	2.60	0.00
A_51_P200339	NM_198037	Cachd1	320508	cache domain containing 1	2.72	2.60	0.00
A_52_P229271	NM_027869	Pnpt1	71701	polyribonucleotide nucleotidyltransferase 1	2.86	2.59	0.00
A_52_P546635	NM_011546	Zeb1	21417	zinc finger E-box binding homeobox 1	2.72	2.59	0.00
A_51_P352924	NM_010193	Fem1b	14155	feminization 1 homolog b (C. elegans)	3.04	2.59	0.00
A_52_P49945	NM_146239	Cdk17	237459	cyclin-dependent kinase 17	2.56	2.59	0.00
A_52_P269717	NA	NA	NA	NA	2.78	2.59	0.00
A_52_P356562	NA	NA	NA	NA	2.95	2.59	0.00

A_51_P133562	NM_007618	Serpina6	12401	serine (or cysteine) peptidase inhibitor, clade A, member 6	2.86	2.59	0.00
A_51_P230507	NM_138953	Ell2	192657	elongation factor RNA polymerase II 2	2.08	2.59	0.03
A_52_P526565	NM_016744	Pde1a	18573	phosphodiesterase 1A, calmodulin-dependent	2.51	2.59	0.00
A_52_P174915	NM_010288	Gja1	14609	gap junction protein, alpha 1	2.33	2.58	0.01
A_52_P290544	BC007177	Ccn1	56706	cyclin L1	2.56	2.58	0.00
A_52_P250268	AK034769	9430034N1	1320811	RIKEN cDNA 9430034N14 gene	2.93	2.58	0.00
A_51_P369371	NM_145500	Ubt1	226122	ubiquitin domain containing 1	3.48	2.58	0.00
A_52_P311491	BC060722	Ibtk	108837	inhibitor of Bruton agammaglobulinemia tyrosine kinase a disintegrin and metallopeptidase domain 9 (meltrin gamma)	2.83	2.57	0.00
A_51_P518378	NM_007404	Adam9	11502		3.11	2.57	0.00
A_51_P364632	NM_011893	Sh3bp2	24055	SH3-domain binding protein 2	2.42	2.57	0.01
A_52_P592828	NM_001024	Adarb1	110532	adenosine deaminase, RNA-specific, B1	2.68	2.57	0.00
A_52_P205255	BC054536	Adam11	11488	a disintegrin and metallopeptidase domain 11	1.60	2.57	0.27
A_52_P531662	NM_027412	Ttc9c	70387	tetratricopeptide repeat domain 9C	1.99	2.56	0.04
A_52_P451834	NM_183262	Stk35	67333	serine/threonine kinase 35	2.62	2.56	0.00
A_51_P433000	AK008733	Chmp4c	66371	chromatin modifying protein 4C	2.32	2.56	0.01
A_51_P475573	NM_010336	Lpar1	14745	lysophosphatidic acid receptor 1	2.21	2.56	0.01
A_51_P363258	NM_133731	Prss22	70835	protease, serine, 22	3.07	2.56	0.00
A_51_P337675	NM_007651	Cd53	12508	CD53 antigen	2.48	2.56	0.00
A_52_P235476	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	2.77	2.56	0.00
A_52_P275324	AK050568	Rbm39	170791	RNA binding motif protein 39	2.44	2.56	0.01
A_51_P445166	NM_019959	C1qtnf1	56745	C1q and tumor necrosis factor related protein 1	3.53	2.56	0.00
A_51_P188782	NM_133777	Ube2s	77891	ubiquitin-conjugating enzyme E2S	2.08	2.55	0.03
A_51_P494196	U14333	Arnt	11863	aryl hydrocarbon receptor nuclear translocator	2.86	2.55	0.00
A_51_P410387	NM_177820	Apol10b	328561	apolipoprotein L 10b	2.13	2.55	0.02
A_51_P256771	NM_009016	Raet1a	19368	retinoic acid early transcript 1, alpha	1.76	2.55	0.13
A_51_P261051	NM_010056	Dlx5	13395	distal-less homeobox 5	1.56	2.55	0.33
A_52_P384916	AK136384	Nfkbiz	80859	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	2.73	2.55	0.00
A_52_P525183	NM_134188	Acot2	171210	acyl-CoA thioesterase 2	1.76	2.55	0.13
A_52_P624648	Y14041	Cflar	12633	CASP8 and FADD-like apoptosis regulator	2.54	2.55	0.00

A_52_P474294	NM_027711	Iqgap2	544963	IQ motif containing GTPase activating protein 2	2.55	2.55	0.00
A_51_P483351	NA	NA	NA	NA	3.49	2.55	0.00
A_51_P508602	NM_009341	Tcp10c	21462	t-complex protein 10c	3.34	2.54	0.00
A_51_P262964	NM_007904	Ednrb	13618	endothelin receptor type B serine (or cysteine) peptidase inhibitor, clade A (alpha-1	1.82	2.54	0.10
A_52_P662025	NM_144834	Serpina10	217847	antiproteinase, antitrypsin), member 10	2.23	2.54	0.01
A_51_P276142	NM_134438	Gpr37l1	171469	G protein-coupled receptor 37-like 1	2.24	2.54	0.01
A_52_P9703	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	1.39	2.54	0.67
A_52_P49406	NM_178668	Pde12	211948	phosphodiesterase 12	2.11	2.54	0.02
A_51_P137452	NM_013809	Cyp2g1	13108	cytochrome P450, family 2, subfamily g, polypeptide 1 v-rel reticuloendotheliosis viral oncogene homolog A	1.98	2.54	0.04
A_52_P186119	NM_009045	Rela	19697	(avian)	3.06	2.54	0.00
A_51_P330331	NM_007807	Cybb	13058	cytochrome b-245, beta polypeptide	2.28	2.54	0.01
A_51_P305583	BC069183	Sp100	20684	nuclear antigen Sp100	3.27	2.54	0.00
A_52_P627816	NM_019984	Tgm1	21816	transglutaminase 1, K polypeptide	1.80	2.54	0.11
A_51_P236846	NM_010171	F3	14066	coagulation factor III	2.35	2.54	0.01
A_51_P504490	NM_172762	Rbm34	52202	RNA binding motif protein 34	3.16	2.54	0.00
A_52_P414464	NM_207649	Rcan2	53901	regulator of calcineurin 2	2.19	2.54	0.02
A_51_P378856	NM_019703	Pfkp	56421	phosphofructokinase, platelet	2.48	2.53	0.00
A_52_P213932	NM_009621	Adamts1	11504	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1	3.19	2.53	0.00
A_51_P249793	NM_175118	Dusp28	67446	dual specificity phosphatase 28	2.51	2.53	0.00
A_51_P288906	NM_019765	Clip1	56430	CAP-GLY domain containing linker protein 1	2.94	2.53	0.00
A_51_P156882	NM_001024	Adarb1	110532	adenosine deaminase, RNA-specific, B1	2.21	2.53	0.01
A_51_P126177	NM_026160	Map1lc3b	67443	microtubule-associated protein 1 light chain 3 beta	2.89	2.53	0.00
A_51_P247799	NM_009812	Casp8	12370	caspase 8	2.44	2.52	0.01
A_51_P346214	NM_013529	Gfpt2	14584	glutamine fructose-6-phosphate transaminase 2	2.42	2.52	0.01
A_51_P419286	NM_030060	Batf3	381319	basic leucine zipper transcription factor, ATF-like 3	2.66	2.52	0.00
A_52_P671812	XM_918536	LOC641192	641192	similar to heat shock protein 8	2.19	2.52	0.01

A_52_P373961	XM_129972	NA	NA	NA	2.90	2.52	0.00
A_52_P96782	NM_028459	Wasl	73178	Wiskott-Aldrich syndrome-like (human)	2.71	2.52	0.00
A_52_P465669	NA	NA	NA	NA	1.59	2.52	0.27
A_52_P226929	NM_207653	Cflar	12633	CASP8 and FADD-like apoptosis regulator	2.83	2.51	0.00
A_52_P1061446	XM_885873	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	3.14	2.51	0.00
A_51_P476018	NM_011446	Sox7	20680	SRY-box containing gene 7	3.02	2.51	0.00
				DNA segment, Chr 4, Brigham & Women's Genetics			
A_51_P172131	NM_026821	D4Bwg095	52829	0951 expressed	2.23	2.51	0.01
A_51_P224227	XM_900563	NA	NA	NA	2.57	2.51	0.00
A_51_P511102	NM_030249	Cttnbp2nl	80281	CTTNBP2 N-terminal like	2.76	2.51	0.00
A_52_P577338	NM_001025	Lrig2	269473	leucine-rich repeats and immunoglobulin-like domains 2	2.08	2.51	0.03
A_52_P442722	BC058699	Nol8	70930	nucleolar protein 8	2.32	2.51	0.01
A_52_P306965	BC020078	Xdh	22436	xanthine dehydrogenase	1.64	2.51	0.21
A_51_P308309	NM_172958	Mtmr12	268783	myotubularin related protein 12	2.47	2.50	0.00
A_52_P477286	NM_173413	Rab8b	235442	RAB8B, member RAS oncogene family	2.02	2.50	0.04
				valosin containing protein (p97)/p47 complex			
A_52_P210206	AK031819	Vcpip1	70675	interacting protein 1	3.16	2.50	0.00
A_52_P385536	AK049305	Ddx58	230073	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	2.48	2.50	0.00
A_52_P650028	XM_891407	Dock10	210293	dedicator of cytokinesis 10	2.27	2.50	0.01
A_51_P261689	AK003078	Ube2s	77891	ubiquitin-conjugating enzyme E2S	2.07	2.50	0.03
				solute carrier family 11 (proton-coupled divalent metal			
A_52_P254298	NM_008732	Slc11a2	18174	ion transporters), member 2	3.17	2.50	0.00
				a disintegrin-like and metallopeptidase (reprolysin type)			
A_52_P400831	NM_001001	Adamts13	279028	with thrombospondin type 1 motif, 13	1.84	2.49	0.09
A_52_P353031	NM_001025	Trim26	22670	tripartite motif-containing 26	2.85	2.49	0.00
				a disintegrin-like and metallopeptidase (reprolysin type)			
A_51_P250597	AK041395	Adamts6	108154	with thrombospondin type 1 motif, 6	1.96	2.49	0.04
A_52_P436258	NM_007569	Btg1	12226	B-cell translocation gene 1, anti-proliferative	1.96	2.49	0.04
A_51_P462153	NM_022314	Tpm3	59069	tropomyosin 3, gamma	2.13	2.49	0.02
A_51_P271897	NA	NA	NA	NA	3.16	2.49	0.00
A_52_P170620	NM_175934	Ppp1r10	52040	protein phosphatase 1, regulatory subunit 10	1.82	2.49	0.10

A_51_P502724	XM_283903	Fam102b	329739	family with sequence similarity 102, member B	2.27	2.48	0.01
A_52_P288873	NM_029362	Chmp4b	75608	chromatin modifying protein 4B	2.84	2.48	0.00
A_52_P395149	NM_177776	Smtnl2	276829	smoothelin-like 2	1.78	2.48	0.12
A_51_P374533	NM_146338	Olfr374	258335	olfactory receptor 374	1.81	2.48	0.11
A_51_P417839	NM_207225	Hdac4	208727	histone deacetylase 4	3.10	2.47	0.00
A_51_P188126	NM_145523	Gca	227960	grancalcin	2.60	2.47	0.00
A_51_P271704	NM_028044	Cnn3	71994	calponin 3, acidic	2.79	2.47	0.00
A_52_P440881	BC048860	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	2.37	2.47	0.01
A_51_P236234	NM_011346	Sell	20343	selectin, lymphocyte	2.01	2.47	0.04
A_51_P142861	NM_009807	Casp1	12362	caspase 1	2.35	2.47	0.01
A_51_P482925	NM_175363	Pphln1	223828	periphilin 1	2.95	2.47	0.00
A_51_P450278	NM_027237	2010003K1	69861	RIKEN cDNA 2010003K11 gene	2.61	2.47	0.00
A_52_P574653	NM_007544	Bid	12122	BH3 interacting domain death agonist	2.88	2.47	0.00
A_51_P223396	NM_025782	NA	NA	NA	2.99	2.47	0.00
A_52_P491507	NM_008576	Abcc1	17250	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	3.22	2.47	0.00
A_51_P293127	NM_173399	Zbtb5	230119	zinc finger and BTB domain containing 5	2.77	2.47	0.00
A_52_P559618	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	2.38	2.47	0.01
A_52_P323503	NA	NA	NA	NA	2.18	2.47	0.02
A_51_P365189	NM_133990	Il13ra1	16164	interleukin 13 receptor, alpha 1	2.50	2.47	0.00
A_52_P500711	NA	NA	NA	NA	1.52	2.47	0.40
A_52_P203691	NM_207231	Arl5c	217151	ADP-ribosylation factor-like 5C	2.78	2.47	0.00
A_52_P55834	NM_022329	Tor1aip2	240832	torsin A interacting protein 2	2.86	2.46	0.00
A_52_P586004	NM_001033	Hk3	212032	hexokinase 3	2.33	2.46	0.01
A_52_P5855	AK049452	Egfr	13649	epidermal growth factor receptor	2.37	2.46	0.01
A_51_P295442	NM_021605	Nek7	59125	NIMA (never in mitosis gene a)-related expressed kinase 7	2.76	2.46	0.00
A_51_P371710	NM_133211	Tlr7	170743	toll-like receptor 7	1.94	2.46	0.05
A_52_P106620	NM_008764	Tnfrsf11b	18383	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	2.35	2.46	0.01
A_51_P3335650	NM_016888	B3gnt2	53625	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	1.93	2.45	0.05
A_51_P283708	NM_008628	Msh2	17685	mutS homolog 2 (E. coli)	2.35	2.45	0.01

A_52_P119814	NM_001004: Slc13a5	237831	solute carrier family 13 (sodium-dependent citrate transporter), member 5	2.75	2.45	0.00
A_51_P291347	NM_013614 Odc1	18263	ornithine decarboxylase, structural 1	2.58	2.45	0.00
A_52_P683413	NM_010171 F3	14066	coagulation factor III	2.32	2.44	0.01
A_52_P1133703	AA204140 Cd47	16423	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	1.92	2.44	0.06
A_51_P456952	NM_013563 Il2rg	16186	interleukin 2 receptor, gamma chain	2.09	2.44	0.03
A_52_P267564	NM_172728 Creb5	231991	cAMP responsive element binding protein 5	2.45	2.44	0.01
A_52_P328423	NA NA	NA	NA	2.48	2.44	0.00
A_51_P207921	NM_008898 Por	18984	P450 (cytochrome) oxidoreductase	2.69	2.44	0.00
A_51_P242585	NM_181590 Shq1	72171	SHQ1 homolog (<i>S. cerevisiae</i>)	2.73	2.44	0.00
A_51_P196629	XM_283903 Fam102b	329739	family with sequence similarity 102, member B	2.34	2.44	0.01
A_52_P600600	NM_201600 Myo5b	17919	myosin VB	2.09	2.44	0.03
A_52_P156158	NM_024478 Grpel1	17713	GrpE-like 1, mitochondrial	2.15	2.43	0.02
A_51_P162794	NM_010370 Gzma	14938	granzyme A	2.01	2.43	0.04
A_52_P380329	NM_198600 Papd7	210106	PAP associated domain containing 7	2.88	2.43	0.00
A_51_P199927	NM_133878 Rcc1	100088	regulator of chromosome condensation 1	1.55	2.43	0.34
A_52_P54261	NM_178936 Tmem56	99887	transmembrane protein 56	1.87	2.43	0.07
A_51_P380165	NM_029337 Ep400	75560	E1A binding protein p400	2.22	2.43	0.01
A_51_P473919	BC022619 Mycbp2	105689	MYC binding protein 2	2.25	2.43	0.01
A_51_P149946	NM_175094 Pdhx	27402	pyruvate dehydrogenase complex, component X	2.41	2.42	0.01
A_52_P520564	NM_028459 Wasl	73178	Wiskott-Aldrich syndrome-like (human)	2.57	2.42	0.00
A_52_P99848	NM_008840 Pik3cd	18707	phosphatidylinositol 3-kinase catalytic delta polypeptide	2.61	2.42	0.00
A_51_P443344	NM_029344 Acyp2	75572	acylphosphatase 2, muscle type	2.00	2.42	0.04
A_51_P430766	NM_010548 Il10	16153	interleukin 10	1.99	2.42	0.04
A_52_P412167	NM_080467 Atp6v0a4	140494	ATPase, H ⁺ transporting, lysosomal V0 subunit A4	2.73	2.42	0.00
A_51_P472531	NM_029847 Arsk	77041	arylsulfatase K	1.62	2.42	0.24
A_51_P187750	NM_153408 Neurl3	214854	neuralized homolog 3 homolog (<i>Drosophila</i>)	2.65	2.42	0.00
A_52_P665979	XM_900176 NA	NA	NA	2.39	2.41	0.01
A_52_P46102	NM_001009: Pde1a	18573	phosphodiesterase 1A, calmodulin-dependent	3.35	2.41	0.00
A_52_P522157	BC032970 2810026P1	72655	RIKEN cDNA 2810026P18 gene	1.88	2.41	0.07
A_52_P7041	NM_013614 Odc1	18263	ornithine decarboxylase, structural 1	2.59	2.41	0.00
A_51_P517105	NM_012054 Aoah	27052	acyloxyacyl hydrolase	2.82	2.41	0.00

A_52_P320945	NM_172734	Stk38l	232533	serine/threonine kinase 38 like	1.73	2.41	0.15
A_52_P289893	NM_181650	Prdm4	72843	PR domain containing 4	3.04	2.41	0.00
A_52_P361899	XM_001001	Gm8818	667795	predicted gene 8818	2.49	2.41	0.00
A_52_P602292	XM_914954	Gm270	667488	predicted gene 270	1.33	2.41	0.86
A_52_P502267	NM_172663	Epc2	227867	enhancer of polycomb homolog 2 (Drosophila)	3.17	2.41	0.00
A_52_P669035	NM_009899	Clca1	12722	chloride channel calcium activated 1	2.72	2.41	0.00
A_51_P193852	NM_027297	Prpf4	70052	PRP4 pre-mRNA processing factor 4 homolog (yeast)	2.11	2.40	0.02
A_51_P242591	AK012978	Shq1	72171	SHQ1 homolog (S. cerevisiae)	2.61	2.40	0.00
A_51_P259459	NM_010908	Nfkbib	18036	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	3.36	2.40	0.00
A_51_P327016	NM_016744	Pde1a	18573	phosphodiesterase 1A, calmodulin-dependent	2.51	2.40	0.00
A_52_P680436	NM_025793	Wdr45l	66840	Wdr45 like	2.54	2.40	0.00
A_51_P500215	NM_173743	Apol9b	71898	apolipoprotein L 9b	2.13	2.40	0.02
A_52_P105501	NM_022885	Slc30a5	69048	solute carrier family 30 (zinc transporter), member 5	2.36	2.39	0.01
A_51_P145541	NM_020296	Rbms1	56878	RNA binding motif, single stranded interacting protein 1	2.45	2.39	0.01
A_52_P188261	NM_001025	Camk2d	108058	calcium/calmodulin-dependent protein kinase II, delta	2.25	2.39	0.01
A_51_P105879	NM_201600	Myo5b	17919	myosin VB	2.00	2.39	0.04
A_52_P463235	NM_027496	Ankrd33b	67434	ankyrin repeat domain 33B	1.62	2.39	0.22
A_51_P279712	NM_145923	Rel1	100532	RELT-like 1	1.70	2.39	0.16
A_51_P381618	NM_134102	Pla1a	85031	phospholipase A1 member A	2.33	2.39	0.01
A_51_P197146	AK017886	5830400J0	74739	RIKEN cDNA 5830400J07 gene	2.65	2.39	0.00
A_51_P130057	NM_175523	Ppm1k	243382	protein phosphatase 1K (PP2C domain containing) DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked	2.55	2.39	0.00
A_51_P418420	NM_010028	Ddx3x	13205	linked	2.55	2.38	0.00
A_52_P671534	AK037669	Abhd8	64296	abhydrolase domain containing 8	2.51	2.38	0.00
A_52_P510987	NM_175628	A2m	232345	alpha-2-macroglobulin	1.31	2.38	0.97
A_52_P609387	AK044402	AI848100	226551	expressed sequence AI848100	2.40	2.38	0.01
A_51_P183940	NM_016866	Stk39	53416	serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	2.21	2.38	0.01

A_51_P394324	NM_207636	Fndc3a	319448	fibronectin type III domain containing 3A	2.59	2.38	0.00
A_51_P121891	NM_009008	Rac2	19354	RAS-related C3 botulinum substrate 2	2.30	2.38	0.01
A_51_P433960	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	2.06	2.38	0.03
A_52_P599038	NM_025976	Bfar	67118	bifunctional apoptosis regulator	2.62	2.38	0.00
A_52_P472936	BC048817	Ythdc1	231386	YTH domain containing 1	2.45	2.38	0.01
A_52_P141338	NM_022816	Acot10	64833	acyl-CoA thioesterase 10	2.39	2.37	0.01
A_52_P755824	AK078024	NA	NA	NA	2.50	2.37	0.00
A_51_P188141	NM_008522	Ltf	17002	lactotransferrin	2.55	2.37	0.00
A_52_P650307	NM_178045	Rassf4	213391	Ras association (RalGDS/AF-6) domain family member 4	2.18	2.37	0.02
A_51_P209873	NM_024287	Rab6	19346	RAB6, member RAS oncogene family	1.99	2.37	0.04
A_51_P389895	NM_028787	Slc35f5	74150	solute carrier family 35, member F5	2.76	2.37	0.00
A_52_P563860	AK036870	Nck1	17973	non-catalytic region of tyrosine kinase adaptor protein 1	2.47	2.37	0.00
A_51_P339962	NM_027545	Cwf19I2	244672	CWF19-like 2, cell cycle control (<i>S. pombe</i>)	2.87	2.37	0.00
A_51_P241213	AK020696	A030005L1	77922	RIKEN cDNA A030005L19 gene	1.72	2.37	0.15
A_52_P403484	BC008269	Ptpn2	19255	protein tyrosine phosphatase, non-receptor type 2	2.95	2.37	0.00
A_52_P279658	NM_009817	Cast	12380	calpastatin	2.04	2.36	0.03
A_52_P663526	NM_145497	BC016495	225994	cDNA sequence BC016495	1.71	2.36	0.16
A_52_P47846	AF143181	Fcgr1	14129	Fc receptor, IgG, high affinity I	2.29	2.36	0.01
A_51_P375267	U58884	Dbnl	13169	drebrin-like	2.57	2.36	0.00
A_52_P1116002	AK048761	NA	NA	NA	2.44	2.36	0.01
A_51_P304876	NM_033077	D1Pas1	110957	DNA segment, Chr 1, Pasteur Institute 1	2.00	2.36	0.04
A_51_P179864	NM_016979	Prkx	19108	protein kinase, X-linked	2.82	2.36	0.00
A_51_P235801	NM_007564	Zfp3611	12192	zinc finger protein 36, C3H type-like 1	2.09	2.36	0.03
A_52_P195107	NM_021359	Itgb6	16420	integrin beta 6	2.26	2.36	0.01
A_52_P151853	NM_001025	Tpd52	21985	tumor protein D52	2.41	2.36	0.01
A_52_P154800	NM_139269	Pla2g16	225845	phospholipase A2, group XVI	1.40	2.36	0.67
A_51_P383320	NM_009543	Rnf103	22644	ring finger protein 103	2.66	2.35	0.00
A_51_P519295	NM_009817	Cast	12380	calpastatin	2.57	2.35	0.00
A_52_P35174	NM_011710	Wars	22375	tryptophanyl-tRNA synthetase	2.33	2.35	0.01
A_52_P587738	NM_008773	P2ry2	18442	purinergic receptor P2Y, G-protein coupled 2	2.25	2.35	0.01

A_51_P493886	NM_173866	Gpt2	108682	glutamic pyruvate transaminase (alanine aminotransferase) 2	1.92	2.35	0.06
A_52_P189618	NM_028768	Armc8	74125	armadillo repeat containing 8	2.30	2.35	0.01
A_52_P552580	NM_025895	Med28	66999	mediator of RNA polymerase II transcription, subunit 28 homolog (yeast)	2.80	2.34	0.00
A_52_P127842	NA	NA	NA	NA	1.72	2.34	0.15
A_51_P419711	NM_001039	Tmsb10	19240	thymosin, beta 10	1.83	2.34	0.09
A_51_P475672	AK137576	Slc7a1	11987	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	2.66	2.34	0.00
A_52_P116264	NM_175236	Adhfe1	76187	alcohol dehydrogenase, iron containing, 1	2.29	2.34	0.01
A_51_P457306	NM_015775	Tmprss2	50528	transmembrane protease, serine 2	2.08	2.34	0.03
A_51_P265374	NM_011979	Vnn3	26464	vanin 3	2.38	2.34	0.01
A_52_P537590	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	3.24	2.34	0.00
A_51_P148311	NM_028850	Chic2	74277	cysteine-rich hydrophobic domain 2	2.91	2.34	0.00
A_51_P405476	NM_010185	Fcer1g	14127	Fc receptor, IgE, high affinity I, gamma polypeptide	2.46	2.33	0.00
A_52_P474902	BC030415	Col20a1	73368	collagen, type XX, alpha 1	2.15	2.33	0.02
A_51_P262340	BC106176	Rbm3	19652	RNA binding motif protein 3	2.75	2.33	0.00
A_52_P714621	AK008061	2010003D2	76725	RIKEN cDNA 2010003D24 gene	2.10	2.33	0.03
A_51_P304500	NM_001025	Tapbp	21356	TAP binding protein	2.67	2.33	0.00
A_52_P61102	NM_011388	Slc10a2	20494	solute carrier family 10, member 2	1.84	2.33	0.09
A_52_P104961	NA	NA	NA	NA	2.04	2.33	0.03
A_52_P646515	NM_013748	Clnk	27278	cytokine-dependent hematopoietic cell linker	1.37	2.32	0.77
A_51_P328725	NM_010831	Sik1	17691	salt inducible kinase 1	1.83	2.32	0.09
A_52_P475229	NM_029337	Ep400	75560	E1A binding protein p400	2.00	2.32	0.04
A_51_P336833	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	2.36	2.32	0.01
A_52_P98140	BE865018	NA	NA	NA	2.35	2.32	0.01
A_52_P176234	NM_011240	Ranbp2	19386	RAN binding protein 2	2.06	2.32	0.03
A_52_P646808	AK169921	Otud5	54644	OTU domain containing 5	2.01	2.31	0.04
A_52_P307267	NM_008477	Ktn1	16709	kinectin 1	2.49	2.31	0.00
A_52_P444480	NM_023438	Tmem132e	270893	transmembrane protein 132E	3.20	2.31	0.00
A_51_P189269	NM_175341	Mbnl2	105559	muscleblind-like 2	2.55	2.31	0.00
A_52_P487303	NM_011246	Rasgrp1	19419	RAS guanyl releasing protein 1	2.31	2.31	0.01
A_51_P148069	AK172914	Lpgat1	226856	lysophosphatidylglycerol acyltransferase 1	2.71	2.31	0.00

A_52_P255841	NM_031403	Dbr1	83703	debranching enzyme homolog 1 (<i>S. cerevisiae</i>)	2.78	2.31	0.00
A_51_P256766	NM_009016	Raet1a	19368	retinoic acid early transcript 1, alpha	1.74	2.31	0.15
A_51_P226269	NM_025427	1190002H2	66214	RIKEN cDNA 1190002H23 gene	2.03	2.30	0.04
A_51_P499838	NM_009763	Bst1	12182	bone marrow stromal cell antigen 1	1.89	2.30	0.07
A_51_P146753	NM_007781	Csf2rb2	12984	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	2.56	2.30	0.00
A_52_P186485	NA	NA	NA	NA	2.54	2.30	0.00
A_52_P607230	NM_010740	Cd93	17064	CD93 antigen	2.97	2.30	0.00
A_51_P394065	NM_007840	Ddx5	13207	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	3.27	2.30	0.00
A_51_P240374	NM_007731	Col13a1	12817	collagen, type XIII, alpha 1	2.21	2.30	0.01
A_52_P252348	NM_029077	Trim14	74735	tripartite motif-containing 14	2.43	2.30	0.01
A_52_P286520	NM_018824	Slc23a2	54338	solute carrier family 23 (nucleobase transporters), member 2	2.14	2.30	0.02
A_51_P289706	NM_011916	Xrn1	24127	5'-3' exoribonuclease 1	2.27	2.30	0.01
A_52_P598835	AK038660	NA	NA	NA	1.72	2.29	0.15
A_52_P33800	NM_207636	Fndc3a	319448	fibronectin type III domain containing 3A	1.93	2.29	0.05
A_51_P188211	NM_008558	Max	17187	Max protein	1.86	2.29	0.07
A_52_P397944	XM_146900	NA	NA	NA	2.22	2.29	0.01
A_52_P582309	NM_016736	Nub1	53312	negative regulator of ubiquitin-like proteins 1	2.34	2.29	0.01
A_51_P293781	NM_016863	Fkbp1b	14226	FK506 binding protein 1b	2.84	2.29	0.00
A_52_P553820	NA	NA	NA	NA	1.92	2.29	0.06
A_52_P675039	NM_028429	Fhad1	329977	forkhead-associated (FHA) phosphopeptide binding domain 1	2.46	2.29	0.01
A_51_P428372	NM_023785	Ppbp	57349	pro-platelet basic protein	2.05	2.29	0.03
A_52_P507393	NM_026011	Arl8b	67166	ADP-ribosylation factor-like 8B	1.82	2.29	0.10
A_52_P294834	NM_001079	2310038E1	71903	RIKEN cDNA 2310038E17 gene	2.13	2.29	0.02
A_51_P299454	NM_009743	Bcl2l1	12048	BCL2-like 1	2.60	2.29	0.00
A_51_P384999	BC065092	Heatr6	217026	HEAT repeat containing 6	2.40	2.29	0.01
A_51_P276149	NM_146588	Olf1030	258581	olfactory receptor 1030	2.14	2.29	0.02
A_51_P221014	NM_010581	Cd47	16423	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	2.32	2.29	0.01
A_51_P515623	NM_026111	Qpctl	67369	glutaminy-peptide cyclotransferase-like	1.78	2.28	0.12
A_51_P265806	NM_030601	Clca2	80797	chloride channel calcium activated 2	1.94	2.28	0.05
A_52_P512575	NM_175606	Hopx	74318	HOP homeobox	2.31	2.28	0.01

A_52_P457567	AK134619	Slc4a4	54403	solute carrier family 4 (anion exchanger), member 4	2.21	2.28	0.01
A_51_P192501	NM_026240	Gramd3	107022	GRAM domain containing 3	2.99	2.28	0.00
A_52_P73134	NM_130796	Snx18	170625	sorting nexin 18	2.40	2.28	0.01
A_51_P351238	NM_026362	5033414D0	67759	RIKEN cDNA 5033414D02 gene	2.29	2.28	0.01
A_51_P136883	NM_009005	Rab7	19349	RAB7, member RAS oncogene family	2.36	2.28	0.01
A_52_P162967	NM_007642	Cd28	12487	CD28 antigen	1.91	2.28	0.06
A_52_P313905	NM_134122	Nrm	106582	nurim (nuclear envelope membrane protein)	2.19	2.28	0.02
A_51_P212308	NM_009988	Cxadr	13052	coxsackie virus and adenovirus receptor	1.72	2.28	0.15
A_52_P161630	NM_145933	St6gal1	20440	beta galactoside alpha 2,6 sialyltransferase 1	2.68	2.28	0.00
A_51_P369862	NM_178772	Nceh1	320024	arylacetamide deacetylase-like 1	2.18	2.28	0.02
A_52_P276935	NM_001037	Dnajb6	23950	DnaJ (Hsp40) homolog, subfamily B, member 6	2.52	2.27	0.00
A_52_P343856	NM_178661	Creb3l2	208647	cAMP responsive element binding protein 3-like 2	2.30	2.27	0.01
A_52_P535907	NM_145943	BC031781	208768	cDNA sequence BC031781	1.85	2.27	0.09
A_52_P309044	NM_001012	Ccdc55	237859	coiled-coil domain containing 55	2.08	2.27	0.03
A_51_P352782	AK017901	Prkce	18754	protein kinase C, epsilon	2.49	2.27	0.00
A_51_P296755	NM_010186	Fcgr1	14129	Fc receptor, IgG, high affinity I	1.95	2.27	0.05
A_51_P280761	XM_885873	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	2.33	2.27	0.01
A_51_P390967	NM_021398	Slc43a3	58207	solute carrier family 43, member 3	2.40	2.27	0.01
A_51_P418662	AK138110	Rpl27a	26451	ribosomal protein L27A	1.83	2.27	0.09
A_51_P223498	NM_172653	Slc39a10	227059	solute carrier family 39 (zinc transporter), member 10 sema domain, immunoglobulin domain (Ig), and GPI	1.82	2.27	0.09
A_52_P410765	NM_011352	Sema7a	20361	membrane anchor, (semaphorin) 7A	2.36	2.27	0.01
A_52_P334562	NM_009504	Vdr	22337	vitamin D receptor	1.87	2.27	0.07
A_52_P909274	NM_011173	Pros1	19128	protein S (alpha)	2.13	2.27	0.02
A_52_P299053	NM_023587	Ptplb	70757	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	2.76	2.26	0.00
A_51_P333460	AK155591	5430427O1	71398	RIKEN cDNA 5430427O19 gene	2.94	2.26	0.00
A_51_P334344	AK047044	Phf20l1	239510	PHD finger protein 20-like 1	2.60	2.26	0.00
A_51_P274593	NM_212446	Psmf1	228769	proteasome (prosome, macropain) inhibitor subunit 1	2.77	2.26	0.00
A_51_P284045	NA	NA	NA	NA	1.70	2.26	0.16

A_52_P415440	AK132208	Rps12	20042	ribosomal protein S12	2.15	2.26	0.02
A_51_P371635	AK043285	A730081D(	319304	RIKEN cDNA A730081D07 gene	1.57	2.26	0.30
A_52_P481319	NA	NA	NA	NA	1.81	2.26	0.10
A_52_P200703	NM_029078	Pcf11	74737	cleavage and polyadenylation factor subunit homolog (<i>S. cerevisiae</i>)	2.02	2.26	0.04
A_51_P458778	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	1.75	2.26	0.14
A_51_P468742	NM_025697	6330409N(	66674	RIKEN cDNA 6330409N04 gene	2.23	2.26	0.01
A_51_P174434	NM_001014	Cenpj	219103	centromere protein J	1.48	2.26	0.46
A_51_P444934	NM_011518	Sykb	20963	spleen tyrosine kinase	2.28	2.26	0.01
A_52_P231041	NM_178119	Agap1	347722	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	2.38	2.25	0.01
A_51_P123613	BC078630	Nup98	269966	nucleoporin 98	2.34	2.25	0.01
A_51_P131942	NM_027193	Dph5	69740	DPH5 homolog (<i>S. cerevisiae</i>)	2.57	2.25	0.00
A_51_P442719	NM_181399	Usp6nl	98910	USP6 N-terminal like	2.01	2.25	0.04
A_52_P100140	NM_008601	Mitf	17342	microphthalmia-associated transcription factor	1.49	2.25	0.44
A_51_P130841	NA	NA	NA	NA	2.44	2.25	0.01
A_51_P327011	NM_001009	Pde1a	18573	phosphodiesterase 1A, calmodulin-dependent	2.74	2.25	0.00
A_51_P121622	NA	NA	NA	NA	2.44	2.25	0.01
A_52_P636894	AK081953	2010106G(	66552	RIKEN cDNA 2010106G01 gene	2.54	2.24	0.00
A_52_P192071	NM_009805	Cflar	12633	CASP8 and FADD-like apoptosis regulator	2.00	2.24	0.04
A_51_P216550	NM_011641	Trp63	22061	transformation related protein 63	1.84	2.24	0.09
A_51_P441426	NM_019932	Pf4	56744	platelet factor 4	2.01	2.24	0.04
A_51_P310076	NM_010945	Nsmaf	18201	neutral sphingomyelinase (N-SMase) activation associated factor	2.23	2.24	0.01
A_52_P630632	NM_134083	Rcbtb2	105670	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	2.32	2.24	0.01
A_52_P296632	XR_003643	NA	NA	NA	1.61	2.24	0.24
A_52_P95910	NM_011673	Ugcg	22234	UDP-glucose ceramide glucosyltransferase	2.61	2.23	0.00
A_51_P504237	NM_023220	2010106G(	66552	RIKEN cDNA 2010106G01 gene	2.53	2.23	0.00
A_52_P569355	XM_194424	NA	NA	NA	2.26	2.23	0.01
A_51_P261835	NM_025376	Tmem8c	66139	transmembrane protein 8C	2.37	2.23	0.01
A_52_P597461	NM_011386	Skil	20482	SKI-like	2.43	2.23	0.01
A_52_P565396	XM_992322	LOC67670&676708		similar to H-2 class I histocompatibility antigen, L-D alpha chain precursor	2.11	2.23	0.02

A_51_P300936	BC050849	Rbbp8	225182	retinoblastoma binding protein 8	2.51	2.23	0.00
A_51_P204862	NM_026221	Ppfibp1	67533	PTPRF interacting protein, binding protein 1 (liprin beta 1)	1.87	2.23	0.07
A_52_P21986	NM_026062	Fam69a	67266	family with sequence similarity 69, member A	2.11	2.23	0.02
A_51_P206585	NM_009821	Runx1	12394	runt related transcription factor 1	2.57	2.23	0.00
A_52_P131466	NM_009008	Rac2	19354	RAS-related C3 botulinum substrate 2	2.15	2.23	0.02
A_52_P543855	NM_172290	Ntm	235106	neurotrimin	1.56	2.23	0.30
A_51_P453810	NM_207215	Mycbp2	105689	MYC binding protein 2	2.14	2.23	0.02
A_52_P543016	NM_021415	Cacna1h	58226	calcium channel, voltage-dependent, T type, alpha 1H subunit	2.66	2.22	0.00
A_51_P174894	BC050941	Mkl1	223701	MKL (megakaryoblastic leukemia)/myocardin-like 1	2.16	2.22	0.02
A_52_P641414	AK039998	Dennd1b	329260	DENN/MADD domain containing 1B	1.90	2.22	0.07
A_51_P312952	NM_028034	Tdrd12	71981	tudor domain containing 12	2.10	2.22	0.02
A_52_P6994	NM_080446	Helb	117599	helicase (DNA) B	2.39	2.22	0.01
A_51_P426633	NM_153806	Dnttip2	99480	deoxynucleotidyltransferase, terminal, interacting protein 2	2.53	2.22	0.00
A_51_P322871	NM_133816	Sh3bp4	98402	SH3-domain binding protein 4	2.36	2.22	0.01
A_51_P383584	XM_619530	NA	NA	NA	1.80	2.22	0.11
A_52_P103977	NM_178112	Ints8	72656	integrator complex subunit 8	1.89	2.22	0.07
A_52_P622680	NM_029362	Chmp4b	75608	chromatin modifying protein 4B	1.75	2.22	0.14
A_52_P481320	NA	NA	NA	NA	2.18	2.22	0.02
A_52_P147666	NM_023214	Slc30a7	66500	solute carrier family 30 (zinc transporter), member 7	2.13	2.22	0.02
A_51_P296027	NM_024448	Rab12	19328	RAB12, member RAS oncogene family	2.31	2.21	0.01
A_52_P508167	NM_010093	E2f3	13557	E2F transcription factor 3	2.73	2.21	0.00
A_51_P131335	NM_153568	Lrrc66	231296	leucine rich repeat containing 66	2.48	2.21	0.00
A_51_P477440	NM_001029	Sec23ip	207352	Sec23 interacting protein	2.33	2.21	0.01
A_51_P147964	NM_026959	Stx18	71116	syntaxin 18	2.31	2.21	0.01
A_52_P656659	NM_011396	Slc22a5	20520	solute carrier family 22 (organic cation transporter), member 5	1.89	2.21	0.07
A_51_P203675	NM_021407	Trem3	58218	triggering receptor expressed on myeloid cells 3	2.40	2.21	0.01
A_51_P135491	NM_009805	Cflar	12633	CASP8 and FADD-like apoptosis regulator	1.94	2.21	0.05

				1-acylglycerol-3-phosphate O-acyltransferase 4			
A_52_P3029	NM_026644	Agpat4	68262	(lysophosphatidic acid acyltransferase, delta)	1.94	2.21	0.05
A_52_P542912	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	2.06	2.21	0.03
A_51_P101375	NM_145933	St6gal1	20440	beta galactoside alpha 2,6 sialyltransferase 1	1.82	2.21	0.10
A_51_P338924	NM_010509	Ifnar2	15976	interferon (alpha and beta) receptor 2	2.12	2.21	0.02
A_52_P91447	NM_009671	Ankfy1	11736	ankyrin repeat and FYVE domain containing 1	2.26	2.21	0.01
A_51_P372826	NM_145533	Smox	228608	spermine oxidase	2.49	2.21	0.00
A_52_P117420	NM_177089	Tacc1	320165	transforming, acidic coiled-coil containing protein 1	2.48	2.20	0.00
A_51_P367310	NM_028083	Chaf1b	110749	chromatin assembly factor 1, subunit B (p60)	1.88	2.20	0.07
A_52_P246252	NM_007812	Cyp2a5	13087	cytochrome P450, family 2, subfamily a, polypeptide 5	1.72	2.20	0.15
A_52_P512901	NM_019717	Atl2	56298	atlastin GTPase 2	1.57	2.20	0.30
A_52_P398989	NM_139200	Cytip	227929	cytohesin 1 interacting protein	2.15	2.20	0.02
A_52_P544878	AK033698	Nedd4l	83814	neural precursor cell expressed, developmentally down-regulated gene 4-like	1.71	2.20	0.16
A_51_P202408	NM_008967	Ptgir	19222	prostaglandin I receptor (IP)	2.48	2.20	0.00
A_51_P220370	NM_133751	NA	NA	NA	2.57	2.20	0.00
A_51_P506792	NM_001025	Tpd52	21985	tumor protein D52	2.68	2.19	0.00
A_52_P353038	NM_001025	Trim26	22670	tripartite motif-containing 26	2.68	2.19	0.00
A_52_P628590	NM_027514	Pvr	52118	poliovirus receptor	1.89	2.19	0.07
A_51_P511375	NM_011240	Ranbp2	19386	RAN binding protein 2	2.39	2.19	0.01
A_51_P224023	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	2.23	2.19	0.01
A_51_P235798	M58566	Zfp361l	12192	zinc finger protein 36, C3H type-like 1	1.75	2.19	0.14
A_52_P796682	NM_007633	Ccne1	12447	cyclin E1	1.72	2.19	0.15
A_51_P104596	NM_009671	Ankfy1	11736	ankyrin repeat and FYVE domain containing 1	2.19	2.19	0.02
A_52_P1131985	AK038070	Hivep3	16656	human immunodeficiency virus type I enhancer binding protein 3	2.09	2.18	0.03
A_52_P78966	NM_024454	Rab21	216344	RAB21, member RAS oncogene family	1.96	2.18	0.05
A_51_P191116	NA	NA	NA	NA	1.36	2.18	0.82
A_51_P275302	NM_008879	Lcp1	18826	lymphocyte cytosolic protein 1	1.76	2.18	0.13
A_52_P276794	NM_023434	Tox4	268741	TOX high mobility group box family member 4	2.11	2.18	0.02
A_52_P456629	NM_027296	Trnt1	70047	tRNA nucleotidyl transferase, CCA-adding, 1	2.31	2.18	0.01

A_51_P337935	AK008024	Slc7a15	328059	solute carrier family 7 (cationic amino acid transporter, y+ system), member 15	2.54	2.18	0.00
A_52_P507802	NM_010336	Lpar1	14745	lysophosphatidic acid receptor 1	2.45	2.18	0.01
A_51_P111462	NM_172595	Arl15	218639	ADP-ribosylation factor-like 15	2.02	2.18	0.04
A_51_P225808	NM_019963	Stat2	20847	signal transducer and activator of transcription 2	2.60	2.18	0.00
A_52_P540045	AK083897	NA	NA	NA	2.21	2.18	0.01
A_51_P492893	NM_028767	Foxp4	74123	forkhead box P4	2.24	2.18	0.01
A_52_P477229	NA	NA	NA	NA	3.02	2.18	0.00
A_51_P240801	BC046640	Tmem173	72512	transmembrane protein 173	1.78	2.17	0.11
A_52_P650387	NM_001045	Ccnj1	380694	cyclin J-like	2.54	2.17	0.00
A_52_P465886	NM_026240	Gramd3	107022	GRAM domain containing 3	2.41	2.17	0.01
A_51_P467490	AK139909	Larp4	207214	La ribonucleoprotein domain family, member 4	2.58	2.17	0.00
A_51_P199671	NM_172472	Tcf3	209446	transcription factor E3	2.46	2.17	0.01
A_52_P175066	NM_009847	Cd2ap	12488	CD2-associated protein	2.43	2.17	0.01
A_52_P677117	NM_011210	Ptpn22	19264	protein tyrosine phosphatase, receptor type, C	2.42	2.17	0.01
A_51_P185757	NM_177569	NA	NA	NA	2.09	2.17	0.03
A_52_P144858	NM_008466	Kpna3	16648	karyopherin (importin) alpha 3	2.19	2.17	0.02
A_51_P374203	NM_023158	Cxcl16	66102	chemokine (C-X-C motif) ligand 16	2.44	2.17	0.01
A_51_P228232	NM_008028	Flot2	14252	flotillin 2	2.44	2.16	0.01
A_51_P414746	NM_139222	Defb15	246082	defensin beta 15	2.12	2.16	0.02
A_51_P480709	NM_011740	Ywhaz	22631	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	1.84	2.16	0.09
A_52_P166435	AK164165	Cd47	16423	signal transducer)	2.54	2.16	0.00
A_52_P682299	AK085055	Clic4	29876	chloride intracellular channel 4 (mitochondrial)	2.37	2.16	0.01
A_51_P108901	NM_023731	Ccdc86	108673	coiled-coil domain containing 86	2.04	2.16	0.03
A_51_P439876	AK020498	Map4k4	26921	mitogen-activated protein kinase kinase kinase kinase 4	1.96	2.16	0.04
A_51_P509679	BC004786	Igh-VJ558	16061	immunoglobulin heavy chain (J558 family)	1.68	2.16	0.18
A_51_P481342	NM_011673	Ugcg	22234	UDP-glucose ceramide glucosyltransferase	2.31	2.15	0.01
A_51_P405478	J05020	Fcgr1g	14127	Fc receptor, IgE, high affinity I, gamma polypeptide	1.78	2.15	0.12
A_52_P52803	NM_010478	Hspa1b	15511	heat shock protein 1B	1.79	2.15	0.11

A_52_P649685	NM_146083	Sfrs7	225027	splicing factor, arginine/serine-rich 7	2.09	2.15	0.03
A_52_P191193	NM_172595	Arl15	218639	ADP-ribosylation factor-like 15	2.14	2.15	0.02
A_52_P355084	NM_144797	Metrn1	210029	meteorin, glial cell differentiation regulator-like	1.58	2.15	0.28
A_52_P282068	NM_011752	Zfp259	22687	zinc finger protein 259	2.10	2.15	0.03
A_52_P127925	NM_031198	Tcfec	21426	transcription factor EC	1.61	2.15	0.24
A_52_P574214	NM_028244	Rrp1b	72462	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>)	1.68	2.15	0.18
A_51_P464308	NM_013531	Gnb4	14696	guanine nucleotide binding protein (G protein), beta 4	1.45	2.15	0.53
A_51_P288839	NM_138604	Otud5	54644	OTU domain containing 5	2.29	2.15	0.01
A_51_P311621	AK002578	4930453N2	67609	RIKEN cDNA 4930453N24 gene	2.61	2.15	0.00
A_51_P395864	AK021106	C030027H1	177465	RIKEN cDNA C030027H14 gene	2.10	2.15	0.03
A_51_P312885	NM_027898	Gramd1a	52857	GRAM domain containing 1A	2.45	2.15	0.01
A_52_P338266	NA	NA	NA	NA	1.64	2.15	0.21
A_51_P420841	AK054249	Lrrc8b	433926	leucine rich repeat containing 8 family, member B	2.47	2.15	0.00
A_51_P180159	BC004786	Igh-VJ558	16061	immunoglobulin heavy chain (J558 family)	1.45	2.14	0.53
A_52_P236777	AK029403	Setd3	52690	SET domain containing 3 v-maf musculoaponeurotic fibrosarcoma oncogene	1.77	2.14	0.12
A_52_P495869	NM_010658	Mafb	16658	family, protein B (avian)	1.36	2.14	0.82
A_52_P335842	AK050411	Rrbp1	81910	ribosome binding protein 1	2.55	2.14	0.00
A_52_P438082	NM_009884	Cebpg	12611	CCAAT/enhancer binding protein (C/EBP), gamma PTPRF interacting protein, binding protein 1 (liprin beta	1.83	2.14	0.09
A_52_P443846	NM_026221	Ppfibp1	67533	1) valosin containing protein (p97)/p47 complex	1.85	2.14	0.09
A_52_P145767	NM_173443	Vcpip1	70675	interacting protein 1	2.58	2.14	0.00
A_51_P157297	AK030011	4732418C0	230648	RIKEN cDNA 4732418C07 gene	1.96	2.14	0.04
A_51_P467573	NM_011669	Usp12	22217	ubiquitin specific peptidase 12	2.19	2.14	0.02
A_52_P248604	NM_009868	Cdh5	12562	cadherin 5	2.54	2.14	0.00
A_51_P164998	NM_025285	Stmn2	20257	stathmin-like 2	1.78	2.14	0.12
A_51_P432199	NM_021788	Sap30	60406	sin3 associated polypeptide	2.02	2.14	0.04
A_52_P333806	NM_001033	Fam82a2	67809	family with sequence similarity 82, member A2	2.03	2.14	0.04
A_51_P349532	NM_030698	NA	NA	NA	2.66	2.14	0.00

A_52_P380895	NM_001033	Evi2a	14017	ecotropic viral integration site 2a	2.73	2.14	0.00
A_51_P494078	NM_053260	Prss29	114662	protease, serine, 29	2.71	2.14	0.00
A_51_P434503	NM_026981	Dtwd1	69185	DTW domain containing 1	2.52	2.13	0.00
A_52_P35377	NM_018807	Plagl2	54711	pleiomorphic adenoma gene-like 2	2.11	2.13	0.02
A_51_P415519	NM_026407	Tmem39a	67846	transmembrane protein 39a	1.94	2.13	0.05
A_52_P215507	NM_026044	Wdr85	67228	WD repeat domain 85	1.95	2.13	0.05
A_51_P175552	NM_134058	Pelo	105083	pelota homolog (Drosophila)	2.54	2.13	0.00
A_51_P378079	NM_008031	Fmr1	14265	fragile X mental retardation syndrome 1 homolog	2.45	2.13	0.01
A_51_P187579	M17518	NA	NA	NA	2.45	2.13	0.01
A_51_P419666	BC054536	Adam11	11488	a disintegrin and metallopeptidase domain 11	1.43	2.13	0.58
A_52_P624572	NM_009758	Bmpr1a	12166	bone morphogenetic protein receptor, type 1A	2.21	2.13	0.01
				tumor necrosis factor receptor superfamily, member			
A_52_P1068320	NM_009399	Tnfrsf11a	21934	11a	2.35	2.13	0.01
A_52_P273812	NM_053088	Ifitm5	73835	interferon induced transmembrane protein 5	2.10	2.13	0.02
A_52_P540085	NM_011247	Rbbp6	19647	retinoblastoma binding protein 6	2.26	2.13	0.01
A_51_P279704	NM_145923	Rell1	100532	RELT-like 1	2.44	2.13	0.01
A_51_P176086	NM_146187	Ffar2	233079	free fatty acid receptor 2	1.49	2.13	0.44
A_52_P489385	XM_885832	NA	NA	NA	1.85	2.13	0.09
A_52_P453778	XM_620640	NA	NA	NA	2.25	2.13	0.01
A_52_P293232	NM_030705	Mesdc1	80889	mesoderm development candidate 1	1.67	2.13	0.20
A_52_P336159	AK081953	2010106G01	66552	RIKEN cDNA 2010106G01 gene	2.32	2.12	0.01
A_52_P315423	NA	NA	NA	NA	1.52	2.12	0.37
A_52_P491961	NM_145944	Ccdc25	67179	coiled-coil domain containing 25	2.02	2.12	0.04
A_52_P451073	NM_178589	Tnfrsf21	94185	tumor necrosis factor receptor superfamily, member 21	2.42	2.12	0.01
				cysteine rich transmembrane BMP regulator 1 (chordin			
A_51_P496640	AK053197	Crim1	50766	like)	1.84	2.12	0.09
				DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-			
A_52_P395575	NM_010028	Ddx3x	13205	linked	2.32	2.12	0.01
A_51_P452207	NM_008541	Smad5	17129	MAD homolog 5 (Drosophila)	2.21	2.12	0.01
A_51_P362661	NM_178753	Spin4	270624	spindlin family, member 4	1.91	2.12	0.06
A_52_P1189908	BI793804	Sox9	20682	SRY-box containing gene 9	2.64	2.12	0.00
A_51_P429572	NM_026127	4833420G167392		RIKEN cDNA 4833420G17 gene	1.34	2.12	0.86
A_51_P199314	AK164568	Slc38a2	67760	solute carrier family 38, member 2	2.03	2.12	0.04

A_52_P151974	AK017285	Clcn5	12728	chloride channel 5	1.95	2.11	0.05
A_51_P421578	NA	NA	NA	NA	2.62	2.11	0.00
A_51_P411296	NM_016714	Nup50	18141	nucleoporin 50	2.58	2.11	0.00
A_51_P181031	NM_177690	Nlrp2	232827	NLR family, pyrin domain containing 2	1.31	2.11	0.97
A_51_P365932	NM_026250	Gin1	252876	gypsy retrotransposon integrase 1	2.37	2.11	0.01
A_52_P129756	NM_020559	Alas1	11655	aminolevulinic acid synthase 1	2.06	2.11	0.03
A_51_P450854	XM_992913	NA	NA	NA	2.05	2.11	0.03
A_51_P481482	NM_027878	Dram1	71712	DNA-damage regulated autophagy modulator 1	1.63	2.11	0.22
A_52_P389595	NM_030711	Erap1	80898	endoplasmic reticulum aminopeptidase 1	2.38	2.11	0.01
A_52_P494354	NM_027418	Mapk6	50772	mitogen-activated protein kinase 6	1.77	2.11	0.13
A_51_P128463	XM_485455	Grrp1	72690	glycine/arginine rich protein 1	2.18	2.11	0.02
A_51_P127367	NM_008394	Irf9	16391	interferon regulatory factor 9	2.26	2.10	0.01
A_52_P145861	NM_019388	Cd86	12524	CD86 antigen	2.12	2.10	0.02
A_52_P351311	NM_026273	4930453N2	67609	RIKEN cDNA 4930453N24 gene	2.12	2.10	0.02
A_51_P318012	NM_024448	Rab12	19328	RAB12, member RAS oncogene family	2.36	2.10	0.01
A_51_P437559	NM_011589	Timeless	21853	timeless homolog (Drosophila)	2.29	2.10	0.01
A_51_P117835	NM_146441	Olf933	258433	olfactory receptor 933	1.50	2.10	0.44
A_52_P239787	NM_145944	Ccdc25	67179	coiled-coil domain containing 25	2.37	2.10	0.01
A_51_P148597	NM_026045	Prpf18	67229	PRP18 pre-mRNA processing factor 18 homolog (yeast)	2.50	2.10	0.00
A_52_P579933	NM_001029	Slc16a6	104681	solute carrier family 16 (monocarboxylic acid transporters), member 6	1.41	2.10	0.61
A_52_P369581	NM_007499	Atm	11920	ataxia telangiectasia mutated homolog (human)	2.11	2.10	0.02
A_52_P620893	BC030311	Armc8	74125	armadillo repeat containing 8	1.91	2.10	0.06
A_52_P489202	NM_001001	4732465J0	414105	RIKEN cDNA 4732465J04 gene	1.89	2.10	0.07
A_52_P649683	NM_146083	Sfrs7	225027	splicing factor, arginine/serine-rich 7	1.96	2.10	0.04
A_52_P390227	NM_027144	Arhgef12	69632	Rho guanine nucleotide exchange factor (GEF) 12	2.28	2.09	0.01
A_52_P89683	XR_002509	NA	NA	NA	1.81	2.09	0.11
A_51_P255875	NM_011061	Padi4	18602	peptidyl arginine deiminase, type IV	2.36	2.09	0.01
A_52_P72354	NA	NA	NA	NA	1.59	2.09	0.27
A_52_P496734	AK052358	Larp4	207214	La ribonucleoprotein domain family, member 4	2.02	2.09	0.04
A_52_P574710	BC064447	Whsc1l1	234135	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	2.43	2.09	0.01

A_52_P476754	NM_176860	Ubash3b	72828	ubiquitin associated and SH3 domain containing, B	1.99	2.09	0.04
A_51_P392687	NM_011701	Vim	22352	vimentin	1.81	2.09	0.11
A_52_P75975	AK081329	C130006E2	331563	hypothetical protein C130006E23	2.28	2.09	0.01
A_52_P569499	NA	NA	NA	NA	2.34	2.09	0.01
A_51_P472249	NM_011405	Slc7a7	20540	solute carrier family 7 (cationic amino acid transporter, γ + system), member 7	1.62	2.09	0.22
A_51_P260478	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	2.18	2.09	0.02
A_51_P123676	AK034012	Synpo	104027	synaptopodin	2.20	2.09	0.01
A_52_P217240	NM_028292	Ppme1	72590	protein phosphatase methylesterase 1	1.78	2.09	0.11
A_52_P350111	NM_011180	Cyth1	19157	cytohesin 1	1.72	2.09	0.15
A_51_P439085	NM_023516	2310016C0	69573	RIKEN cDNA 2310016C08 gene	1.69	2.09	0.17
A_52_P407239	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	1.78	2.08	0.12
A_52_P17466	NA	NA	NA	NA	1.32	2.08	0.91
A_51_P346964	NM_029844	Mrap	77037	melanocortin 2 receptor accessory protein	2.01	2.08	0.04
A_51_P309056	NM_009868	Cdh5	12562	cadherin 5	1.78	2.08	0.12
A_51_P502054	NM_145546	Gtf2b	229906	general transcription factor IIB	2.18	2.08	0.02
A_52_P640296	AK080318	Fmn12	71409	formin-like 2	2.10	2.08	0.02
A_51_P113058	NM_146658	Olf1131	258652	olfactory receptor 1131	2.23	2.08	0.01
A_51_P253117	NM_178362	Sorbs1	20411	sorbin and SH3 domain containing 1	2.35	2.08	0.01
A_51_P470154	NM_016705	Kif21a	16564	kinesin family member 21A	1.70	2.08	0.16
A_51_P368705	NM_026574	Ino80	68142	INO80 homolog (<i>S. cerevisiae</i>)	2.31	2.08	0.01
A_52_P392456	NM_028810	Rnd3	74194	Rho family GTPase 3	2.02	2.08	0.04
A_52_P572950	NM_007502	Atp1b3	11933	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	1.80	2.08	0.11
A_52_P286391	NM_146096	Fam108b	226016	family with sequence similarity 108, member B	1.43	2.08	0.58
A_52_P2710	NM_023493	Cml5	69049	camello-like 5	1.30	2.08	1.04
A_52_P638319	XM_619609	Gm5828	545306	predicted gene 5828	1.67	2.08	0.20
A_52_P450045	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	2.22	2.07	0.01
A_51_P336830	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	2.01	2.07	0.04
A_51_P462047	NM_172697	Prpf38a	230596	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	1.64	2.07	0.21

A_52_P298854	NM_028244 Rrp1b	72462	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>) Tax1 (human T-cell leukemia virus type I) binding	2.17	2.07	0.02
A_51_P403273	NM_025816 Tax1bp1	52440	protein 1	1.62	2.07	0.22
A_51_P300207	NM_198609 Rsl24d1	225215	ribosomal L24 domain containing 1	1.80	2.07	0.11
A_51_P198835	NM_013760 Dnajb9	27362	Dnaj (Hsp40) homolog, subfamily B, member 9	1.48	2.07	0.46
A_51_P214197	NM_133810 Stk17b	98267	serine/threonine kinase 17b (apoptosis-inducing)	2.05	2.07	0.03
A_52_P2923	NM_019581 Gtpbp2	56055	GTP binding protein 2	2.02	2.07	0.04
A_51_P503261	NM_133897 Lrrc8c	100604	leucine rich repeat containing 8 family, member C	1.95	2.07	0.05
A_51_P413111	AK147389 Ppm1l	242083	protein phosphatase 1 (formerly 2C)-like macrophage stimulating 1 receptor (c-met-related	1.82	2.07	0.09
A_51_P110672	NM_009074 Mst1r	19882	tyrosine kinase)	1.69	2.07	0.17
A_51_P414548	NM_007611 Casp7	12369	caspase 7	1.90	2.07	0.06
A_51_P341130	NM_016721 Iqgap1	29875	IQ motif containing GTPase activating protein 1	2.10	2.07	0.03
A_52_P626756	NM_027296 Trnt1	70047	tRNA nucleotidyl transferase, CCA-adding, 1	2.13	2.06	0.02
A_51_P142515	NM_133738 Antxr2	71914	anthrax toxin receptor 2 phosphatidylinositol 3-kinase, C2 domain containing,	2.25	2.06	0.01
A_52_P364232	NM_011083 Pik3c2a	18704	alpha polypeptide	1.66	2.06	0.20
A_51_P513573	NM_145603 Ces2	234671	carboxylesterase 2	1.80	2.06	0.11
A_52_P424847	NM_013685 Tcf4	21413	transcription factor 4	2.52	2.06	0.00
A_51_P516756	NM_010434 Hipk3	15259	homeodomain interacting protein kinase 3	2.44	2.06	0.01
A_52_P434055	BC011338 Birc3	11796	baculoviral IAP repeat-containing 3	2.33	2.06	0.01
A_51_P166648	NM_027627 4931408AC	70967	RIKEN cDNA 4931408A02 gene	1.69	2.06	0.18
A_52_P152847	NM_008381 Inhbb	16324	inhibin beta-B	1.76	2.06	0.13
A_52_P173402	AK163619 Slc4a4	54403	solute carrier family 4 (anion exchanger), member 4	1.52	2.06	0.40
A_51_P107599	NM_008541 Smad5	17129	MAD homolog 5 (<i>Drosophila</i>)	2.48	2.06	0.00
A_51_P513504	NM_016810 Gosr1	53334	golgi SNAP receptor complex member 1 transporter 2, ATP-binding cassette, sub-family B	2.19	2.05	0.02
A_52_P86176	NM_011530 Tap2	21355	(MDR/TAP)	1.84	2.05	0.09
A_52_P260105	NM_008548 Man1a	17155	mannosidase 1, alpha	1.57	2.05	0.30
A_51_P367060	NM_013562 lfrd1	15982	interferon-related developmental regulator 1	2.09	2.05	0.03

A_52_P373251	AK147497	Atp11a	50770	ATPase, class VI, type 11A	1.65	2.05	0.20
A_52_P109740	NA	NA	NA	NA	2.37	2.05	0.01
A_51_P128929	NM_020559	Alas1	11655	aminolevulinic acid synthase 1	1.99	2.05	0.04
A_51_P151254	NM_134060	Slc35b3	108652	solute carrier family 35, member B3	2.18	2.05	0.02
A_51_P498866	NM_053168	Trim11	94091	tripartite motif-containing 11	2.05	2.05	0.03
A_51_P208152	AK014460	3930402G2	665306	RIKEN cDNA 3930402G23 gene	1.99	2.05	0.04
A_51_P135944	M92418	Stfa2	20862	stefin A2	2.08	2.05	0.03
A_51_P209527	NM_009740	Bcl10	12042	B-cell leukemia/lymphoma 10	2.38	2.05	0.01
A_52_P239834	NM_011210	Ptpcr	19264	protein tyrosine phosphatase, receptor type, C regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	1.76	2.04	0.13
A_51_P138185	NM_134083	Rcbtb2	105670	(POZ) domain containing protein 2	2.07	2.04	0.03
A_52_P247974	NA	NA	NA	NA	1.73	2.04	0.15
A_52_P556290	NM_019927	Arih1	23806	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)	1.94	2.04	0.05
A_51_P201338	NM_144800	Mtss1	211401	metastasis suppressor 1	2.14	2.04	0.02
A_52_P370274	AK171700	Pde4b	18578	phosphodiesterase 4B, cAMP specific	1.53	2.04	0.37
A_52_P451485	NM_172496	Cobl	12808	cordon-bleu	1.82	2.04	0.10
A_52_P592120	NM_027569	Spag9	70834	sperm associated antigen 9	1.73	2.04	0.15
A_51_P170371	NM_031165	Hspa8	15481	heat shock protein 8	2.10	2.04	0.02
A_52_P570690	NM_013415	Atp1b2	11932	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	1.78	2.03	0.12
A_51_P472857	NM_146614	Olfr971	258607	olfactory receptor 971	1.69	2.03	0.18
A_52_P627327	XM_0010037	NA	NA	NA	2.20	2.03	0.01
A_51_P104418	NM_022019	Dusp10	63953	dual specificity phosphatase 10 leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6	1.67	2.03	0.20
A_52_P601383	NM_011090	Lilra6	18726	LysM, putative peptidoglycan-binding, domain containing 3	1.86	2.03	0.07
A_52_P91618	NM_030257	Lysmd3	80289	containing 3	2.01	2.03	0.04
A_51_P411297	NM_016714	Nup50	18141	nucleoporin 50	2.65	2.03	0.00
A_51_P469433	NM_011659	Tnfrsf4	22163	tumor necrosis factor receptor superfamily, member 4	1.84	2.03	0.09
A_52_P668478	NM_146002	Rhbdd2	215160	rhomboid domain containing 2 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	2.04	2.03	0.03
A_51_P346165	NM_026644	Agpat4	68262	(lysophosphatidic acid acyltransferase, delta)	1.78	2.03	0.12
A_52_P414013	NM_153511	Il1f9	215257	interleukin 1 family, member 9	2.15	2.03	0.02

A_51_P157112	NM_008458	Serpina3c	16625	serine (or cysteine) peptidase inhibitor, clade A, member 3C	1.54	2.03	0.34
A_52_P307938	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	2.04	2.03	0.03
A_52_P644020	AK031720	Fem1c	240263	fem-1 homolog c (C.elegans)	1.70	2.03	0.17
A_52_P131367	NM_028864	Zc3hav1	78781	zinc finger CCCH type, antiviral 1	1.73	2.03	0.15
A_51_P294970	NM_172606	6-Mar	223455	membrane-associated ring finger (C3HC4) 6	2.00	2.03	0.04
A_51_P516860	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	2.52	2.02	0.00
A_51_P497875	NM_026489	Hormad1	67981	HORMA domain containing 1	1.84	2.02	0.09
A_51_P456941	NM_010500	Ier5	15939	immediate early response 5	1.59	2.02	0.27
A_52_P443435	AK084997	B930095G1320268		RIKEN cDNA B930095G15 gene	1.68	2.02	0.18
A_51_P304469	NM_011504	Stxbp3a	20912	syntaxin binding protein 3A	1.95	2.02	0.05
A_52_P92121	AK053456	Ankrd33b	67434	ankyrin repeat domain 33B	1.33	2.02	0.91
A_52_P636038	NM_016694	Park2	50873	Parkinson disease (autosomal recessive, juvenile) 2, parkin	1.41	2.02	0.61
A_52_P398998	NM_010279	Gfra1	14585	glial cell line derived neurotrophic factor family receptor alpha 1	1.66	2.02	0.20
A_51_P383140	NM_009289	Slk	20874	STE20-like kinase (yeast)	1.81	2.02	0.11
A_52_P510706	NM_019794	Dnaja2	56445	Dnaj (Hsp40) homolog, subfamily A, member 2	1.69	2.02	0.17
A_51_P131661	NM_024182	Riok3	66878	RIO kinase 3 (yeast)	1.75	2.02	0.14
A_52_P407220	NM_146194	Picalm	233489	phosphatidylinositol binding clathrin assembly protein	1.57	2.02	0.30
A_52_P207203	NM_053124	Smarca5	93762	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	2.05	2.02	0.03
A_51_P137029	NM_019588	Plce1	74055	phospholipase C, epsilon 1	1.97	2.01	0.04
A_52_P151467	NM_027498	Sik3	70661	SIK family kinase 3	1.52	2.01	0.37
A_52_P23379	NM_144804	Depdc7	211896	DEP domain containing 7	2.75	2.01	0.00
A_52_P338698	AK050066	Pzp	11287	pregnancy zone protein	1.49	2.01	0.44
A_52_P81252	NM_172599	D14Ertd43i	218978	DNA segment, Chr 14, ERATO Doi 436, expressed	1.81	2.01	0.11
A_51_P487941	NM_183286	Dhrs13	70451	dehydrogenase/reductase (SDR family) member 13	1.87	2.01	0.07
A_51_P480209	NM_007889	Dvl3	13544	dishevelled 3, dsh homolog (Drosophila)	2.01	2.01	0.04
A_51_P258381	BC010717	Kdm5a	214899	lysine (K)-specific demethylase 5A	1.84	2.01	0.09

A_52_P932831	NA	NA	NA	NA	1.43	2.01	0.58
				transducin-like enhancer of split 1, homolog of			
A_52_P330694	AY155196	Tle1	21885	Drosophila E(spl)	2.19	2.01	0.02
A_52_P558411	NM_010833	Msn	17698	moesin	1.70	2.01	0.17
A_51_P380260	NM_008448	Kif5b	16573	kinesin family member 5B	1.77	2.01	0.12
A_52_P383066	AB022307	Il15	16168	interleukin 15	2.33	2.01	0.01
A_52_P384931	AK158516	Usp3	235441	ubiquitin specific peptidase 3	1.32	2.01	0.91
A_51_P288193	NM_007569	Btg1	12226	B-cell translocation gene 1, anti-proliferative	1.67	2.01	0.20
A_51_P172231	NM_026960	Gsdmd	69146	gasdermin D	2.08	2.01	0.03
A_51_P405956	NA	NA	NA	NA	1.81	2.01	0.10
				potassium channel tetramerisation domain containing			
A_52_P266065	NM_177715	Kctd12	239217	12	1.80	2.01	0.11
A_51_P293489	NM_139065	Rbm47	245945	RNA binding motif protein 47	2.28	2.01	0.01
A_51_P114966	NM_026317	Prss37	67690	protease, serine, 37	2.39	2.01	0.01
A_52_P497625	AK041324	A630001G21	319997	RIKEN cDNA A630001G21 gene	2.27	2.00	0.01
A_52_P317524	NM_153165	Klhl15	236904	kelch-like 15 (Drosophila)	1.90	2.00	0.07
				COX18 cytochrome c oxidase assembly homolog (S.			
A_52_P665768	NM_001033	Cox18	231430	cerevisiae)	1.95	2.00	0.05
A_51_P189292	NM_138657	Socs7	192157	suppressor of cytokine signaling 7	1.87	2.00	0.07
A_51_P273800	NM_018760	Slc4a4	54403	solute carrier family 4 (anion exchanger), member 4	1.89	2.00	0.07
A_51_P236656	NM_029943	Apex2	77622	apurinic/aprimidinic endonuclease 2	2.31	2.00	0.01
A_52_P411780	NM_024124	Hdac9	79221	histone deacetylase 9	1.59	2.00	0.28
A_52_P14496	AK132653	Gm9880	1E+08	predicted gene 9880	2.40	2.00	0.01
A_51_P179604	NM_010282	Ggps1	14593	geranylgeranyl diphosphate synthase 1	2.13	2.00	0.02
A_51_P172292	NM_018746	Itih4	16427	inter alpha-trypsin inhibitor, heavy chain 4	1.73	2.00	0.15
A_52_P223083	BC050264	Pfkip	56421	phosphofructokinase, platelet	2.22	2.00	0.01
A_51_P391328	NM_030236	Fbxo34	78938	F-box protein 34	1.63	2.00	0.22
A_51_P119932	NM_175164	Arhgap26	71302	Rho GTPase activating protein 26	1.64	2.00	0.21
A_52_P62270	NM_026045	Prpf18	67229	PRP18 pre-mRNA processing factor 18 homolog (yeast)	1.83	2.00	0.09
A_52_P424037	NM_019553	Ddx21	56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	2.28	2.00	0.01
A_51_P117226	NA	NA	NA	NA	2.08	2.00	0.03
A_51_P253883	NM_029758	Fam49a	76820	family with sequence similarity 49, member A	1.70	2.00	0.16

A_52_P381665	AK030884	Aff1	17355	AF4/FMR2 family, member 1	2.28	2.00	0.01
A_52_P4538	NM_009370	Tgfbr1	21812	transforming growth factor, beta receptor I	1.31	2.00	0.97
A_51_P326051	AK152714	2010106G01	66552	RIKEN cDNA 2010106G01 gene	1.83	1.99	0.09
A_51_P494361	NM_175341	Mbnl2	105559	muscleblind-like 2	2.19	1.99	0.02
A_51_P130957	NM_030198	Gins3	78833	GIN5 complex subunit 3 (Psf3 homolog)	1.84	1.99	0.09
A_52_P184383	NM_007508	Atp6v1a	11964	ATPase, H+ transporting, lysosomal V1 subunit A	1.92	1.99	0.06
A_52_P3304	NM_080446	Helb	117599	helicase (DNA) B	1.61	1.99	0.24
A_51_P174943	NM_008485	Lamc2	16782	laminin, gamma 2	1.78	1.99	0.12
A_51_P189151	AK028396	Kbtbd2	210973	kelch repeat and BTB (POZ) domain containing 2	2.32	1.99	0.01
A_51_P314701	NM_011180	Cyth1	19157	cytohesin 1	1.51	1.99	0.40
A_52_P287456	NM_145523	Gca	227960	grancalcin	2.39	1.99	0.01
A_51_P520310	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	2.00	1.99	0.04
A_51_P469817	AK163070	A630052E07	320726	RIKEN cDNA A630052E07 gene	1.72	1.99	0.15
A_51_P190765	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	2.33	1.99	0.01
A_52_P582555	NM_172991	C030048B08	269623	RIKEN cDNA C030048B08 gene	1.70	1.99	0.17
A_51_P308469	NM_011884	Rngtt	24018	RNA guanylyltransferase and 5'-phosphatase	1.99	1.99	0.04
A_52_P1077588	XM_902919	NA	NA	NA	1.87	1.99	0.07
A_51_P122017	NM_001017	Kdm6b	216850	KDM1 lysine (K)-specific demethylase 6B	1.77	1.99	0.12
A_51_P388412	NM_010016	Cd55	13136	CD55 antigen	2.08	1.99	0.03
A_52_P134158	NM_024182	Riok3	66878	RIO kinase 3 (yeast)	1.95	1.99	0.05
A_52_P556355	NA	NA	NA	NA	1.44	1.98	0.55
A_51_P259378	NM_030743	Rnf114	81018	ring finger protein 114	1.88	1.98	0.07
A_51_P488789	AK137262	Cdk12	69131	cyclin-dependent kinase 12	1.43	1.98	0.58
A_52_P637829	NM_080558	Ssfa2	70599	sperm specific antigen 2	1.35	1.98	0.82
A_51_P115768	BB354941	NA	NA	NA	1.66	1.98	0.20
A_51_P200277	NM_023475	Serhl	68607	serine hydrolase-like	2.00	1.98	0.04
A_51_P466858	NM_001039	Asxl1	228790	additional sex combs like 1 (Drosophila)	2.07	1.98	0.03
A_52_P292528	NM_023603	Sfpq	71514	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)	2.19	1.98	0.02
A_52_P218976	NM_173369	Cyld	74256	cylindromatosis (turban tumor syndrome)	1.84	1.98	0.09
A_51_P193925	AK011505	Mapk6	50772	mitogen-activated protein kinase 6	1.84	1.98	0.09
A_52_P399580	NM_013499	Cr1l	12946	complement component (3b/4b) receptor 1-like	2.31	1.98	0.01
A_51_P488340	NM_016715	Crlf2	57914	cytokine receptor-like factor 2	1.63	1.98	0.22
A_51_P157994	NM_001037	Dab2	13132	disabled homolog 2 (Drosophila)	1.71	1.98	0.16

A_52_P235064	AY550908	Ubr5	70790	ubiquitin protein ligase E3 component n-recognin 5	1.68	1.98	0.18
A_51_P131168	NM_001012	Ccdc55	237859	coiled-coil domain containing 55	2.09	1.98	0.03
A_52_P153541	AK172642	Bfar	67118	bifunctional apoptosis regulator	2.06	1.98	0.03
A_51_P129787	NM_025793	Wdr45l	66840	Wdr45 like	2.57	1.98	0.00
A_52_P885203	CF582774	Rnasel	24014	ribonuclease L (2', 5'-oligoadenylate synthetase-dependent)	2.25	1.97	0.01
A_51_P432820	BC019382	NA	NA	NA	1.71	1.97	0.16
A_52_P402897	AK038529	Cdh4	12561	cadherin 4	1.62	1.97	0.22
A_52_P636394	NM_172606	6-Mar	223455	membrane-associated ring finger (C3HC4) 6	1.80	1.97	0.11
A_52_P467690	NM_175836	Spnb2	20742	spectrin beta 2	1.77	1.97	0.12
A_52_P458229	AK129078	Rrp1b	72462	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>)	1.78	1.97	0.12
A_51_P430445	NM_026454	Ube2f	67921	ubiquitin-conjugating enzyme E2F (putative)	2.08	1.97	0.03
A_52_P305279	AK151394	Spata13	219140	spermatogenesis associated 13	2.41	1.97	0.01
A_52_P92689	NA	NA	NA	NA	1.77	1.97	0.13
A_52_P923956	AK085397	NA	NA	NA	1.75	1.97	0.14
A_51_P129285	NM_144836	Slc17a2	218103	solute carrier family 17 (sodium phosphate), member 2	1.62	1.97	0.22
A_51_P471177	NM_009291	Strat6	20897	stimulated by retinoic acid gene 6	1.39	1.97	0.67
A_51_P384609	BC080729	Ddx10	77591	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	2.12	1.97	0.02
A_51_P130773	NM_009613	Adam11	11488	a disintegrin and metallopeptidase domain 11	1.46	1.97	0.53
A_52_P642801	XM_618738	Lats1	16798	large tumor suppressor	1.92	1.97	0.06
A_51_P144285	BC058403	Rps6kc1	320119	ribosomal protein S6 kinase polypeptide 1	1.92	1.97	0.06
A_52_P251703	D28599	Vcan	13003	versican	1.78	1.97	0.12
A_52_P77764	NM_007514	Slc7a2	11988	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	1.77	1.97	0.12
A_52_P106259	NM_207655	Egfr	13649	epidermal growth factor receptor	1.72	1.97	0.15
A_52_P440044	NM_025780	Thap2	66816	THAP domain containing, apoptosis associated protein 2	1.93	1.97	0.05
A_51_P301566	NM_008872	Plat	18791	plasminogen activator, tissue	1.50	1.97	0.44
A_51_P356525	NM_177240	D030016E1320714		RIKEN cDNA D030016E14 gene	1.79	1.97	0.11
A_51_P209280	NM_133685	Rab31	106572	RAB31, member RAS oncogene family	2.45	1.97	0.01
A_52_P281941	NM_178395	Zdhhc2	70546	zinc finger, DHHC domain containing 2	2.06	1.96	0.03

A_52_P171019	NM_008548	Man1a	17155	mannosidase 1, alpha	1.44	1.96	0.55
A_52_P1012802	NM_008982	Ptprj	19271	protein tyrosine phosphatase, receptor type, J	2.48	1.96	0.00
A_51_P457980	NA	NA	NA	NA	1.91	1.96	0.06
A_51_P204860	NM_026221	Ppfibp1	67533	PTPRF interacting protein, binding protein 1 (liprin beta 1)	2.01	1.96	0.04
A_52_P20482	NM_144835	Heatr1	217995	HEAT repeat containing 1	1.87	1.96	0.07
A_52_P437662	NM_013884	Cspg5	29873	chondroitin sulfate proteoglycan 5	1.71	1.96	0.15
A_51_P287635	NM_008773	P2ry2	18442	purinergic receptor P2Y, G-protein coupled 2	1.82	1.96	0.10
A_52_P182118	NA	NA	NA	NA	2.18	1.96	0.02
A_51_P458866	NM_172647	F11r	16456	F11 receptor	1.36	1.96	0.77
A_52_P116006	NM_010266	Gda	14544	guanine deaminase	2.55	1.96	0.00
A_52_P483339	AK036738	Aars	234734	alanyl-tRNA synthetase	2.32	1.96	0.01
A_52_P155849	NM_001039!	Arl4a	11861	ADP-ribosylation factor-like 4A	1.86	1.96	0.07
A_51_P295355	NM_011957	Creb3l1	26427	cAMP responsive element binding protein 3-like 1	2.17	1.96	0.02
A_52_P549405	NM_001039!	Asxl1	228790	additional sex combs like 1 (Drosophila)	2.25	1.96	0.01
A_52_P221900	NM_177325	Tsr1	104662	TSR1, 20S rRNA accumulation, homolog (yeast)	2.07	1.96	0.03
A_51_P152765	NM_011488	Stat5a	20850	signal transducer and activator of transcription 5A	1.48	1.96	0.46
A_51_P246727	BC067045	Mlxip	208104	MLX interacting protein	1.69	1.96	0.17
A_51_P396045	NM_010704	Lepr	16847	leptin receptor	2.11	1.96	0.02
A_52_P621588	NM_174851	Il28ra	242700	interleukin 28 receptor alpha	1.94	1.96	0.05
A_52_P223853	XM_001006	NA	NA	NA	1.29	1.95	1.04
A_51_P325173	AK077713	Tpm1	22003	tropomyosin 1, alpha	1.30	1.95	0.97
A_51_P172573	NM_013671	Sod2	20656	superoxide dismutase 2, mitochondrial	2.35	1.95	0.01
A_52_P392701	NM_011112	Papola	18789	poly (A) polymerase alpha	1.77	1.95	0.12
A_51_P314363	AK084643	NA	NA	NA	2.33	1.95	0.01
A_51_P476579	XM_985042	NA	NA	NA	2.35	1.95	0.01
A_52_P112816	NM_019501	Pdss1	56075	prenyl (solanesyl) diphosphate synthase, subunit 1	2.05	1.95	0.03
A_52_P334808	NM_178417	Zfp867	237775	zinc finger protein 867	2.11	1.95	0.02
A_51_P149349	BC022652	Nfxl1	100978	nuclear transcription factor, X-box binding-like 1	1.62	1.95	0.22
A_52_P463962	NM_183296	Krtap16-10	71369	keratin associated protein 16-10	2.29	1.95	0.01
A_51_P116946	NM_080467	Atp6v0a4	140494	ATPase, H+ transporting, lysosomal V0 subunit A4	1.89	1.95	0.07

A_51_P138790	NM_175175	Plekhhf2	71801	pleckstrin homology domain containing, family F (with FYVE domain) member 2	1.57	1.95	0.30
A_52_P569001	BC054531	Atp2a2	11938	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	1.54	1.95	0.34
A_51_P520378	NM_007502	Atp1b3	11933	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	1.93	1.95	0.05
A_52_P621691	NM_153384	Clrn1	229320	clarin 1	1.52	1.95	0.40
A_51_P281333	NM_018784	St3gal6	54613	ST3 beta-galactoside alpha-2,3-sialyltransferase 6 cat eye syndrome chromosome region, candidate 2	2.18	1.95	0.02
A_52_P260468	AK037032	Cecr2	330409	homolog (human)	2.19	1.95	0.02
A_52_P218100	AK086477	Sh3glb1	54673	SH3-domain GRB2-like B1 (endophilin) sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	2.61	1.95	0.00
A_52_P659904	S79463	Sema4c	20353	forkhead box K1	2.21	1.94	0.01
A_51_P356413	NM_199068	Foxk1	17425	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)	2.23	1.94	0.01
A_52_P665767	NM_001033	Cox18	231430	AT rich interactive domain 1B (SWI-like)	2.10	1.94	0.03
A_51_P445555	XM_139711	Arid1b	239985	RNA binding protein gene with multiple splicing	2.30	1.94	0.01
A_52_P662203	AF148511	Rbpms	19663	pogo transposable element with KRAB domain	1.74	1.94	0.15
A_52_P499683	AK122520	Pogk	71592	SAR1 gene homolog A (S. cerevisiae)	2.15	1.94	0.02
A_51_P202498	NM_009120	Sar1a	20224	phospholipase C, beta 1	2.39	1.94	0.01
A_52_P18262	BC058710	Plcb1	18795	checkpoint kinase 1 homolog (S. pombe)	2.31	1.94	0.01
A_51_P326499	NM_007691	Chek1	12649	transducin-like enhancer of split 4, homolog of Drosophila E(spl)	1.95	1.94	0.05
A_51_P346543	NM_011600	Tle4	21888	vacuolar protein sorting 13A (yeast)	1.60	1.94	0.27
A_51_P130874	AK084751	Vps13a	271564	PHD finger protein 6	2.14	1.94	0.02
A_52_P571457	NM_027642	Phf6	70998	dermatan sulfate epimerase	1.68	1.94	0.18
A_51_P386670	NM_172508	Dse	212898	RIKEN cDNA E130203B14 gene	1.73	1.94	0.15
A_52_P292213	NM_178791	E130203B1	320736	lysophosphatidylcholine acyltransferase 2	1.47	1.94	0.50
A_51_P169061	NM_173014	Lpcat2	270084	endothelial cell-specific adhesion molecule	1.47	1.94	0.50
A_51_P448325	NM_027102	Esam	69524	tumor necrosis factor, alpha-induced protein 2	2.16	1.94	0.02
A_51_P364485	NM_009396	Tnfaip2	21928	RIKEN cDNA 2310014H01 gene	1.48	1.94	0.50
A_51_P118443	AK051656	2310014HC	76448	transmembrane protein 192	1.59	1.94	0.27
A_51_P124803	NM_028427	Tmem192	73067	transmembrane protein 184b	2.14	1.94	0.02
A_51_P224771	NM_172608	Tmem184b	223693		1.77	1.94	0.12

A_52_P232580	NM_145508	Dyrk3	226419	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	1.78	1.94	0.11
A_51_P193176	NM_146118	Slc25a25	227731	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	1.35	1.94	0.82
A_51_P432544	NM_010397	H2-T22	15039	histocompatibility 2, T region locus 22	1.93	1.93	0.05
A_51_P220806	NM_008110	Gdf9	14566	growth differentiation factor 9	2.17	1.93	0.02
A_52_P548463	NM_133365	Dnahc5	110082	dynein, axonemal, heavy chain 5	1.55	1.93	0.33
A_51_P470981	NM_134161	Fut10	171167	fucosyltransferase 10	1.86	1.93	0.07
A_52_P321150	NM_023516	2310016C069573		RIKEN cDNA 2310016C08 gene	1.55	1.93	0.33
A_51_P187645	BC004786	Igh-VJ558	16061	immunoglobulin heavy chain (J558 family)	1.57	1.93	0.30
A_51_P368237	BC023155	Dnahc1	110084	dynein, axonemal, heavy chain 1	1.61	1.93	0.24
A_52_P455055	XM_148244	NA	NA	NA	2.00	1.93	0.04
A_52_P648750	X56459	Hoxb6	15414	homeobox B6	2.07	1.93	0.03
A_51_P117165	AK018150	6330409D270730		RIKEN cDNA 6330409D20 gene	2.05	1.93	0.03
A_51_P131408	NM_013749	Tnfrsf12a	27279	tumor necrosis factor receptor superfamily, member 12a	1.54	1.93	0.34
A_51_P511480	NM_028680	Ift57	73916	intraflagellar transport 57 homolog (Chlamydomonas)	1.53	1.93	0.37
A_52_P486774	AK173076	Cobl1	319876	Cobl-like 1	1.46	1.93	0.53
A_52_P99888	NM_023158	Cxcl16	66102	chemokine (C-X-C motif) ligand 16	2.30	1.93	0.01
A_52_P184052	NM_001005!	Smg7	226517	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	1.89	1.93	0.07
A_52_P370760	NM_029035	Spsb1	74646	splA/ryanodine receptor domain and SOCS box containing 1	2.14	1.93	0.02
A_52_P133994	NM_007924	Ell	13716	elongation factor RNA polymerase II	1.83	1.93	0.09
A_52_P34806	NM_008466	Kpna3	16648	karyopherin (importin) alpha 3	2.14	1.92	0.02
A_51_P305138	NA	NA	NA	NA	1.35	1.92	0.82
A_52_P395962	NM_001045!	NA	NA	NA	1.40	1.92	0.67
A_52_P125467	NM_144865	Reep2	225362	receptor accessory protein 2	2.10	1.92	0.02
A_52_P298093	NM_023324	Peli1	67245	pellino 1	1.44	1.92	0.55
A_51_P234359	NM_011328	Sct	20287	secretin	1.65	1.92	0.20
A_51_P484880	NM_207680	Bcl2l11	12125	BCL2-like 11 (apoptosis facilitator)	2.51	1.92	0.00
A_51_P107686	NM_008592	Foxc1	17300	forkhead box C1	2.47	1.92	0.00
A_52_P682170	NM_194262	Arid4b	94246	AT rich interactive domain 4B (RBP1-like)	1.81	1.92	0.11

A_52_P23413	NM_172911	D8Ert82e	244418	DNA segment, Chr 8, ERATO Doi 82, expressed	1.91	1.92	0.06
A_52_P315280	NM_010918	Nktr	18087	natural killer tumor recognition sequence	1.89	1.92	0.07
A_51_P302192	NM_026102	Daam1	208846	dishevelled associated activator of morphogenesis 1	1.83	1.92	0.09
A_52_P1026777	NM_001033	Ecscr	68545	endothelial cell-specific chemotaxis regulator	2.15	1.92	0.02
A_52_P567359	NM_008541	Smad5	17129	MAD homolog 5 (Drosophila)	1.88	1.92	0.07
A_51_P297346	NM_029153	Scamp1	107767	secretory carrier membrane protein 1	1.80	1.92	0.11
A_52_P34979	BC055805	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	1.36	1.92	0.77
A_52_P128612	NA	NA	NA	NA	1.77	1.92	0.13
A_51_P160284	NM_011552	Tcof1	21453	Treacher Collins Franceschetti syndrome 1, homolog	1.86	1.92	0.07
A_52_P290629	AK083425	Pkn2	109333	protein kinase N2	1.50	1.92	0.44
A_51_P424959	NM_007528	Bcl6b	12029	B-cell CLL/lymphoma 6, member B	2.07	1.92	0.03
A_52_P492062	XR_004049	NA	NA	NA	1.86	1.92	0.07
A_52_P82741	NM_010479	Hspa1a	193740	heat shock protein 1A	1.55	1.92	0.33
A_51_P440242	AK122520	Pogk	71592	pogo transposable element with KRAB domain	1.83	1.91	0.09
A_52_P229411	NA	NA	NA	NA	2.22	1.91	0.01
A_51_P195935	BC067054	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2 KH domain containing, RNA binding, signal transduction	1.49	1.91	0.44
A_52_P199058	NM_011317	Khdrbs1	20218	associated 1	1.62	1.91	0.22
A_51_P332717	NM_011673	Ugcg	22234	UDP-glucose ceramide glucosyltransferase	2.01	1.91	0.04
A_51_P125679	AK010725	2410076I2	73673	RIKEN cDNA 2410076I21 gene NIMA (never in mitosis gene a)-related expressed kinase	1.31	1.91	0.97
A_51_P347529	NM_177898	Nek5	330721	5	1.56	1.91	0.30
A_51_P511810	NM_001042	Cd63	12512	CD63 antigen	1.61	1.91	0.24
A_52_P382149	NM_007811	Cyp26a1	13082	cytochrome P450, family 26, subfamily a, polypeptide 1	1.56	1.91	0.33
A_51_P243755	NM_011388	Slc10a2	20494	solute carrier family 10, member 2	1.33	1.91	0.91
A_52_P630828	NM_016721	Iqgap1	29875	IQ motif containing GTPase activating protein 1	1.78	1.91	0.12
A_52_P63044	NM_019391	Lsp1	16985	lymphocyte specific 1	1.75	1.91	0.14
A_52_P43135	AK168061	Zfp259	22687	zinc finger protein 259	1.29	1.91	1.04
A_51_P334804	NM_029427	Pnpla5	75772	patatin-like phospholipase domain containing 5	1.63	1.91	0.22
A_52_P153957	NM_019788	Pldn	18457	pallidin	1.83	1.91	0.09

A_51_P233768	NM_054055	Slc13a3	114644	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	1.66	1.90	0.20
A_51_P183481	NM_013553	Hoxc4	15423	homeobox C4	1.91	1.90	0.06
A_51_P140237	NM_010212	Fhl2	14200	four and a half LIM domains 2	1.58	1.90	0.28
A_51_P174350	NA	NA	NA	NA	1.53	1.90	0.37
A_51_P407774	NM_019723	Slc22a21	56517	solute carrier family 22 (organic cation transporter), member 21	1.57	1.90	0.30
A_52_P330395	NM_134082	Farp1	223254	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	1.98	1.90	0.04
A_52_P410449	NM_010215	Il4i1	14204	interleukin 4 induced 1	1.78	1.90	0.12
A_52_P149628	NM_198862	Nlgn2	216856	neuroligin 2	1.81	1.90	0.11
A_51_P114177	NM_026947	1810022C2	69123	RIKEN cDNA 1810022C2 gene	1.70	1.90	0.17
A_52_P522210	NM_183428	Epb4.1	269587	erythrocyte protein band 4.1	1.90	1.90	0.06
A_52_P415116	NM_021406	Trem1	58217	triggering receptor expressed on myeloid cells 1	1.80	1.90	0.11
A_51_P284946	NM_028810	Rnd3	74194	Rho family GTPase 3	1.96	1.90	0.04
A_51_P125745	NM_012055	Asns	27053	asparagine synthetase	1.32	1.90	0.91
A_52_P279143	NM_019553	Ddx21	56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	1.68	1.89	0.18
A_51_P176154	AK054545	Sirpb1	320832	signal-regulatory protein beta 1	2.17	1.89	0.02
A_51_P354804	NM_080643	Caskin2	140721	CASK-interacting protein 2	2.09	1.89	0.03
A_51_P292943	NM_007924	Ell	13716	elongation factor RNA polymerase II	1.85	1.89	0.07
A_51_P328613	NM_010188	Fcgr3	14131	Fc receptor, IgG, low affinity III	1.73	1.89	0.15
A_51_P291950	NM_010266	Gda	14544	guanine deaminase	2.40	1.89	0.01
A_52_P134530	AK152971	Rbm47	245945	RNA binding motif protein 47	2.07	1.89	0.03
A_51_P293982	NM_153119	Plekho2	102595	pleckstrin homology domain containing, family O member 2	1.55	1.89	0.33
A_52_P589023	NM_027123	Fastkd3	69577	FAST kinase domains 3	1.64	1.89	0.21
A_51_P194099	NM_009381	Thrsp	21835	thyroid hormone responsive SPOT14 homolog (Rattus)	1.40	1.89	0.67
A_52_P141322	NM_010117	Rhbdf1	13650	rhomboid family 1 (Drosophila)	2.03	1.89	0.04
A_51_P260433	NM_008976	Ptpn14	19250	protein tyrosine phosphatase, non-receptor type 14	2.13	1.89	0.02
A_52_P552194	NM_133990	Il13ra1	16164	interleukin 13 receptor, alpha 1	1.42	1.89	0.61
A_52_P205055	XR_003742	NA	NA	NA	2.14	1.89	0.02
A_51_P139780	NM_009402	Pglyrp1	21946	peptidoglycan recognition protein 1	1.30	1.89	1.04

A_51_P518592	NM_139227	Atxn7	246103	ataxin 7	1.60	1.89	0.27
A_52_P123772	AK037161	NA	NA	NA	1.77	1.89	0.12
A_51_P245485	NM_181848	Optn	71648	optineurin	2.02	1.89	0.04
A_52_P458682	NM_008182	Gsta2	14858	glutathione S-transferase, alpha 2 (Yc2)	1.39	1.89	0.70
A_52_P239556	AK077294	Acta2	11475	actin, alpha 2, smooth muscle, aorta	1.39	1.89	0.70
A_51_P435830	NM_029212	Ccdc33	382077	coiled-coil domain containing 33	1.58	1.88	0.28
A_51_P381230	NM_199449	Zhx2	387609	zinc fingers and homeoboxes 2	2.02	1.88	0.04
A_51_P252363	NM_133887	Stx12	100226	syntaxin 12	2.22	1.88	0.01
A_51_P417458	NM_023434	Tox4	268741	TOX high mobility group box family member 4	2.10	1.88	0.02
A_51_P127841	NM_019501	Pdss1	56075	prenyl (solanesyl) diphosphate synthase, subunit 1	1.94	1.88	0.05
A_52_P27225	NM_201389	Plec	18810	plectin	1.48	1.88	0.46
A_52_P219314	NM_009499	Vasp	22323	vasodilator-stimulated phosphoprotein	1.70	1.88	0.16
A_52_P337740	AK030611	NA	NA	NA	2.13	1.88	0.02
A_51_P302977	AB026045	Ms4a4c	64380	membrane-spanning 4-domains, subfamily A, member 4C	1.39	1.88	0.70
A_51_P137688	AK087687	Pex1	71382	peroxisomal biogenesis factor 1	1.37	1.88	0.77
A_51_P504378	NM_172743	Plekha7	233765	pleckstrin homology domain containing, family A member 7	1.74	1.88	0.15
A_51_P316981	NM_018886	Lgals8	56048	lectin, galactose binding, soluble 8	1.63	1.88	0.22
A_51_P263227	NM_177342	Taf5	226182	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor	1.40	1.88	0.67
A_51_P445117	NM_011772	Ikzf4	22781	IKAROS family zinc finger 4	1.40	1.88	0.67
A_52_P644354	NM_011743	Zfp106	20402	zinc finger protein 106	1.53	1.88	0.34
A_51_P272553	NM_011498	Bhlhe40	20893	basic helix-loop-helix family, member e40	1.61	1.88	0.24
A_51_P117952	NM_010479	Hspa1a	193740	heat shock protein 1A	1.54	1.88	0.34
A_51_P196997	NM_146064	Soat2	223920	sterol O-acyltransferase 2	2.11	1.88	0.02
A_51_P284476	NM_023122	Gpm6b	14758	glycoprotein m6b	1.67	1.88	0.18
A_51_P176068	NM_172877	Pramef8	242736	PRAME family member 8	1.68	1.88	0.18
A_51_P364600	NM_011815	Fyb	23880	FYN binding protein	2.05	1.88	0.03
A_51_P375631	AK016792	Gm13999	1E+08	predicted gene 13999	1.54	1.88	0.34
A_51_P197213	NM_025802	Pnpla2	66853	patatin-like phospholipase domain containing 2	2.02	1.87	0.04
A_52_P92372	AK199310	Ccdc90a	76137	coiled-coil domain containing 90A	1.42	1.87	0.58
A_51_P318488	NM_011785	Akt3	23797	thymoma viral proto-oncogene 3	1.57	1.87	0.30

A_52_P467718	NM_029505	Ap3m2	64933	adaptor-related protein complex 3, mu 2 subunit	1.85	1.87	0.09
A_52_P605296	XM_977731	NA	NA	NA	1.71	1.87	0.16
A_52_P43549	NM_007646	Cd38	12494	CD38 antigen	1.50	1.87	0.44
A_52_P451300	NM_033565	Aff4	93736	AF4/FMR2 family, member 4	1.62	1.87	0.22
A_52_P551743	NM_033565	Aff4	93736	AF4/FMR2 family, member 4	1.61	1.87	0.24
A_52_P281209	AK145066	Kdm4a	230674	lysine (K)-specific demethylase 4A	1.72	1.87	0.15
A_51_P259186	NM_145692	Lrrc67	69312	leucine rich repeat containing 67	1.43	1.87	0.58
A_52_P605704	NM_198021	Scyl2	213326	SCY1-like 2 (<i>S. cerevisiae</i>)	1.92	1.87	0.06
A_51_P143103	BC066048	Pprc1	226169	peroxisome proliferative activated receptor, gamma, coactivator-related 1	1.68	1.87	0.18
A_52_P79889	NM_011065	Per1	18626	period homolog 1 (<i>Drosophila</i>)	1.42	1.87	0.61
A_51_P122246	NM_029720	Creld2	76737	cysteine-rich with EGF-like domains 2	1.42	1.87	0.58
A_52_P189946	NM_019919	Ltbp1	268977	latent transforming growth factor beta binding protein 1	2.03	1.87	0.04
A_52_P421249	NM_019986	Habp4	56541	hyaluronic acid binding protein 4	1.35	1.87	0.82
A_51_P346453	NM_153570	Noc4l	100608	nucleolar complex associated 4 homolog (<i>S. cerevisiae</i>)	2.21	1.86	0.01
A_51_P424232	NM_010788	Mecp2	17257	methyl CpG binding protein 2	2.00	1.86	0.04
A_51_P440315	NM_145572	Gys2	232493	glycogen synthase 2	1.68	1.86	0.18
A_52_P102773	BC072628	Hk1	15275	hexokinase 1	1.49	1.86	0.44
A_51_P507380	U80780	Hdac1	433759	histone deacetylase 1	1.33	1.86	0.86
A_51_P189451	NA	NA	NA	NA	1.79	1.86	0.11
A_51_P355802	NM_175445	Rassf2	215653	Ras association (RalGDS/AF-6) domain family member 2	1.57	1.86	0.30
A_52_P235057	AY550908	Ubr5	70790	ubiquitin protein ligase E3 component n-recognin 5	1.47	1.86	0.50
A_52_P614198	AK039793	Trav14n-1	1E+08	T cell receptor alpha variable 14N-1	1.57	1.86	0.30
A_51_P325165	NM_145636	Il27	246779	interleukin 27	1.48	1.86	0.46
A_51_P267211	AK037075	NA	NA	NA	1.49	1.86	0.44
A_52_P215136	NM_028099	Dusp11	72102	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)	1.95	1.86	0.05
A_51_P272817	NM_008928	Map2k3	26397	mitogen-activated protein kinase kinase 3	1.70	1.86	0.16
A_52_P327467	NM_025426	Med7	66213	mediator complex subunit 7	1.98	1.86	0.04
A_52_P578133	BC033421	Reep3	28193	receptor accessory protein 3	1.47	1.86	0.50

A_51_P100991	NM_145067	Gucy2c	14917	guanylate cyclase 2c	1.71	1.86	0.16
A_51_P255456	NM_009994	Cyp1b1	13078	cytochrome P450, family 1, subfamily b, polypeptide 1	1.97	1.86	0.04
A_51_P513311	NM_009107	Rxrg	20183	retinoid X receptor gamma	1.59	1.86	0.28
A_52_P483336	NM_007641	Ms4a1	12482	membrane-spanning 4-domains, subfamily A, member 1	1.38	1.85	0.70
A_52_P681495	NM_027930	Fam54a	71804	family with sequence similarity 54, member A	2.05	1.85	0.03
A_51_P233534	NM_011782	Adamts5	23794	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	1.45	1.85	0.53
A_51_P320377	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	2.25	1.85	0.01
A_51_P506674	NM_001013	Rpp38	227522	ribonuclease P/MRP 38 subunit (human)	1.78	1.85	0.12
A_51_P320860	NM_025948	Lsm14a	67070	LSM14 homolog A (SCD6, <i>S. cerevisiae</i>)	1.92	1.85	0.06
A_52_P284958	NM_173784	Ubtd2	327900	ubiquitin domain containing 2	1.71	1.85	0.16
A_52_P17146	NM_009758	Bmpr1a	12166	bone morphogenetic protein receptor, type 1A	2.29	1.85	0.01
A_51_P440144	BI100969	Slc4a4	54403	solute carrier family 4 (anion exchanger), member 4	1.44	1.85	0.55
A_52_P68419	NM_175164	Arhgap26	71302	Rho GTPase activating protein 26	1.60	1.85	0.27
A_51_P398878	NM_030724	Uck2	80914	uridine-cytidine kinase 2	1.81	1.85	0.11
A_52_P1068216	AK051522	NA	NA	NA	1.60	1.85	0.27
A_51_P511482	NM_028680	lft57	73916	intraflagellar transport 57 homolog (<i>Chlamydomonas</i>)	1.50	1.85	0.44
A_51_P118945	AF054581	Il2ra	16184	interleukin 2 receptor, alpha chain	2.18	1.85	0.02
A_52_P684830	NM_009318	Tapbp	21356	TAP binding protein	1.68	1.85	0.18
A_51_P361675	AK047998	Dopey1	320615	dopey family member 1	1.64	1.85	0.21
A_51_P152826	NM_025872	Golt1b	66964	golgi transport 1 homolog B (<i>S. cerevisiae</i>)	1.64	1.85	0.21
A_52_P469842	NM_010786	Mdm2	17246	transformed mouse 3T3 cell double minute 2	1.82	1.85	0.10
A_52_P577662	NM_007904	Ednrb	13618	endothelin receptor type B	1.43	1.85	0.58
A_52_P276748	NM_026102	Daam1	208846	dishevelled associated activator of morphogenesis 1	1.65	1.85	0.20
A_52_P480088	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	1.63	1.85	0.21
A_51_P169495	NM_008619	Mov10	17454	Moloney leukemia virus 10	1.53	1.85	0.37
A_52_P501697	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	1.59	1.85	0.27

A_52_P548913	NM_009817	Cast	12380	calpastatin	1.86	1.85	0.07
A_52_P676461	AK037065	Lpgat1	226856	lysophosphatidylglycerol acyltransferase 1	1.42	1.85	0.58
A_52_P70796	NM_007551	Cxcr5	12145	chemochine (C-X-C motif) receptor 5	1.37	1.85	0.77
A_52_P26409	M32070	Rarg	19411	retinoic acid receptor, gamma	1.72	1.85	0.15
A_51_P413088	NA	NA	NA	NA	1.64	1.85	0.21
A_52_P84901	NM_133891	Slc44a1	100434	solute carrier family 44, member 1	1.97	1.85	0.04
A_51_P358037	BC026627	Abi3bp	320712	ABI gene family, member 3 (NESH) binding protein	1.47	1.85	0.50
A_51_P388847	NM_145934	Stap2	106766	signal transducing adaptor family member 2	2.13	1.85	0.02
A_51_P106191	NM_019930	Ranbp9	56705	RAN binding protein 9	1.62	1.85	0.24
A_51_P284793	NM_027927	Ints12	71793	integrator complex subunit 12	2.15	1.84	0.02
A_51_P310100	AK029149	Rnaset2b	68195	ribonuclease T2B	1.46	1.84	0.53
A_52_P351574	NM_019677	Plcb1	18795	phospholipase C, beta 1	1.47	1.84	0.50
A_51_P195588	XM_140497	Adnp2	240442	ADNP homeobox 2	1.63	1.84	0.22
A_51_P381657	NM_146144	Usp1	230484	ubiquitin specific peptidase 1	1.98	1.84	0.04
A_51_P292057	NM_030732	Tbl1xr1	81004	transducin (beta)-like 1X-linked receptor 1	1.85	1.84	0.09
A_52_P94256	NM_020494	Ddx24	27225	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	1.59	1.84	0.27
A_51_P420918	NM_020498	Ly6i	57248	lymphocyte antigen 6 complex, locus I	1.73	1.84	0.15
A_52_P34823	NM_010747	Lyn	17096	Yamaguchi sarcoma viral (v-yes-1) oncogene homolog	1.69	1.84	0.18
A_52_P683306	NM_146084	Fam13b	225358	family with sequence similarity 13, member B	2.07	1.84	0.03
A_52_P3845	XM_193558	Rnf217	268291	ring finger protein 217	1.72	1.84	0.15
A_51_P142529	NM_011316	Saa4	20211	serum amyloid A 4	1.42	1.84	0.58
A_51_P483544	NM_013930	Aass	30956	aminoadipate-semialdehyde synthase	1.35	1.84	0.82
A_52_P660812	BC082312	Arid5b	71371	AT rich interactive domain 5B (MRF1-like)	1.77	1.84	0.12
A_52_P371718	NM_054089	Tgs1	116940	trimethylguanosine synthase homolog (<i>S. cerevisiae</i>)	1.41	1.84	0.61
A_51_P155763	XM_125617	Ascc3	77987	activating signal cointegrator 1 complex subunit 3	1.62	1.84	0.22
A_52_P129354	NM_175325	Bbs4	102774	Bardet-Biedl syndrome 4 (human)	2.27	1.84	0.01
A_52_P564663	NA	NA	NA	NA	1.37	1.84	0.77
A_51_P492648	AK140220	NA	NA	NA	1.70	1.84	0.17
A_52_P1128182	NA	NA	NA	NA	1.87	1.84	0.07
A_52_P533724	NM_026574	Ino80	68142	INO80 homolog (<i>S. cerevisiae</i>)	1.93	1.84	0.05
A_52_P243522	NM_173862	Fam83a	239463	family with sequence similarity 83, member A	1.88	1.84	0.07

A_52_P192426	NM_011609	Tnfrsf1a	21937	tumor necrosis factor receptor superfamily, member 1a	2.21	1.84	0.01
A_51_P128876	NM_025378	Ifitm3	66141	interferon induced transmembrane protein 3	1.90	1.83	0.06
A_52_P10622	NM_010330	Emb	13723	embigin	1.34	1.83	0.86
A_52_P530979	BC085235	Hbs1l	56422	Hbs1-like (S. cerevisiae)	1.66	1.83	0.20
A_52_P578266	NM_011529	Tank	21353	TRAF family member-associated Nf-kappa B activator	1.66	1.83	0.20
A_51_P420229	NM_007719	Ccr7	12775	chemokine (C-C motif) receptor 7	1.66	1.83	0.20
A_51_P330133	NM_025682	Pspc1	66645	paraspeckle protein 1	1.83	1.83	0.09
A_51_P110371	NM_019573	Wwox	80707	WW domain-containing oxidoreductase	1.84	1.83	0.09
A_51_P103114	NM_008981	Ptprg	19270	protein tyrosine phosphatase, receptor type, G	1.70	1.83	0.16
A_52_P571444	NM_133784	Wwtr1	97064	WW domain containing transcription regulator 1	1.83	1.83	0.09
A_51_P136479	NM_030096	Ddx52	78394	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	1.65	1.83	0.20
A_52_P206881	NM_026045	Prpf18	67229	PRP18 pre-mRNA processing factor 18 homolog (yeast)	1.96	1.83	0.04
A_52_P487246	NM_011908	Ubl3	24109	ubiquitin-like 3	2.04	1.83	0.03
A_51_P459615	NM_198416	Zzz3	108946	zinc finger, ZZ domain containing 3	1.36	1.83	0.82
A_51_P465740	NM_175215	Lysmd4	75099	LysM, putative peptidoglycan-binding, domain containing 4	2.12	1.83	0.02
A_51_P277795	NM_026054	2810474O1	67246	RIKEN cDNA 2810474O19 gene	1.37	1.83	0.77
A_51_P402193	NM_011945	Map3k1	26401	mitogen-activated protein kinase kinase kinase 1	1.68	1.83	0.18
A_51_P209807	XM_0010017	Ccnyl1	227210	cyclin Y-like 1	1.72	1.83	0.15
A_52_P665887	BC068026	Aire	11634	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	1.85	1.83	0.07
A_52_P304881	NM_053124	Smarca5	93762	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	2.12	1.83	0.02
A_51_P438479	NM_177643	Zfp281	226442	zinc finger protein 281	1.38	1.83	0.70
A_52_P455045	NM_001013	Rsl1	380855	regulator of sex limited protein 1	1.54	1.83	0.34
A_52_P487024	NM_001005	Smg7	226517	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	2.06	1.82	0.03
A_51_P415863	NM_010559	Il6ra	16194	interleukin 6 receptor, alpha	1.96	1.82	0.05
A_51_P352864	NM_147110	Olfir570	259114	olfactory receptor 570	1.68	1.82	0.18

A_52_P155554	NM_026772	Cdc42ep2	104252	CDC42 effector protein (Rho GTPase binding) 2	1.59	1.82	0.27
A_52_P444915	NM_133242	Rbm39	170791	RNA binding motif protein 39	1.52	1.82	0.40
A_51_P275915	AY550908	Ubr5	70790	ubiquitin protein ligase E3 component n-recognin 5	1.70	1.82	0.17
A_52_P599264	NM_175088	Mdfic	16543	MyoD family inhibitor domain containing	1.91	1.82	0.06
A_52_P302395	NM_172827	Lnpep	240028	leucyl/cystinyl aminopeptidase	1.58	1.82	0.28
A_51_P350332	NM_019733	Rbpms	19663	RNA binding protein gene with multiple splicing	1.60	1.82	0.27
A_52_P69020	NM_175034	Slc24a5	317750	solute carrier family 24, member 5	1.91	1.82	0.06
A_52_P348638	NM_017398	Diap2	54004	diaphanous homolog 2 (Drosophila) fascin homolog 1, actin bundling protein	1.74	1.82	0.15
A_51_P366061	NM_007984	Fscn1	14086	(Strongylocentrotus purpuratus)	2.12	1.82	0.02
A_51_P305250	NM_027008	Kctd5	69259	potassium channel tetramerisation domain containing 5	1.81	1.82	0.11
A_52_P50216	NM_146043	Spin1	20729	spindlin 1	1.99	1.82	0.04
A_51_P397394	NM_177025	Cobl1	319876	Cobl-like 1	1.40	1.82	0.67
A_51_P393726	NM_173865	Slc41a1	98396	solute carrier family 41, member 1	1.43	1.82	0.58
A_52_P198993	NM_133847	Tm9sf4	99237	transmembrane 9 superfamily protein member 4	1.87	1.82	0.07
A_51_P345470	NM_145501	Pi4k2a	84095	phosphatidylinositol 4-kinase type 2 alpha	2.10	1.82	0.02
A_52_P447375	U31966	Cbr1	12408	carbonyl reductase 1	1.58	1.82	0.28
A_51_P520066	NM_020273	Gmeb1	56809	glucocorticoid modulatory element binding protein 1	2.08	1.82	0.03
A_51_P454726	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	1.75	1.81	0.14
A_52_P288614	NM_025936	Rars	104458	arginyl-tRNA synthetase	1.79	1.81	0.11
A_51_P339744	BC106181	3010003L2	109163	RIKEN cDNA 3010003L21 gene	1.84	1.81	0.09
A_51_P493602	XM_129248	NA	NA	NA	1.45	1.81	0.53
A_52_P271555	NM_212446	Psmf1	228769	proteasome (prosome, macropain) inhibitor subunit 1	2.21	1.81	0.01
A_52_P562267	NM_001033	9130409I2	619326	RIKEN cDNA 9130409I23 gene	1.38	1.81	0.70
A_52_P603900	NM_024436	Rab22a	19334	RAB22A, member RAS oncogene family	1.78	1.81	0.12
A_52_P362611	AK030594	Ube2f	67921	ubiquitin-conjugating enzyme E2F (putative)	1.36	1.81	0.82
A_51_P149391	AK037815	Akap13	75547	A kinase (PRKA) anchor protein 13	1.78	1.81	0.11
A_51_P455681	NM_007648	Cd3e	12501	CD3 antigen, epsilon polypeptide	1.40	1.81	0.67
A_52_P696044	AK145414	Shb	230126	src homology 2 domain-containing transforming protein B	1.83	1.81	0.09

A_52_P252996	NM_028527	170004711	73385	RIKEN cDNA 1700047117 gene 1	1.64	1.81	0.21
A_52_P26794	NM_027395	Basp1	70350	brain abundant, membrane attached signal protein 1	1.55	1.81	0.34
A_51_P466229	NM_026840	Pdgfrl	68797	platelet-derived growth factor receptor-like	2.01	1.81	0.04
A_51_P254583	NM_172291	Foxred1	235169	FAD-dependent oxidoreductase domain containing 1	1.93	1.81	0.05
A_52_P519882	NM_144866	Etf1	225363	eukaryotic translation termination factor 1	1.44	1.81	0.55
A_51_P199624	NM_172276	Sfrs8	231769	splicing factor, arginine/serine-rich 8	1.92	1.80	0.06
A_51_P151126	NM_013706	Cd52	23833	CD52 antigen	1.76	1.80	0.13
A_51_P142153	NA	NA	NA	NA	1.44	1.80	0.55
A_51_P495259	AK083275	Traf6	22034	TNF receptor-associated factor 6	2.07	1.80	0.03
A_52_P138110	AK161835	1110032AC	68721	RIKEN cDNA 1110032A03 gene	1.65	1.80	0.20
A_52_P9425	NA	NA	NA	NA	1.95	1.80	0.05
A_51_P297579	NM_008102	Gch1	14528	GTP cyclohydrolase 1	1.59	1.80	0.28
A_51_P494541	NM_146096	Fam108b	226016	family with sequence similarity 108, member B	1.72	1.80	0.15
A_51_P436483	NM_025280	Kin	16588	antigenic determinant of rec-A protein	2.14	1.80	0.02
A_52_P644045	BU938682	NA	NA	NA	1.47	1.80	0.50
A_51_P232889	NM_023324	Peli1	67245	pellino 1	1.67	1.80	0.20
A_51_P196687	NM_008338	Ifngr2	15980	interferon gamma receptor 2	1.40	1.80	0.67
A_52_P309022	NM_007826	Dach1	13134	dachshund 1 (Drosophila)	1.73	1.80	0.15
A_51_P195947	NM_178654	Pkn2	109333	protein kinase N2	2.25	1.80	0.01
A_51_P467076	NM_010000	Cyp2b9	13094	cytochrome P450, family 2, subfamily b, polypeptide 9	1.47	1.80	0.50
A_51_P193000	NM_175325	Bbs4	102774	Bardet-Biedl syndrome 4 (human)	1.89	1.80	0.07
A_52_P53906	NM_009829	Ccnd2	12444	cyclin D2	1.64	1.80	0.21
A_52_P12877	NM_031165	Hspa8	15481	heat shock protein 8	1.68	1.80	0.18
A_51_P510900	NM_026460	Serpini2	67931	serine (or cysteine) peptidase inhibitor, clade I, member 2	1.72	1.80	0.15
A_51_P182116	NM_019466	Rcan1	54720	regulator of calcineurin 1	1.74	1.79	0.15
A_52_P279068	NM_026367	Gpatch2	67769	G patch domain containing 2	1.80	1.79	0.11
A_52_P60519	NM_029648	D19Ertd73	76539	DNA segment, Chr 19, ERATO Doi 737, expressed	1.70	1.79	0.16
A_52_P324866	AK028546	Arnt	11863	aryl hydrocarbon receptor nuclear translocator	2.24	1.79	0.01
A_51_P153995	NM_018762	Gp9	54368	glycoprotein 9 (platelet)	1.53	1.79	0.34
A_51_P383524	NM_181728	Art3	109979	ADP-ribosyltransferase 3	1.68	1.79	0.18

A_52_P636050	NM_025663	Gpatch4	66614	G patch domain containing 4	1.41	1.79	0.61
A_52_P547965	NM_007690	Chd1	12648	chromodomain helicase DNA binding protein 1	1.62	1.79	0.24
A_52_P438656	NA	NA	NA	NA	1.33	1.79	0.86
A_51_P509579	NM_028118	Wdsub1	72137	WD repeat, SAM and U-box domain containing 1	2.27	1.79	0.01
A_52_P529751	CF747846	NA	NA	NA	1.83	1.79	0.09
A_52_P230938	NM_010741	Ly6c1	17067	lymphocyte antigen 6 complex, locus C1	1.56	1.79	0.33
A_52_P615010	NM_027420	2610034B1	70420	RIKEN cDNA 2610034B18 gene	1.71	1.79	0.16
A_51_P484289	NM_178798	Slc7a6	330836	solute carrier family 7 (cationic amino acid transporter, γ^+ system), member 6	1.95	1.79	0.05
A_52_P160456	NM_024275	Map4k5	399510	mitogen-activated protein kinase kinase kinase kinase 5	1.74	1.79	0.15
A_52_P187565	NA	NA	NA	NA	1.44	1.79	0.55
A_51_P504337	NM_009848	Entpd1	12495	ectonucleoside triphosphate diphosphohydrolase 1	1.62	1.79	0.22
A_52_P142346	NA	NA	NA	NA	1.61	1.79	0.24
A_52_P350519	NM_008199	H2-BI	14963	histocompatibility 2, blastocyst	1.51	1.79	0.40
A_51_P364321	XM_0010011	NA	NA	NA	1.59	1.79	0.28
A_52_P584704	NA	NA	NA	NA	1.29	1.79	1.04
A_51_P221661	NM_053124	Smarca5	93762	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	1.62	1.79	0.22
A_51_P445392	NM_175127	Fbxo28	67948	F-box protein 28	1.64	1.79	0.21
A_52_P514336	NM_177240	D030016E13	20714	RIKEN cDNA D030016E14 gene	1.41	1.79	0.61
A_51_P487518	NM_009808	Casp12	12364	caspase 12	1.71	1.79	0.16
A_51_P104187	NM_009460	Sumo1	22218	SMT3 suppressor of mif two 3 homolog 1 (yeast)	1.61	1.79	0.24
A_52_P415750	NM_021439	Chst11	58250	carbohydrate sulfotransferase 11	1.50	1.78	0.44
A_51_P517870	NM_198429	Nfatc1	18018	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	1.56	1.78	0.30
A_51_P183102	NM_175226	Rnf139	75841	ring finger protein 139	1.65	1.78	0.20
A_51_P324037	BG294955	NA	NA	NA	1.87	1.78	0.07
A_51_P340829	NM_177604	AA986860	212439	expressed sequence AA986860	1.49	1.78	0.46
A_51_P284665	NM_019677	Plcb1	18795	phospholipase C, beta 1	1.34	1.78	0.86
A_51_P341717	AF251703	Cd300lf	246746	CD300 antigen like family member F	1.89	1.78	0.07
A_51_P426096	NM_010810	Mmp7	17393	matrix metalloproteinase 7	1.37	1.78	0.77

A_52_P619887	BC065092	Heatr6	217026	HEAT repeat containing 6	1.67	1.78	0.20
A_51_P141152	NM_019812	Sirt1	93759	sirtuin 1 (silent mating type information regulation 2, homolog) 1 (<i>S. cerevisiae</i>)	1.59	1.78	0.27
A_51_P329855	NM_183149	Zfp598	213753	zinc finger protein 598	1.78	1.78	0.12
A_52_P157316	NM_030684	Trim34	94094	tripartite motif-containing 34	1.86	1.78	0.07
A_52_P15658	NA	NA	NA	NA	1.82	1.78	0.10
A_51_P377547	NM_011529	Tank	21353	TRAF family member-associated Nf-kappa B activator	1.81	1.78	0.10
A_52_P680710	NM_008466	Kpna3	16648	karyopherin (importin) alpha 3	1.82	1.78	0.10
A_51_P433237	NM_007665	Cdh3	12560	cadherin 3	1.93	1.78	0.05
A_51_P403610	NM_146852	Olfr1339	258851	olfactory receptor 1339	1.69	1.78	0.17
A_52_P51548	AK037015	Pard3	93742	par-3 (partitioning defective 3) homolog (<i>C. elegans</i>)	1.29	1.78	1.04
A_52_P653902	NM_175009	Eny2	223527	enhancer of yellow 2 homolog (<i>Drosophila</i>)	1.70	1.78	0.17
A_52_P78659	NM_024288	Rmnd5a	68477	required for meiotic nuclear division 5 homolog A (<i>S. cerevisiae</i>)	1.64	1.78	0.21
A_51_P361535	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	2.16	1.78	0.02
A_51_P320614	NM_001042	Txnrd1	50493	thioredoxin reductase 1	1.78	1.78	0.12
A_52_P277139	NM_030886	Ankrd17	81702	ankyrin repeat domain 17	1.95	1.78	0.05
A_51_P500718	NM_007832	Dck	13178	deoxycytidine kinase	1.67	1.77	0.20
A_52_P422514	NA	NA	NA	NA	1.43	1.77	0.58
A_52_P165705	NM_007640	Cd1d2	12480	CD1d2 antigen	1.36	1.77	0.77
A_51_P505872	XM_194424	NA	NA	NA	2.07	1.77	0.03
A_52_P421657	NM_139061	Vps54	245944	vacuolar protein sorting 54 (yeast)	2.10	1.77	0.02
A_52_P430262	NA	NA	NA	NA	1.72	1.77	0.15
A_51_P191021	NM_010472	Agfg1	15463	ArfGAP with FG repeats 1	1.95	1.77	0.05
A_52_P1004080	AK051046	NA	NA	NA	1.52	1.77	0.37
A_52_P389957	AK076431	Lrch1	380916	leucine-rich repeats and calponin homology (CH) domain containing 1	2.10	1.77	0.02
A_51_P365516	CF584628	NA	NA	NA	1.41	1.77	0.61
A_51_P267754	NM_010494	Icam2	15896	intercellular adhesion molecule 2	1.56	1.77	0.33
A_51_P105124	NM_183168	P2ry6	233571	pyrimidinergic receptor P2Y, G-protein coupled, 6	1.69	1.77	0.18

A_52_P176013	NM_008394	Irf9	16391	interferon regulatory factor 9	1.57	1.77	0.30
A_51_P249335	NM_145565	Sds	231691	serine dehydratase	1.58	1.77	0.28
A_51_P374900	NM_028808	P2ry13	74191	purinergic receptor P2Y, G-protein coupled 13	1.61	1.77	0.24
A_52_P597002	NA	NA	NA	NA	2.27	1.77	0.01
A_52_P50090	NM_001079	Sfrs5	20384	splicing factor, arginine/serine-rich 5 (SRp40, HRS)	1.58	1.77	0.28
A_51_P125535	NM_017374	Ppp2cb	19053	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	1.79	1.77	0.11
A_52_P273177	NM_008448	Kif5b	16573	kinesin family member 5B	1.84	1.77	0.09
A_52_P618569	NM_001025	Ikzf1	22778	IKAROS family zinc finger 1	1.96	1.77	0.04
A_52_P144032	NM_001042	Rbpms	19663	RNA binding protein gene with multiple splicing	1.37	1.77	0.77
A_51_P167322	NM_030886	Ankrd17	81702	ankyrin repeat domain 17	1.71	1.77	0.16
A_52_P71496	NM_025816	Tax1bp1	52440	Tax1 (human T-cell leukemia virus type I) binding protein 1	1.68	1.77	0.18
A_52_P811745	BB200491	NA	NA	NA	1.44	1.77	0.55
A_52_P149590	NM_144848	Eppk1	223650	epiplakin 1	1.73	1.77	0.15
A_52_P309376	NM_008413	Jak2	16452	Janus kinase 2	1.39	1.77	0.70
A_51_P125691	NM_028023	Cdca4	71963	cell division cycle associated 4	1.45	1.77	0.53
A_52_P85945	NM_008602	Pias2	17344	protein inhibitor of activated STAT 2	1.56	1.76	0.33
A_51_P513515	AK018656	Fer1l4	74562	fer-1-like 4 (C. elegans)	1.50	1.76	0.44
A_52_P658465	XM_001004	NA	NA	NA	1.92	1.76	0.06
A_51_P178319	NM_029466	Arl5b	75869	ADP-ribosylation factor-like 5B	1.61	1.76	0.24
A_51_P181297	NM_025429	Serpinb1a	66222	serine (or cysteine) peptidase inhibitor, clade B, member 1a	1.38	1.76	0.70
A_52_P353242	NA	NA	NA	NA	1.45	1.76	0.53
A_51_P205820	NM_178357	Klf11	194655	Kruppel-like factor 11	1.69	1.76	0.17
A_52_P29987	AK147576	Prickle2	243548	prickle homolog 2 (Drosophila)	1.74	1.76	0.15
A_52_P625880	AK029366	Tmem209	72649	transmembrane protein 209	1.69	1.76	0.18
A_52_P615096	NM_015729	Acox1	11430	acyl-Coenzyme A oxidase 1, palmitoyl membrane protein, palmitoylated 7 (MAGUK p55	1.37	1.76	0.77
A_52_P57889	AK141108	Mpp7	75739	subfamily member 7)	1.56	1.76	0.33
A_51_P271835	NM_146142	Tdrd7	100121	tudor domain containing 7	1.93	1.76	0.05
A_52_P317730	NA	NA	NA	NA	1.31	1.76	0.97
A_52_P502828	NM_001008	Pde2a	207728	phosphodiesterase 2A, cGMP-stimulated	1.31	1.76	0.97

A_52_P180752	NM_009419	Tpst2	22022	protein-tyrosine sulfotransferase 2	1.43	1.76	0.58
A_51_P287418	NM_008548	Man1a	17155	mannosidase 1, alpha	2.37	1.76	0.01
A_51_P443508	NM_026438	Ppa1	67895	pyrophosphatase (inorganic) 1	1.72	1.76	0.15
A_52_P685422	NA	NA	NA	NA	1.69	1.76	0.17
A_51_P513803	AK015995	Fbxo4	106052	F-box protein 4	1.92	1.76	0.06
A_52_P949155	NA	NA	NA	NA	1.57	1.76	0.30
A_51_P379775	NM_134122	Nrm	106582	nurim (nuclear envelope membrane protein)	1.99	1.76	0.04
A_51_P252725	NM_008150	Gpc4	14735	glypican 4	1.85	1.76	0.07
A_51_P124089	NM_019581	Gtpbp2	56055	GTP binding protein 2	1.50	1.76	0.44
A_52_P174525	BC043337	Epb4.1	269587	erythrocyte protein band 4.1	1.52	1.76	0.40
A_51_P256642	NM_146145	Jak1	16451	Janus kinase 1	1.39	1.76	0.70
A_52_P483101	NM_015763	Lpin1	14245	lipin 1	1.31	1.76	0.97
A_52_P41985	NM_009070	Rnps1	19826	ribonucleic acid binding protein S1	1.44	1.76	0.55
A_51_P377452	NM_008677	Ncf4	17972	neutrophil cytosolic factor 4	1.61	1.76	0.24
A_52_P525705	NA	NA	NA	NA	1.45	1.76	0.53
A_52_P305289	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	2.06	1.76	0.03
A_52_P150356	NM_013760	Dnajb9	27362	Dnaj (Hsp40) homolog, subfamily B, member 9	1.36	1.75	0.77
A_52_P286543	NM_019927	Arih1	23806	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)	1.89	1.75	0.07
A_52_P333749	NM_001033	Fam82a2	67809	family with sequence similarity 82, member A2	1.75	1.75	0.14
A_52_P266106	NM_027554	Usp38	74841	ubiquitin specific peptidase 38	1.37	1.75	0.77
A_52_P486979	BC052908	Vcpip1	70675	valosin containing protein (p97)/p47 complex interacting protein 1	1.76	1.75	0.13
A_52_P597775	NM_181444	Gprc5a	232431	G protein-coupled receptor, family C, group 5, member A	1.38	1.75	0.70
A_51_P510096	NM_172593	Mier3	218613	mesoderm induction early response 1, family member 3	1.96	1.75	0.04
A_52_P652446	AK036186	NA	NA	NA	2.02	1.75	0.04
A_52_P239707	NM_010914	Nfyb	18045	nuclear transcription factor-Y beta	1.75	1.75	0.14
A_51_P103261	NM_009198	Slc17a1	20504	solute carrier family 17 (sodium phosphate), member 1	1.57	1.75	0.30
A_51_P329469	NM_173753	Fnip1	216742	folliculin interacting protein 1	1.61	1.75	0.24
A_52_P676108	NM_027187	Rnaseh2a	69724	ribonuclease H2, large subunit	1.53	1.75	0.34

A_51_P186325	AK010662	Trnt1	70047	tRNA nucleotidyl transferase, CCA-adding, 1	1.49	1.75	0.46
A_52_P60693	NA	NA	NA	NA	1.40	1.74	0.67
A_52_P221057	NA	NA	NA	NA	1.70	1.74	0.17
A_52_P589780	BC050055	Vps13a	271564	vacuolar protein sorting 13A (yeast) FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1	1.54	1.74	0.34
A_51_P332939	NM_134082	Farp1	223254	(chondrocyte-derived)	1.47	1.74	0.50
A_52_P419455	NM_007413	Adora2b	11541	adenosine A2b receptor	1.33	1.74	0.86
A_52_P261184	AK085780	Il1rl2	107527	interleukin 1 receptor-like 2	1.37	1.74	0.77
A_52_P158527	NM_207680	Bcl2l11	12125	BCL2-like 11 (apoptosis facilitator)	1.70	1.74	0.17
A_51_P430165	NM_146250	Gpr1	241070	G protein-coupled receptor 1	2.02	1.74	0.04
A_52_P502754	NM_009667	Ampd3	11717	adenosine monophosphate deaminase 3	1.37	1.74	0.77
A_52_P310530	NM_053104	Rbm9	93686	RNA binding motif protein 9	1.49	1.74	0.44
A_51_P347862	NM_134156	Actn1	109711	actinin, alpha 1	1.62	1.74	0.22
A_52_P168047	NM_175094	Pdhx	27402	pyruvate dehydrogenase complex, component X	1.84	1.74	0.09
A_52_P638439	NM_001037	NA	NA	NA	1.51	1.74	0.40
A_52_P46384	NM_029857	Tmco4	77056	transmembrane and coiled-coil domains 4	1.89	1.74	0.07
A_52_P83193	AK011675	Gm6649	626061	E74-like factor 1 pseudogene	1.58	1.74	0.28
A_52_P163489	NM_001039	Tmsb10	19240	thymosin, beta 10	1.48	1.74	0.46
A_51_P169516	XM_141580	Ppp1r3d	228966	protein phosphatase 1, regulatory subunit 3D	1.93	1.74	0.05
A_51_P190499	NM_019909	NA	NA	NA	1.44	1.74	0.55
A_52_P374669	XM_359326	Kdm5a	214899	lysine (K)-specific demethylase 5A	1.57	1.74	0.30
A_52_P660032	NM_016856	Cpsf2	51786	cleavage and polyadenylation specific factor 2	1.45	1.74	0.53
A_51_P319805	NM_203492	Mrgprg	381974	MAS-related GPR, member G	1.40	1.74	0.67
A_52_P207314	XM_284398	NA	NA	NA	1.48	1.74	0.46
A_52_P643784	NM_013745	Nufip1	27275	nuclear fragile X mental retardation protein interacting protein 1	1.70	1.73	0.17
A_52_P785927	AK014122	3110035C0	73161	RIKEN cDNA 3110035C09 gene	1.40	1.73	0.67
A_51_P411217	NM_027409	Mospd1	70380	motile sperm domain containing 1	1.46	1.73	0.53
A_51_P241733	NM_145435	Pyy	217212	peptide YY	1.32	1.73	0.91
A_52_P677092	XM_358384	NA	NA	NA	1.36	1.73	0.82
A_51_P422629	NM_011603	Tbpl1	237336	TATA box binding protein-like 1	1.66	1.73	0.20
A_52_P260126	NM_026476	2610101N1	167958	RIKEN cDNA 2610101N10 gene	1.42	1.73	0.61
A_52_P475886	NM_001024	Rc3h1	381305	RING CCCH (C3H) domains 1	1.37	1.73	0.77
A_52_P316841	AK078093	A430057L1	320372	RIKEN cDNA A430057L12 gene	1.53	1.73	0.37

A_52_P514061	AK137625	Padi4	18602	peptidyl arginine deiminase, type IV	1.80	1.73	0.11
A_52_P599917	AK132725	Whsc1l1	234135	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	1.59	1.73	0.27
A_51_P218563	NM_153566	Yrdc	230734	yrdC domain containing (E.coli)	1.37	1.73	0.77
A_51_P421094	BC059917	Ascc3	77987	activating signal cointegrator 1 complex subunit 3	1.84	1.73	0.09
A_51_P326030	NM_145490	BC011426	224893	cDNA sequence BC011426	1.51	1.73	0.40
A_52_P455275	NM_025280	Kin	16588	antigenic determinant of rec-A protein	2.08	1.73	0.03
A_51_P394690	NM_175036	Leprot	230514	leptin receptor overlapping transcript	2.00	1.73	0.04
A_52_P33067	AK080164	NA	NA	NA	1.85	1.73	0.07
A_52_P840743	NA	NA	NA	NA	1.52	1.73	0.40
A_52_P594532	AK129134	Nupl1	71844	nucleoporin like 1	1.50	1.73	0.44
A_51_P102174	XM_898869	NA	NA	NA	1.82	1.73	0.10
A_52_P325797	NA	NA	NA	NA	1.53	1.73	0.37
A_51_P377210	NM_026368	5830433M	67770	RIKEN cDNA 5830433M19 gene	1.46	1.73	0.53
A_52_P583728	NM_172276	Sfrs8	231769	splicing factor, arginine/serine-rich 8	1.56	1.73	0.30
A_52_P250753	NM_078478	Ghitm	66092	growth hormone inducible transmembrane protein	1.63	1.72	0.22
A_51_P102740	AK084873	NA	NA	NA	1.75	1.72	0.14
A_51_P361426	NM_026011	Arl8b	67166	ADP-ribosylation factor-like 8B	1.40	1.72	0.67
A_52_P564544	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	1.40	1.72	0.67
A_52_P581454	NM_008847	Pip5k1a	18720	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	1.66	1.72	0.20
A_52_P31593	NM_011104	Prkce	18754	protein kinase C, epsilon	1.56	1.72	0.30
A_52_P635078	NM_172668	Lrp4	228357	low density lipoprotein receptor-related protein 4	1.72	1.72	0.15
A_51_P487718	NM_010093	E2f3	13557	E2F transcription factor 3	1.96	1.72	0.04
A_51_P198411	NM_008163	Grb2	14784	growth factor receptor bound protein 2	1.95	1.72	0.05
A_52_P367456	XM_885934	NA	NA	NA	1.92	1.72	0.06
A_52_P354682	NM_029001	Elov17	74559	ELOVL family member 7, elongation of long chain fatty acids (yeast)	1.37	1.72	0.77
A_52_P605480	XM_888040	NA	NA	NA	1.40	1.72	0.67
A_52_P331215	AK161721	Tlcd1	68385	TLC domain containing 1 spastic paraplegia 20, spartin (Troyer syndrome)	1.61	1.72	0.24
A_52_P168271	NM_144895	Spg20	229285	homolog (human)	1.46	1.72	0.53

A_52_P111031	NM_001013	Pcdh17	219228	protocadherin 17	1.55	1.72	0.33
A_52_P266540	BC057625	Ubr4	69116	ubiquitin protein ligase E3 component n-recognin 4	1.93	1.72	0.05
A_51_P483473	NM_011375	St3gal5	20454	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	1.51	1.72	0.40
A_52_P490343	BC055708	Pbrm1	66923	polybromo 1	1.57	1.72	0.30
A_52_P17098	AK078849	Mpp7	75739	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	1.40	1.72	0.67
A_51_P427505	NM_025673	Golph3	66629	golgi phosphoprotein 3	1.32	1.72	0.97
A_51_P215106	NM_008047	Fstl1	14314	folliculin-like 1	1.59	1.72	0.28
A_51_P320444	NM_009072	Rock2	19878	Rho-associated coiled-coil containing protein kinase 2	1.44	1.72	0.55
A_52_P223495	NM_010576	Itga4	16401	integrin alpha 4	1.62	1.72	0.22
A_51_P399223	NM_009167	Shc3	20418	src homology 2 domain-containing transforming protein C3	1.50	1.72	0.44
A_52_P43326	NM_009062	Rgs4	19736	regulator of G-protein signaling 4	1.69	1.72	0.17
A_51_P103819	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	1.85	1.72	0.09
A_52_P254231	NM_153566	Yrdc	230734	yrdC domain containing (E.coli)	1.68	1.71	0.18
A_52_P434052	NM_001039	Wdr37	207615	WD repeat domain 37	1.66	1.71	0.20
A_52_P129388	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	1.50	1.71	0.44
A_52_P254174	NM_008173	Nr3c1	14815	nuclear receptor subfamily 3, group C, member 1	1.30	1.71	1.04
A_52_P636151	NM_025673	Golph3	66629	golgi phosphoprotein 3	1.41	1.71	0.61
A_52_P569364	XM_194424	NA	NA	NA	1.52	1.71	0.37
A_52_P73836	NA	NA	NA	NA	1.99	1.71	0.04
A_51_P169693	NM_198095	Bst2	69550	bone marrow stromal cell antigen 2	1.40	1.71	0.67
A_52_P589268	NM_001005	Smg7	226517	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	1.79	1.71	0.11
A_52_P1179988	AK050242	NA	NA	NA	1.62	1.71	0.22
A_51_P142057	NM_007458	Ap2a1	11771	adaptor protein complex AP-2, alpha 1 subunit	1.67	1.71	0.20
A_51_P371912	NM_177715	Kctd12	239217	potassium channel tetramerisation domain containing 12	1.54	1.71	0.34
A_51_P256369	NM_199322	Dot1l	208266	DOT1-like, histone H3 methyltransferase (S. cerevisiae)	1.51	1.71	0.40
A_51_P101196	NM_011189	Psme1	19186	proteasome (prosome, macropain) 28 subunit, alpha	1.78	1.71	0.12

A_52_P135822	NA	NA	NA	NA	1.38	1.71	0.70
A_51_P239766	NM_019676	Plcd1	18799	phospholipase C, delta 1	1.47	1.71	0.50
A_52_P541802	NM_026820	Ifitm1	68713	interferon induced transmembrane protein 1	1.37	1.71	0.77
A_52_P673421	NM_178606	Reep3	28193	receptor accessory protein 3	1.58	1.71	0.28
A_52_P121675	NM_009884	Cebpg	12611	CCAAT/enhancer binding protein (C/EBP), gamma	1.45	1.71	0.55
A_51_P338397	NM_026145	Kctd10	330171	potassium channel tetramerisation domain containing 10	1.63	1.71	0.22
A_51_P377760	NM_011882	Rnasel	24014	ribonuclease L (2', 5'-oligoadenylate synthetase-dependent)	1.92	1.71	0.06
A_51_P211584	XM_148244	NA	NA	NA	1.53	1.71	0.37
A_52_P652316	NM_153058	Mapre2	212307	microtubule-associated protein, RP/EB family, member 2	1.37	1.71	0.77
A_52_P259087	NM_009939	Cops2	12848	COP9 (constitutive photomorphogenic) homolog, subunit 2 (Arabidopsis thaliana)	1.75	1.71	0.14
A_52_P553890	AK135584	Itgb3	16416	integrin beta 3	1.57	1.71	0.30
A_51_P518698	AK011534	Bmpr2	12168	bone morphogenic protein receptor, type II (serine/threonine kinase)	1.79	1.71	0.11
A_51_P495462	AK018118	Gad2	14417	glutamic acid decarboxylase 2	1.61	1.71	0.24
A_51_P186415	AK173243	Ssh2	237860	slingshot homolog 2 (Drosophila)	1.70	1.70	0.17
A_52_P482875	NM_172406	Trak2	70827	trafficking protein, kinesin binding 2	1.88	1.70	0.07
A_51_P246166	NM_007969	Expi	14038	extracellular proteinase inhibitor	1.36	1.70	0.82
A_52_P634090	NM_013822	Jag1	16449	jagged 1	1.49	1.70	0.44
A_51_P324082	NM_013634	Med1	19014	mediator complex subunit 1	1.75	1.70	0.14
A_51_P439118	NA	NA	NA	NA	1.33	1.70	0.86
A_51_P394387	NM_024254	2410042D2	72425	RIKEN cDNA 2410042D21 gene	1.38	1.70	0.70
A_51_P408123	AK036565	NA	NA	NA	1.44	1.70	0.55
A_51_P233027	NM_001033	Fam82a2	67809	family with sequence similarity 82, member A2	1.68	1.70	0.18
A_52_P512196	NM_181730	Polr1d	20018	polymerase (RNA) I polypeptide D	1.76	1.70	0.13
A_52_P479647	NM_198013	Cuedc1	103841	CUE domain containing 1	1.55	1.70	0.33
A_52_P75659	NM_181411	Aftph	216549	aftiphilin	1.66	1.70	0.20
A_52_P160121	NM_029510	Bcor	71458	BCL6 interacting corepressor	1.66	1.70	0.20
A_52_P496935	NM_030184	Armc9	78795	armadillo repeat containing 9	1.38	1.70	0.70
A_51_P499891	NM_030675	Krit1	79264	KRIT1, ankyrin repeat containing	1.63	1.70	0.22

A_52_P363110	NM_010207	Fgfr2	14183	fibroblast growth factor receptor 2	1.80	1.70	0.11
A_52_P431859	NA	NA	NA	NA	1.77	1.69	0.12
A_52_P574881	NM_008316	Hus1	15574	Hus1 homolog (<i>S. pombe</i>)	1.75	1.69	0.14
A_51_P127527	NM_031194	Slc22a8	19879	solute carrier family 22 (organic anion transporter), member 8	1.37	1.69	0.77
A_51_P167803	NM_008800	Pde1b	18574	phosphodiesterase 1B, Ca ²⁺ -calmodulin dependent	1.58	1.69	0.28
A_52_P440508	AK041801	NA	NA	NA	1.73	1.69	0.15
A_51_P385718	NM_026862	Cd177	68891	CD177 antigen	2.06	1.69	0.03
A_52_P10732	NM_001048	Mtap6	17760	microtubule-associated protein 6	1.48	1.69	0.46
A_51_P326091	BC023121	Cflar	12633	CASP8 and FADD-like apoptosis regulator	1.53	1.69	0.37
A_51_P172589	AK004627	1200007C1	74119	RIKEN cDNA 1200007C13 gene	1.67	1.69	0.20
A_52_P90337	NM_010794	Mgat1	17308	mannoside acetylglucosaminyltransferase 1	1.34	1.69	0.86
A_51_P334619	X16493	Zfp1	22640	zinc finger protein 1	1.61	1.69	0.24
A_52_P6070	NM_027627	4931408AC	70967	RIKEN cDNA 4931408A02 gene	1.47	1.69	0.50
A_51_P118902	NM_008551	Mapkapk2	17164	MAP kinase-activated protein kinase 2	1.53	1.69	0.37
A_51_P175555	NM_134058	Pelo	105083	pelota homolog (<i>Drosophila</i>)	1.44	1.69	0.55
A_51_P336083	NM_178775	Rps6kc1	320119	ribosomal protein S6 kinase polypeptide 1	1.84	1.69	0.09
A_51_P449194	AK084851	D430001L0	320584	RIKEN cDNA D430001L07 gene	1.42	1.69	0.58
A_51_P359333	NM_010209	Fh1	14194	fumarate hydratase 1	1.66	1.69	0.20
A_52_P262967	NM_016676	Rab10	19325	RAB10, member RAS oncogene family	1.92	1.69	0.06
A_51_P315682	NM_183029	Igf2bp2	319765	insulin-like growth factor 2 mRNA binding protein 2	1.59	1.69	0.27
A_51_P441979	NM_008847	Pip5k1a	18720	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	1.61	1.69	0.24
A_51_P273234	NM_147055	OlfR649	259057	olfactory receptor 649	1.39	1.69	0.67
A_51_P167232	NM_009806	Cask	12361	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	1.43	1.69	0.58
A_52_P320374	NA	NA	NA	NA	1.34	1.69	0.86
A_52_P681771	NM_025802	Pnpla2	66853	patatin-like phospholipase domain containing 2	1.58	1.69	0.28
A_52_P197436	NA	NA	NA	NA	1.48	1.69	0.46
A_52_P105801	AK140163	Arsb	11881	arylsulfatase B	1.44	1.69	0.55
A_52_P601727	AK052688	Cfh	12628	complement component factor h	1.43	1.69	0.58
A_51_P262079	NM_010394	H2-Q7	15018	histocompatibility 2, Q region locus 7	1.43	1.69	0.58

A_51_P490397	NM_133692	Pold3	67967	polymerase (DNA-directed), delta 3, accessory subunit	1.91	1.68	0.06
A_52_P552092	AK035614	Adat1	30947	adenosine deaminase, tRNA-specific 1	1.46	1.68	0.53
A_52_P613358	NM_013760	Dnajb9	27362	Dnaj (Hsp40) homolog, subfamily B, member 9	1.32	1.68	0.91
A_52_P170761	NM_022979	Nup98	269966	nucleoporin 98	1.82	1.68	0.09
A_51_P388374	NM_026141	Ppil4	67418	peptidylprolyl isomerase (cyclophilin)-like 4	1.67	1.68	0.20
A_52_P488305	NM_023668	Ndel1	83431	nuclear distribution gene E-like homolog 1 (A. nidulans)	1.48	1.68	0.50
A_52_P469789	NM_007588	Calcr	12311	calcitonin receptor	1.54	1.68	0.34
A_52_P196138	BC038386	Cep110	26920	centrosomal protein 110	1.63	1.68	0.22
A_51_P497171	NM_008534	Ly9	17085	lymphocyte antigen 9	1.55	1.68	0.34
A_51_P147034	NM_027407	Ica1l	70375	islet cell autoantigen 1-like	1.41	1.68	0.61
A_51_P324273	NM_177267	Dcaf5	320808	DDB1 and CUL4 associated factor 5	1.94	1.68	0.05
A_52_P173485	NM_144937	Usp3	235441	ubiquitin specific peptidase 3	1.35	1.68	0.82
A_51_P325552	NM_026457	Spert	67926	spermatid associated	1.38	1.68	0.70
A_52_P620023	NM_026487	Atad1	67979	ATPase family, AAA domain containing 1 COX15 homolog, cytochrome c oxidase assembly	1.32	1.68	0.91
A_51_P354744	NM_144874	Cox15	226139	protein (yeast)	1.70	1.68	0.17
A_51_P516922	NM_173753	Fnip1	216742	folliculin interacting protein 1	1.47	1.68	0.50
A_52_P545373	AK051634	NA	NA	NA	1.74	1.68	0.15
A_51_P498242	NM_024242	Riok1	71340	RIO kinase 1 (yeast)	1.49	1.68	0.44
A_52_P66596	XM_205469	Dmrtb1	56296	DMRT-like family B with proline-rich C-terminal, 1	1.84	1.68	0.09
A_52_P162697	NM_027514	Pvr	52118	poliovirus receptor	1.64	1.68	0.21
A_52_P462125	NM_001039	Gm13034	627585	predicted gene 13034	1.49	1.68	0.44
A_52_P497235	NM_026985	1810033B1	69189	RIKEN cDNA 1810033B17 gene	1.47	1.68	0.50
A_52_P307628	NM_028767	Foxp4	74123	forkhead box P4	1.65	1.68	0.20
A_52_P69867	NM_028292	Ppme1	72590	protein phosphatase methylesterase 1	1.37	1.68	0.77
A_52_P572284	NM_008640	Laptm4a	17775	lysosomal-associated protein transmembrane 4A membrane protein, palmitoylated 7 (MAGUK p55	1.53	1.68	0.37
A_51_P378227	AK141108	Mpp7	75739	subfamily member 7)	1.56	1.68	0.30
A_51_P145533	NM_020012	Rnf14	56736	ring finger protein 14	1.83	1.68	0.09
A_52_P492081	NM_130447	Dusp16	70686	dual specificity phosphatase 16	1.42	1.68	0.61
A_52_P522023	AK146582	Alkbh1	211064	alkB, alkylation repair homolog 1 (E. coli)	1.75	1.68	0.14

A_51_P141860	NM_134015	Fbxw11	103583	F-box and WD-40 domain protein 11	1.58	1.68	0.28
A_52_P330984	AK089989	Lin9	72568	lin-9 homolog (C. elegans)	1.70	1.68	0.16
A_52_P342940	NM_016694	Park2	50873	Parkinson disease (autosomal recessive, juvenile) 2, parkin	1.34	1.67	0.86
A_52_P368532	BG961926	NA	NA	NA	1.33	1.67	0.86
A_51_P283639	NM_001029	Sec23ip	207352	Sec23 interacting protein	1.40	1.67	0.67
A_51_P521052	NM_029627	Ly6k	76486	lymphocyte antigen 6 complex, locus K	1.29	1.67	1.04
A_51_P494122	NM_025462	Ece2	107522	endothelin converting enzyme 2	1.46	1.67	0.53
A_52_P618807	NM_133656	Crk	12928	v-crk sarcoma virus CT10 oncogene homolog (avian)	1.78	1.67	0.12
A_51_P262699	NA	NA	NA	NA	1.65	1.67	0.20
A_51_P268103	NM_172253	Twistnb	28071	TWIST neighbor	1.59	1.67	0.27
A_52_P378406	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	1.88	1.67	0.07
A_52_P52263	NM_001044	D17Wsu92	224647	DNA segment, Chr 17, Wayne State University 92, expressed	1.42	1.67	0.61
A_52_P346803	NM_172291	Foxred1	235169	FAD-dependent oxidoreductase domain containing 1	1.69	1.67	0.18
A_51_P312327	NM_022415	Ptges	64292	prostaglandin E synthase	1.38	1.67	0.70
A_51_P451075	NM_009722	Atp2a2	11938	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	1.61	1.67	0.24
A_51_P453948	NM_007879	Drg1	13494	developmentally regulated GTP binding protein 1	1.42	1.67	0.58
A_51_P446192	AK132230	Esf1	66580	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	1.37	1.67	0.77
A_52_P223333	NM_144860	Mib1	225164	mindbomb homolog 1 (Drosophila)	1.66	1.67	0.20
A_51_P505774	BC052528	Rbbp6	19647	retinoblastoma binding protein 6	1.52	1.67	0.37
A_51_P236412	NM_016912	Cdkl2	53886	cyclin-dependent kinase-like 2 (CDC2-related kinase)	1.55	1.67	0.33
A_52_P127130	NM_031195	Msr1	20288	macrophage scavenger receptor 1	1.45	1.67	0.53
A_52_P59006	AK003545	St13	70356	suppression of tumorigenicity 13	1.40	1.67	0.67
A_52_P490263	NM_013819	H2-M3	14991	histocompatibility 2, M region locus 3	1.33	1.67	0.86
A_52_P77332	NM_022655	Ireb2	64602	iron responsive element binding protein 2	1.47	1.67	0.50
A_52_P59318	NM_133832	Rdh10	98711	retinol dehydrogenase 10 (all-trans)	1.34	1.67	0.86
A_51_P322095	NM_026924	Ovol2	107586	ovo-like 2 (Drosophila)	1.39	1.67	0.67

A_52_P75971	NM_026599	Cgnl1	68178	cingulin-like 1	1.31	1.67	0.97
A_52_P371946	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	1.77	1.67	0.13
A_52_P258291	NM_011808	Ets1	23871	E26 avian leukemia oncogene 1, 5' domain	1.78	1.67	0.12
A_52_P153147	NA	NA	NA	NA	1.90	1.67	0.07
A_52_P1083441	AK020213	Ddx3y	26900	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked	1.49	1.67	0.46
A_51_P330044	NM_028979	Cyp2j9	74519	cytochrome P450, family 2, subfamily j, polypeptide 9	1.34	1.67	0.86
A_51_P152191	AK122486	Xpo5	72322	exportin 5	1.59	1.67	0.27
A_52_P78257	NM_031257	Plekha2	83436	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2	1.45	1.67	0.55
A_51_P520397	AK021321	Gm9802	78589	predicted gene 9802	1.48	1.67	0.46
A_51_P224872	BC076568	Syne2	319565	synaptic nuclear envelope 2	1.95	1.66	0.05
A_52_P453684	AK021086	Lrp6	16974	low density lipoprotein receptor-related protein 6	1.88	1.66	0.07
A_51_P271803	NM_145354	Nsun2	28114	NOL1/NOP2/Sun domain family member 2	1.29	1.66	1.04
A_51_P387348	BC110692	Adora2a	11540	adenosine A2a receptor	1.66	1.66	0.20
A_52_P234073	NM_013463	Gla	11605	galactosidase, alpha	1.78	1.66	0.12
A_51_P466633	NM_011391	Slc16a7	20503	solute carrier family 16 (monocarboxylic acid transporters), member 7	1.31	1.66	0.97
A_51_P199187	NM_026062	Fam69a	67266	family with sequence similarity 69, member A	1.56	1.66	0.33
A_52_P480351	XM_985144	NA	NA	NA	1.51	1.66	0.40
A_51_P279505	NM_019743	Rybp	56353	RING1 and YY1 binding protein	1.45	1.66	0.53
A_52_P59124	NM_001025	Ms4a7	109225	membrane-spanning 4-domains, subfamily A, member 7	1.37	1.66	0.77
A_52_P145412	NM_030168	Rictor	78757	RPTOR independent companion of MTOR, complex 2	1.61	1.66	0.24
A_52_P584293	NM_181415	Atrnl1	226255	attractin like 1	1.54	1.66	0.34
A_51_P402458	NM_009674	Anxa7	11750	annexin A7	1.41	1.66	0.67
A_51_P386382	NM_025858	Shisa5	66940	shisa homolog 5 (<i>Xenopus laevis</i>)	1.41	1.66	0.61
A_52_P327615	NM_181070	Rab18	19330	RAB18, member RAS oncogene family	1.53	1.66	0.37
A_51_P242027	NM_018753	Ywhab	54401	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	1.50	1.66	0.44

A_51_P359259	NM_027569	Spag9	70834	sperm associated antigen 9	1.30	1.66	1.04
A_51_P506236	NM_016691	Clcn5	12728	chloride channel 5	1.59	1.66	0.28
A_52_P336643	XM_354566	NA	NA	NA	1.73	1.66	0.15
A_51_P467798	NM_022018	Fam129a	63913	family with sequence similarity 129, member A	1.64	1.66	0.21
A_52_P386468	NM_007700	Chuk	12675	conserved helix-loop-helix ubiquitous kinase	1.42	1.66	0.61
A_52_P421673	NM_001037	Samd4	74480	sterile alpha motif domain containing 4	1.72	1.66	0.15
A_51_P332627	NM_016776	Mybbp1a	18432	MYB binding protein (P160) 1a	1.45	1.66	0.53
A_51_P415855	NM_010559	Il6ra	16194	interleukin 6 receptor, alpha sema domain, transmembrane domain (TM), and	1.74	1.66	0.15
A_51_P324251	NM_011351	Sema6c	20360	cytoplasmic domain, (semaphorin) 6C	1.35	1.66	0.82
A_51_P451176	NM_024469	Bhlhe41	79362	basic helix-loop-helix family, member e41	1.73	1.66	0.15
A_51_P393574	NM_001039	Tctn1	654470	tectonic family member 1	1.37	1.66	0.77
A_52_P249672	AK014716	4833417J2	74604	RIKEN cDNA 4833417J20 gene	1.67	1.66	0.18
A_52_P471913	NM_015751	Abce1	24015	ATP-binding cassette, sub-family E (OABP), member 1	1.53	1.66	0.37
A_52_P21574	AK033091	Pdlim7	67399	PDZ and LIM domain 7 stromal membrane-associated GTPase-activating	1.68	1.66	0.18
A_52_P25560	NM_133716	Smap2	69780	protein 2	1.56	1.65	0.33
A_51_P498772	NM_144953	1700019D03	67080	RIKEN cDNA 1700019D03 gene	1.30	1.65	1.04
A_52_P77983	NM_009551	Zfand5	22682	zinc finger, AN1-type domain 5	1.52	1.65	0.37
A_52_P127720	BC069183	Sp100	20684	nuclear antigen Sp100 nudix (nucleoside diphosphate linked moiety X)-type	1.40	1.65	0.67
A_51_P163305	NM_016918	Nudt5	53893	motif 5	1.51	1.65	0.40
A_51_P286610	NM_001038	Rabgap1l	29809	RAB GTPase activating protein 1-like	1.69	1.65	0.17
A_52_P274960	NM_001005	Arhgap30	226652	Rho GTPase activating protein 30	1.30	1.65	0.97
A_51_P384318	NM_023143	C1ra	50909	complement component 1, r subcomponent A	1.53	1.65	0.37
A_51_P183400	NM_146194	Picalm	233489	phosphatidylinositol binding clathrin assembly protein	1.50	1.65	0.44
A_51_P362818	BC031139	Nlrp6	101613	NLR family, pyrin domain containing 6	1.33	1.65	0.86
A_52_P372032	NM_019553	Ddx21	56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	1.61	1.65	0.24
A_51_P488308	NM_139061	Vps54	245944	vacuolar protein sorting 54 (yeast) cysteine rich transmembrane BMP regulator 1 (chordin	1.85	1.65	0.07
A_52_P46447	AK053197	Crim1	50766	like)	1.32	1.65	0.97
A_52_P162695	NM_027514	Pvr	52118	poliovirus receptor	1.40	1.65	0.67

A_51_P405135	XM_896646	NA	NA	NA	1.86	1.65	0.07
A_51_P251357	NM_016748	Ctps	51797	cytidine 5'-triphosphate synthase	1.31	1.65	0.97
A_51_P485510	NM_029825	Scfd1	76983	Sec1 family domain containing 1	1.32	1.65	0.91
A_51_P186735	NM_146151	Tesk2	230661	testis-specific kinase 2	1.43	1.65	0.58
A_51_P180001	BC096465	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	1.49	1.65	0.44
A_52_P82991	NA	NA	NA	NA	1.38	1.65	0.70
A_51_P223177	NM_028791	Ftsjd2	74157	FtsJ methyltransferase domain containing 2	1.35	1.65	0.82
A_51_P409132	NM_177325	Tsr1	104662	TSR1, 20S rRNA accumulation, homolog (yeast)	1.49	1.65	0.44
A_52_P22073	NM_010918	Nktr	18087	natural killer tumor recognition sequence	1.61	1.64	0.24
A_51_P320466	NM_011299	Rps6ka2	20112	ribosomal protein S6 kinase, polypeptide 2	1.60	1.64	0.24
A_51_P432538	NM_010397	H2-T22	15039	histocompatibility 2, T region locus 22	1.42	1.64	0.58
A_52_P50496	AK168517	H2-K1	14972	histocompatibility 2, K1, K region	1.32	1.64	0.91
A_51_P162612	NM_024275	Map4k5	399510	mitogen-activated protein kinase kinase kinase kinase 5	1.38	1.64	0.70
A_51_P509609	NM_053082	Tspan4	64540	tetraspanin 4	1.60	1.64	0.27
A_52_P276815	NM_001005	ErbB2ip	59079	ErbB2 interacting protein	1.40	1.64	0.67
A_51_P306839	NM_025465	1810029B1	66282	RIKEN cDNA 1810029B16 gene	1.37	1.64	0.77
A_52_P338110	NM_024190	Chmp1b	67064	chromatin modifying protein 1B	1.57	1.64	0.30
A_51_P248097	AK044873	NA	NA	NA	1.56	1.64	0.33
A_51_P515768	AK033091	Pdlim7	67399	PDZ and LIM domain 7	1.62	1.64	0.22
A_51_P479390	AK007436	Adamts9	101401	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	1.46	1.64	0.50
A_52_P197826	NM_010397	H2-T22	15039	histocompatibility 2, T region locus 22	1.34	1.64	0.86
A_51_P257960	NM_011967	Psma5	26442	proteasome (prosome, macropain) subunit, alpha type 5	1.63	1.64	0.22
A_52_P667157	NA	NA	NA	NA	1.59	1.64	0.27
A_51_P479808	NM_027418	Mapk6	50772	mitogen-activated protein kinase 6	1.42	1.64	0.58
A_52_P472465	NM_175683	Dclre1c	227525	DNA cross-link repair 1C, PSO2 homolog (<i>S. cerevisiae</i>)	1.33	1.64	0.91
A_51_P323081	NM_198161	Bhlhb9	70237	basic helix-loop-helix domain containing, class B9	1.42	1.64	0.61
A_52_P662600	NM_019808	Pdlim5	56376	PDZ and LIM domain 5	1.59	1.64	0.28
A_52_P397385	AK032013	Anxa7	11750	annexin A7	1.38	1.64	0.70

				peroxisomal delta3, delta2-enoyl-Coenzyme A			
A_51_P394665	NM_011868	Peci	23986	isomerase	1.53	1.64	0.37
A_52_P418665	NM_029512	Ttpal	76080	tocopherol (alpha) transfer protein-like	1.51	1.63	0.40
A_52_P460037	NM_020575	7-Mar	57438	membrane-associated ring finger (C3HC4) 7	1.33	1.63	0.91
A_52_P512309	NA	NA	NA	NA	1.31	1.63	0.97
A_51_P327075	NM_130864	Acaa1a	113868	acetyl-Coenzyme A acyltransferase 1A	1.34	1.63	0.86
A_51_P381150	NM_199299	Phf15	76901	PHD finger protein 15	1.40	1.63	0.67
A_51_P378531	NA	NA	NA	NA	1.48	1.63	0.46
				PRP40 pre-mRNA processing factor 40 homolog A			
A_52_P158576	NM_018785	Prpf40a	56194	(yeast)	1.46	1.63	0.50
A_52_P168962	NM_007646	Cd38	12494	CD38 antigen	1.32	1.63	0.97
A_51_P276404	NM_009408	Top1	21969	topoisomerase (DNA) I	1.77	1.63	0.13
A_52_P243599	NM_019657	Hsd17b12	56348	hydroxysteroid (17-beta) dehydrogenase 12	1.65	1.63	0.20
A_51_P201445	NA	NA	NA	NA	1.32	1.63	0.91
A_52_P643812	NA	NA	NA	NA	1.72	1.63	0.15
A_51_P496491	NM_028031	Zdhhc13	243983	zinc finger, DHHC domain containing 13	1.61	1.63	0.24
A_52_P171160	NM_177281	D930030D	320874	RIKEN cDNA D930030D11 gene	1.30	1.63	0.97
A_52_P266899	BC059244	Exoc6b	75914	exocyst complex component 6B	1.31	1.63	0.97
A_52_P577386	NM_010531	Il18bp	16068	interleukin 18 binding protein	1.39	1.63	0.70
				ATPase, aminophospholipid transporter (APLT), class I,			
A_52_P385896	NM_001038	Atp8a1	11980	type 8A, member 1	1.35	1.63	0.82
A_51_P404779	NM_001033	Zfp217	228913	zinc finger protein 217	1.64	1.63	0.21
A_52_P178904	NM_028112	Seh1l	72124	SEH1-like (<i>S. cerevisiae</i>	1.52	1.63	0.37
				serine (or cysteine) peptidase inhibitor, clade A (alpha-1			
A_51_P472033	AK050552	Serpina10	217847	antiproteinase, antitrypsin), member 10	1.31	1.63	0.97
A_52_P403827	NM_172829	St6gal2	240119	beta galactoside alpha 2,6 sialyltransferase 2	1.51	1.63	0.40
A_52_P630493	NM_001037	Dnajb6	23950	Dnaj (Hsp40) homolog, subfamily B, member 6	1.54	1.63	0.34
				WAS protein homolog associated with actin, golgi			
A_52_P383378	NM_001004	Whamm	434204	membranes and microtubules	1.61	1.63	0.24
A_52_P324566	NM_021565	Midn	59090	midnolin	1.37	1.63	0.77
A_51_P520980	NM_028881	Crtc2	74343	CREB regulated transcription coactivator 2	1.33	1.63	0.91
A_52_P614157	NA	NA	NA	NA	1.32	1.63	0.91
A_51_P469902	XM_977926	NA	NA	NA	1.59	1.62	0.27
A_52_P635776	NM_019693	Bat1a	53817	HLA-B-associated transcript 1A	1.52	1.62	0.37

A_51_P113784	NM_134129	Prpf19	28000	PRP19/PSO4 pre-mRNA processing factor 19 homolog (<i>S. cerevisiae</i>)	1.38	1.62	0.70
A_52_P496142	NM_009932	Col4a2	12827	collagen, type IV, alpha 2	1.60	1.62	0.27
A_52_P1075615	AK079772	D18Ertd23	52492	DNA segment, Chr 18, ERATO Doi 232, expressed	1.29	1.62	1.04
A_52_P548202	AK086953	Gm10030	791282	predicted gene 10030	1.60	1.62	0.27
A_51_P417025	NM_013837	Tpst1	22021	protein-tyrosine sulfotransferase 1	1.50	1.62	0.44
A_52_P555672	NM_001029	Vrk1	22367	vaccinia related kinase 1	1.57	1.62	0.30
A_51_P239838	NA	NA	NA	NA	1.31	1.62	0.97
A_52_P99622	NM_145630	Pdk3	236900	pyruvate dehydrogenase kinase, isoenzyme 3	1.34	1.62	0.86
A_51_P220896	NM_026879	Chmp2b	68942	chromatin modifying protein 2B	1.30	1.62	1.04
A_52_P628060	NM_054043	Msi2	76626	Musashi homolog 2 (<i>Drosophila</i>)	1.49	1.62	0.44
A_51_P479758	NM_009239	Sp4	20688	trans-acting transcription factor 4	1.29	1.62	1.04
A_51_P153113	AK005653	1700003O08	75654	RIKEN cDNA 1700003O08 gene	1.48	1.62	0.46
A_52_P563908	AK038396	Prox1	19130	prospero-related homeobox 1	1.40	1.62	0.67
A_52_P380502	NM_201385	Plec	18810	plectin	1.62	1.62	0.22
A_52_P640386	NM_133857	Usp53	99526	ubiquitin specific peptidase 53	1.48	1.62	0.46
A_52_P45708	NM_016686	Vezf1	22344	vascular endothelial zinc finger 1	1.68	1.61	0.18
A_51_P491987	NM_019955	Ripk3	56532	receptor-interacting serine-threonine kinase 3	1.34	1.61	0.86
A_52_P633597	NM_181397	Rftn1	76438	raftlin lipid raft linker 1	1.52	1.61	0.37
A_51_P271614	NM_145629	Pls3	102866	plastin 3 (T-isoform)	1.58	1.61	0.28
A_51_P390522	NM_133724	Cno	117197	cappuccino	1.47	1.61	0.50
A_51_P457706	NM_175667	Ankrd5	319196	ankyrin repeat domain 5	1.35	1.61	0.82
A_51_P437176	NM_172570	Trim47	217333	tripartite motif-containing 47	1.57	1.61	0.30
A_52_P676913	NM_010817	Psmd7	17463	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	1.54	1.61	0.34
A_52_P295533	NM_145156	Slc25a28	246696	solute carrier family 25, member 28	1.59	1.61	0.27
A_51_P233982	NM_177089	Tacc1	320165	transforming, acidic coiled-coil containing protein 1	1.43	1.61	0.58
A_51_P102339	NM_001029	Vrk1	22367	vaccinia related kinase 1	1.31	1.61	0.97
A_52_P586671	NM_172518	Fbxo42	213499	F-box protein 42	1.71	1.61	0.16
A_52_P398432	NM_016918	Nudt5	53893	nudix (nucleoside diphosphate linked moiety X)-type motif 5	1.40	1.61	0.67
A_52_P6798	NM_025776	Rbm22	66810	RNA binding motif protein 22	1.30	1.61	1.04

A_52_P580608	NM_148927	Plekha4	69217	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	1.57	1.61	0.30
A_52_P220190	NM_031179	Sf3b1	81898	splicing factor 3b, subunit 1	1.72	1.61	0.15
A_52_P133594	NM_009778	C3	12266	complement component 3	1.49	1.61	0.46
A_52_P499711	NM_028099	Dusp11	72102	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)	1.39	1.61	0.70
A_51_P466886	NM_019708	Scoc	56367	short coiled-coil protein	1.37	1.61	0.77
A_51_P270904	NM_172641	9930023K0	226245	RIKEN cDNA 9930023K05 gene	1.40	1.60	0.67
A_52_P296095	AK078614	Ptprk	19272	protein tyrosine phosphatase, receptor type, K	1.79	1.60	0.11
A_51_P129012	NM_009735	B2m	12010	beta-2 microglobulin	1.31	1.60	0.97
A_51_P456248	NM_173449	4921523A11	110332	RIKEN cDNA 4921523A10 gene	1.39	1.60	0.67
A_51_P502608	NM_133784	Wwtr1	97064	WW domain containing transcription regulator 1	1.50	1.60	0.44
A_52_P653276	NM_007615	Ctnnd1	12388	catenin (cadherin associated protein), delta 1	1.52	1.60	0.37
A_52_P168319	NM_177321	Mia2	338320	melanoma inhibitory activity 2	1.40	1.60	0.67
A_52_P217172	AK132230	Esf1	66580	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	1.30	1.60	0.97
A_52_P1155474	NM_027927	Ints12	71793	integrator complex subunit 12	1.43	1.60	0.58
A_51_P336385	NM_175551	Dido1	23856	death inducer-obliterator 1	1.52	1.60	0.40
A_52_P249826	NM_020259	Hhip	15245	Hedgehog-interacting protein	1.35	1.60	0.82
A_52_P598259	NM_001003	Rab3ip	216363	RAB3A interacting protein	1.50	1.60	0.44
A_51_P443364	NM_134048	Cbll1	104836	Casitas B-lineage lymphoma-like 1	1.45	1.60	0.55
A_52_P193301	NM_025519	Chmp4c	66371	chromatin modifying protein 4C	1.50	1.60	0.44
A_52_P668984	XM_001003	NA	NA	NA	1.35	1.60	0.82
A_51_P436796	NM_016784	Plrg1	53317	pleiotropic regulator 1, PRL1 homolog (Arabidopsis)	1.30	1.60	1.04
A_51_P330630	NM_144937	Usp3	235441	ubiquitin specific peptidase 3	1.50	1.60	0.44
A_51_P129006	NM_009735	B2m	12010	beta-2 microglobulin	1.29	1.60	1.04
A_51_P259181	NM_026849	Mtmr14	97287	myotubularin related protein 14	1.35	1.60	0.82
A_51_P290074	NM_021272	Fabp7	12140	fatty acid binding protein 7, brain	1.39	1.60	0.70
A_52_P260114	NM_007611	Casp7	12369	caspase 7	1.30	1.60	1.04
A_52_P289256	XM_139711	Arid1b	239985	AT rich interactive domain 1B (SWI-like)	1.42	1.60	0.61
A_51_P184928	NM_028968	Ifitm7	74482	interferon induced transmembrane protein 7	1.34	1.60	0.86
A_52_P361993	NM_173181	Fam164a	67306	family with sequence similarity 164, member A	1.58	1.59	0.28
A_51_P270206	NM_029852	Ccdc41	77048	coiled-coil domain containing 41	1.44	1.59	0.55

A_52_P229709	NM_025356	Ube2d3	66105	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	1.34	1.59	0.86
A_52_P349521	AK047447	NA	NA	NA	1.33	1.59	0.91
A_52_P82722	NM_009988	Cxadr	13052	coxsackie virus and adenovirus receptor	1.35	1.59	0.82
A_52_P84302	AK132230	Esf1	66580	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	1.37	1.59	0.77
A_51_P179131	AK157021	Vasp	22323	vasodilator-stimulated phosphoprotein	1.36	1.59	0.77
A_52_P207278	NM_011962	Plod3	26433	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	1.47	1.59	0.50
A_51_P211131	NM_134000	Traf3ip2	103213	TRAF3 interacting protein 2	1.41	1.59	0.61
A_51_P451335	NM_008867	Pla2r1	18779	phospholipase A2 receptor 1	1.31	1.59	0.97
A_51_P473498	NM_173398	Gpr171	229323	G protein-coupled receptor 171	1.35	1.59	0.82
A_52_P337821	AK139584	Eif1a	13664	eukaryotic translation initiation factor 1A	1.38	1.59	0.70
A_52_P471967	NM_178726	Ppm1l	242083	protein phosphatase 1 (formerly 2C)-like	1.35	1.59	0.82
A_51_P510466	NM_019788	Pldn	18457	pallidin	1.33	1.59	0.91
A_51_P419246	AK158034	5830416P1	381232	RIKEN cDNA 5830416P10 gene	1.54	1.59	0.34
A_51_P207693	NM_172737	Shisa7	232813	shisa homolog 7 (Xenopus laevis)	1.60	1.59	0.27
A_51_P186281	NM_008000	Fert2	14158	fer (fms/fps related) protein kinase, testis specific 2	1.50	1.58	0.44
A_51_P412955	AK044842	Plcb4	18798	phospholipase C, beta 4	1.38	1.58	0.70
A_51_P138450	NM_008122	Gjc1	14615	gap junction protein, gamma 1	1.36	1.58	0.77
A_52_P505413	NM_023663	Ripk4	72388	receptor-interacting serine-threonine kinase 4	1.35	1.58	0.82
A_51_P350073	NM_023668	Ndel1	83431	nuclear distribution gene E-like homolog 1 (A. nidulans)	1.58	1.58	0.28
A_51_P210611	NM_133718	Tmem30a	69981	transmembrane protein 30A	1.30	1.58	0.97
A_52_P365434	BC051182	D5Ertd579c	320661	DNA segment, Chr 5, ERATO Doi 579, expressed	1.51	1.58	0.40
A_51_P320888	NM_001033	Cln5	211286	ceroid-lipofuscinosis, neuronal 5	1.61	1.58	0.24
A_52_P450236	NM_172713	Sdad1	231452	SDA1 domain containing 1	1.40	1.58	0.67
A_52_P734595	NM_009615	Adam17	11491	a disintegrin and metallopeptidase domain 17	1.37	1.58	0.77
A_52_P134639	NM_009444	Tgoln2	22135	trans-golgi network protein 2	1.48	1.58	0.46
A_51_P110529	NM_008882	Plxna2	18845	plexin A2	1.42	1.58	0.58
A_51_P161086	NM_008908	Ppic	19038	peptidylprolyl isomerase C	1.36	1.58	0.77
A_51_P397003	XM_133990	NA	NA	NA	1.37	1.58	0.77
A_52_P132055	NM_021293	Cd33	12489	CD33 antigen	1.31	1.58	0.97

A_52_P177685	NM_018821	Socs6	54607	suppressor of cytokine signaling 6	1.39	1.58	0.67
A_51_P221109	AI835779	NA	NA	NA	1.34	1.58	0.86
A_51_P117439	NM_011847	Dnajb6	23950	Dnaj (Hsp40) homolog, subfamily B, member 6	1.45	1.57	0.53
A_51_P404815	AK010208	Apol6	71939	apolipoprotein L 6	1.61	1.57	0.24
A_52_P165575	NM_146622	Olfir360	258615	olfactory receptor 360	1.48	1.57	0.46
A_51_P489192	NM_015784	Postn	50706	periostin, osteoblast specific factor	1.29	1.57	1.04
A_52_P1093503	NM_206973	Gpr152	269053	G protein-coupled receptor 152	1.42	1.57	0.61
A_51_P500713	NM_007832	Dck	13178	deoxycytidine kinase	1.45	1.57	0.53
A_51_P376623	XM_0010011	Trip11	109181	thyroid hormone receptor interactor 11	1.45	1.57	0.53
A_51_P369636	NM_026115	Hat1	107435	histone aminotransferase 1	1.44	1.57	0.55
A_52_P170339	NM_010898	Nf2	18016	neurofibromatosis 2	1.45	1.57	0.55
A_52_P679273	AK036632	2310001H176432		RIKEN cDNA 2310001H17 gene	1.53	1.57	0.37
A_52_P109010	XM_0010014	NA	NA	NA	1.67	1.57	0.20
A_51_P187491	NM_053087	Epgn	71920	epithelial mitogen	1.54	1.57	0.34
A_51_P148355	NM_175433	Zfp710	209225	zinc finger protein 710	1.74	1.57	0.15
A_52_P662695	NM_025507	Snw1	66354	SNW domain containing 1	1.65	1.57	0.20
A_51_P204486	NM_028807	1200009I0674190		RIKEN cDNA 1200009I06 gene	1.30	1.57	1.04
A_52_P601055	AK129139	Mtss1	211401	metastasis suppressor 1	1.40	1.57	0.67
A_52_P190286	XM_0010062	NA	NA	NA	1.50	1.57	0.44
A_52_P477649	AK158055	1810058I267705		RIKEN cDNA 1810058I24 gene	1.45	1.57	0.53
A_52_P406216	NA	NA	NA	NA	1.54	1.57	0.34
A_51_P122521	NM_016714	Nup50	18141	nucleoporin 50	1.40	1.57	0.67
A_51_P516097	AK147204	Cyld	74256	cylindromatosis (turban tumor syndrome)	1.46	1.57	0.53
A_51_P277389	NM_020494	Ddx24	27225	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	1.64	1.57	0.21
A_51_P512061	BC085280	1600015I1069761		RIKEN cDNA 1600015I10 gene	1.51	1.57	0.40
A_51_P474454	NM_026001	Rnaseh2b	67153	ribonuclease H2, subunit B	1.52	1.57	0.37
A_51_P376883	NM_029601	1700019E176411		RIKEN cDNA 1700019E19 gene	1.31	1.57	0.97
A_51_P194070	NM_013626	Pam	18484	peptidylglycine alpha-amidating monooxygenase TAF5 RNA polymerase II, TATA box binding protein (TBP)- associated factor	1.34	1.56	0.86
A_52_P272915	NM_177342	Taf5	226182		1.33	1.56	0.91
A_52_P445622	NM_025921	2610002M067028		RIKEN cDNA 2610002M06 gene	1.41	1.56	0.61
A_52_P298053	AK038653	NA	NA	NA	1.32	1.56	0.91
A_51_P486479	NM_024456	Rab5c	19345	RAB5C, member RAS oncogene family	1.32	1.56	0.91

A_51_P133936	NM_013598	Kitl	17311	kit ligand	1.55	1.56	0.33
A_51_P138939	NM_028783	Robo4	74144	roundabout homolog 4 (Drosophila)	1.41	1.56	0.67
A_51_P356762	NM_008565	Mcm4	17217	minichromosome maintenance deficient 4 homolog (S. cerevisiae)	1.35	1.56	0.82
A_51_P432403	NM_010207	Fgfr2	14183	fibroblast growth factor receptor 2	1.47	1.56	0.50
A_52_P309418	BC056481	NA	NA	NA	1.53	1.56	0.37
A_51_P384967	M29244	NA	NA	NA	1.51	1.56	0.40
A_51_P132625	NM_053262	Hsd17b11	114664	hydroxysteroid (17-beta) dehydrogenase 11	1.49	1.56	0.46
A_51_P406315	NM_009962	Gpr44	14764	G protein-coupled receptor 44	1.53	1.56	0.37
A_52_P490770	AK141740	Zfp26	22688	zinc finger protein 26	1.59	1.56	0.28
A_52_P370560	NM_011690	Vars	22321	valyl-tRNA synthetase	1.67	1.56	0.20
A_51_P249494	NM_016807	Sdcbp	53378	syndecan binding protein non imprinted in Prader-Willi/Angelman syndrome 2	1.44	1.56	0.55
A_51_P197354	NM_023647	Nipa2	93790	homolog (human)	1.42	1.56	0.58
A_52_P537941	NM_080857	Asb13	142688	ankyrin repeat and SOCS box-containing 13	1.57	1.55	0.30
A_52_P3276	NM_027519	633040611	70717	RIKEN cDNA 6330406115 gene	1.62	1.55	0.24
A_52_P615274	NM_026001	Rnaseh2b	67153	ribonuclease H2, subunit B	1.48	1.55	0.46
A_51_P513959	NA	NA	NA	NA	1.51	1.55	0.40
A_52_P107234	NM_177806	Prpf39	328110	PRP39 pre-mRNA processing factor 39 homolog (yeast)	1.48	1.55	0.46
A_51_P473043	NM_025800	Ppp1r2	66849	protein phosphatase 1, regulatory (inhibitor) subunit 2	1.48	1.55	0.46
A_52_P600038	NM_146128	Dlgap4	228836	discs, large homolog-associated protein 4 (Drosophila)	1.56	1.55	0.30
A_51_P281078	NA	NA	NA	NA	1.45	1.55	0.53
A_52_P245911	NA	NA	NA	NA	1.30	1.55	0.97
A_52_P558713	AK050582	Mat2a	232087	methionine adenosyltransferase II, alpha	1.51	1.55	0.40
A_51_P520794	NM_170591	Nupl1	71844	nucleoporin like 1	1.46	1.55	0.53
A_51_P262701	NM_019775	Cpb2	56373	carboxypeptidase B2 (plasma)	1.38	1.55	0.70
A_51_P469008	NM_010119	Ehd1	13660	EH-domain containing 1	1.36	1.55	0.77
A_52_P474002	NM_178357	Klf11	194655	Kruppel-like factor 11	1.46	1.55	0.53
A_52_P244030	AK034874	Zfp516	329003	zinc finger protein 516	1.54	1.55	0.34
A_51_P343429	NM_026331	Slc25a37	67712	solute carrier family 25, member 37	1.40	1.55	0.67
A_51_P489289	BC094937	Rhoh	74734	ras homolog gene family, member H	1.38	1.55	0.70

A_52_P598128	NM_018886	Lgals8	56048	lectin, galactose binding, soluble 8	1.50	1.55	0.44
A_51_P263220	NM_177342	Taf5	226182	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor	1.36	1.55	0.77
A_52_P288750	NM_001025	Gm527	217648	predicted gene 527	1.35	1.55	0.82
A_51_P274436	NM_011485	Star	20845	steroidogenic acute regulatory protein	1.44	1.55	0.55
A_51_P177819	NM_030743	Rnf114	81018	ring finger protein 114	1.70	1.55	0.16
A_52_P537140	AK047235	Zdhhc24	70605	zinc finger, DHHC domain containing 24	1.45	1.55	0.53
A_52_P471583	NM_199068	Foxk1	17425	forkhead box K1	1.67	1.55	0.18
A_52_P395397	NM_146217	Aars	234734	alanyl-tRNA synthetase	1.43	1.55	0.58
A_51_P233059	NM_008477	Ktn1	16709	kinectin 1	1.39	1.55	0.70
A_51_P214859	NM_133915	Pxn	19303	paxillin	1.36	1.55	0.82
A_52_P272534	NA	NA	NA	NA	1.42	1.55	0.61
A_52_P337050	NM_009615	Adam17	11491	a disintegrin and metallopeptidase domain 17	1.42	1.55	0.61
A_51_P479598	NM_173863	Crtc3	70461	CREB regulated transcription coactivator 3	1.41	1.54	0.61
A_51_P175146	NM_027769	Cpne3	70568	copine III	1.40	1.54	0.67
A_52_P301724	AK164753	Nab1	17936	Ngfi-A binding protein 1	1.36	1.54	0.82
A_52_P117999	NM_001040	2810407C0	69227	RIKEN cDNA 2810407C02 gene	1.45	1.54	0.55
A_52_P244162	BC031445	Golph3	66629	golgi phosphoprotein 3	1.45	1.54	0.53
A_52_P305041	NM_027045	Gcap14	72972	granule cell antiserum positive 14	1.32	1.54	0.91
A_52_P661470	NA	NA	NA	NA	1.44	1.54	0.55
A_52_P150525	NA	NA	NA	NA	1.32	1.53	0.91
A_52_P558939	NM_178690	Rab3gap1	226407	RAB3 GTPase activating protein subunit 1	1.38	1.53	0.70
A_51_P461138	NM_016861	Pdlim1	54132	PDZ and LIM domain 1 (elfin)	1.31	1.53	0.97
A_52_P76829	NM_010434	Hipk3	15259	homeodomain interacting protein kinase 3	1.43	1.53	0.58
A_52_P491766	NM_008136	Gnal1	14670	guanine nucleotide binding protein-like 1	1.32	1.53	0.91
A_52_P354744	NM_011401	Slc2a3	20527	solute carrier family 2 (facilitated glucose transporter), member 3	1.43	1.53	0.58
A_51_P308796	NM_010235	Fosl1	14283	fos-like antigen 1	1.55	1.53	0.33
A_52_P43150	NM_007519	Baat	12012	bile acid-Coenzyme A: amino acid N-acyltransferase	1.32	1.53	0.91
A_52_P655285	AK046016	Zfp462	242466	zinc finger protein 462	1.44	1.53	0.55
A_52_P136275	NM_054089	Tgs1	116940	trimethylguanosine synthase homolog (S. cerevisiae)	1.32	1.53	0.97
A_51_P154222	NM_053092	Kars	85305	lysyl-tRNA synthetase	1.31	1.53	0.97

			regulator of chromosome condensation (RCC1) and BTB				
A_52_P444637	NM_134083	Rcbtb2	105670	(POZ) domain containing protein 2	1.32	1.53	0.91
A_52_P436643	NM_018830	Asah2	54447	N-acylsphingosine amidohydrolase 2	1.47	1.53	0.50
A_52_P545512	AK086995	NA	NA	NA	1.29	1.53	1.04
A_52_P249424	NM_001025	Vegfa	22339	vascular endothelial growth factor A	1.39	1.53	0.70
A_52_P614629	BC085235	Hbs1l	56422	Hbs1-like (<i>S. cerevisiae</i>) PRP40 pre-mRNA processing factor 40 homolog A	1.40	1.53	0.67
A_51_P193446	NM_018785	Prpf40a	56194	(yeast)	1.46	1.52	0.53
A_51_P363657	NM_028800	Stk40	74178	serine/threonine kinase 40	1.30	1.52	1.04
A_51_P408881	NM_019808	Pdlim5	56376	PDZ and LIM domain 5	1.55	1.52	0.33
A_51_P316575	XM_127501	NA	NA	NA	1.36	1.52	0.77
A_52_P650540	NM_145827	Nlrp3	216799	NLR family, pyrin domain containing 3	1.46	1.52	0.53
A_51_P354698	NM_030238	Dync1h1	13424	dynein cytoplasmic 1 heavy chain 1	1.49	1.52	0.44
A_51_P136277	NM_027874	Csnk1d	104318	casein kinase 1, delta	1.41	1.52	0.61
A_51_P451606	NM_011448	Sox9	20682	SRY-box containing gene 9	1.37	1.52	0.77
A_52_P23212	NM_009637	Aebp2	11569	AE binding protein 2	1.32	1.52	0.91
A_51_P380881	NM_033609	Med15	94112	mediator complex subunit 15	1.35	1.52	0.82
A_51_P222153	NM_009419	Tpst2	22022	protein-tyrosine sulfotransferase 2	1.56	1.52	0.30
A_52_P604849	NM_013884	Cspg5	29873	chondroitin sulfate proteoglycan 5	1.43	1.52	0.58
A_52_P43848	NM_001040	Sco1	52892	SCO cytochrome oxidase deficient homolog 1 (yeast)	1.32	1.52	0.91
A_52_P138806	NM_198618	Dlgap3	242667	discs, large (<i>Drosophila</i>) homolog-associated protein 3	1.32	1.52	0.91
A_51_P389929	NM_008693	Klk1b3	18050	kallikrein 1-related peptidase b3	1.36	1.52	0.77
A_51_P442788	NM_080419	Igsf8	140559	immunoglobulin superfamily, member 8	1.34	1.52	0.86
A_52_P344978	XR_003344	NA	NA	NA	1.29	1.52	1.04
A_51_P126835	NM_001025	2700007P2	212772	RIKEN cDNA 2700007P21 gene	1.49	1.52	0.46
A_52_P499206	NM_013763	Tbl2	27368	transducin (beta)-like 2	1.43	1.52	0.58
A_52_P1116825	BU519104	NA	NA	NA	1.39	1.51	0.70
A_51_P488730	NM_175480	Zfp612	234725	zinc finger protein 612 par-6 partitioning defective 6 homolog gamma (<i>C.</i>	1.29	1.51	1.04
A_51_P425657	NM_053117	Pard6g	93737	<i>elegans</i>)	1.36	1.51	0.77
A_51_P163079	NM_133735	Ptcd1	71799	pentatricopeptide repeat domain 1	1.51	1.51	0.40
A_51_P456499	NM_029422	Tm7sf4	75766	transmembrane 7 superfamily member 4	1.32	1.51	0.91

A_51_P369106	NM_024436	Rab22a	19334	RAB22A, member RAS oncogene family	1.38	1.51	0.70
A_51_P265137	NM_013685	Tcf4	21413	transcription factor 4	1.55	1.51	0.33
A_51_P276652	NM_029397	Rbm12	75710	RNA binding motif protein 12	1.34	1.50	0.86
A_52_P335609	NM_198004	5133401N09	75731	RIKEN cDNA 5133401N09 gene	1.42	1.50	0.61
A_51_P320539	NM_001013	Fam105b	432940	family with sequence similarity 105, member B	1.42	1.50	0.61
A_52_P492856	NM_175836	Spnb2	20742	spectrin beta 2	1.31	1.50	0.97
A_51_P106868	NM_013901	Slc39a1	30791	solute carrier family 39 (zinc transporter), member 1	1.31	1.50	0.97
A_52_P658644	NM_173753	Fnip1	216742	folliculin interacting protein 1	1.32	1.50	0.97
A_51_P150302	NM_019465	Crtam	54698	cytotoxic and regulatory T cell molecule	1.40	1.50	0.67
A_51_P115085	NM_175749	Nup153	218210	nucleoporin 153	1.47	1.50	0.50
A_52_P339606	NM_175833	Cdv3	321022	carnitine deficiency-associated gene expressed in ventricle 3	1.53	1.50	0.37
A_51_P271725	NM_028058	Fundc1	72018	FUN14 domain containing 1	1.34	1.50	0.86
A_52_P664467	NM_148673	Slu7	193116	SLU7 splicing factor homolog (<i>S. cerevisiae</i>)	1.36	1.50	0.82
A_51_P198410	U07617	Grb2	14784	growth factor receptor bound protein 2	1.61	1.49	0.24
A_52_P659258	BC023841	Ppat	231327	phosphoribosyl pyrophosphate amidotransferase	1.32	1.49	0.91
A_51_P308681	AK018089	Ccdc90a	76137	coiled-coil domain containing 90A	1.37	1.49	0.77
A_52_P450881	NM_024196	Tbc1d20	67231	TBC1 domain family, member 20	1.31	1.49	0.97
A_52_P71869	NM_201389	Plec	18810	plectin	1.56	1.49	0.30
A_52_P421005	AK028828	Taf2	319944	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor	1.43	1.48	0.58
A_52_P441417	NA	NA	NA	NA	1.34	1.48	0.86
A_52_P659861	NM_001025	Bclaf1	72567	BCL2-associated transcription factor 1	1.39	1.48	0.67
A_52_P99430	NM_028243	Prcp	72461	prolylcarboxypeptidase (angiotensinase C)	1.34	1.48	0.86
A_51_P493117	NM_025807	Slc16a9	66859	solute carrier family 16 (monocarboxylic acid transporters), member 9	1.33	1.48	0.91
A_52_P250517	NM_011743	Zfp106	20402	zinc finger protein 106	1.49	1.48	0.44
A_52_P366772	NM_173735	2310044G1217732		RIKEN cDNA 2310044G17 gene	1.37	1.48	0.77
A_51_P442746	AK033699	Lgr4	107515	leucine-rich repeat-containing G protein-coupled receptor 4	1.35	1.48	0.82
A_52_P582969	BC050841	Nfkb1	18033	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105	1.38	1.48	0.70

A_52_P253015	AK163954	Erap1	80898	endoplasmic reticulum aminopeptidase 1	1.52	1.48	0.40
A_51_P167237	NM_009806	Cask	12361	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	1.41	1.48	0.61
A_51_P358462	NM_133689	4930579J0	67752	RIKEN cDNA 4930579J09 gene	1.42	1.48	0.61
A_52_P437363	NM_027892	Ppp1r12a	17931	protein phosphatase 1, regulatory (inhibitor) subunit 12A	1.31	1.48	0.97
A_52_P84315	BC034239	Chd7	320790	chromodomain helicase DNA binding protein 7	1.42	1.47	0.58
A_52_P73703	NM_153082	Dnajc27	217378	Dnaj (Hsp40) homolog, subfamily C, member 27	1.46	1.47	0.50
A_52_P394652	NM_011445	Sox6	20679	SRY-box containing gene 6	1.39	1.47	0.70
A_52_P139727	NM_009716	Atf4	11911	activating transcription factor 4	1.33	1.47	0.86
A_51_P207550	NM_023196	Pla2g12a	66350	phospholipase A2, group XIIA	1.30	1.47	1.04
A_52_P91329	NM_025666	Ubr7	66622	ubiquitin protein ligase E3 component n-recognin 7 (putative)	1.36	1.47	0.82
A_51_P132549	NM_134125	Trip10	106628	thyroid hormone receptor interactor 10	1.48	1.47	0.50
A_52_P116372	NM_133819	Ppp1r15b	108954	protein phosphatase 1, regulatory (inhibitor) subunit 15b	1.38	1.46	0.70
A_51_P482552	NM_001025	Vegfa	22339	vascular endothelial growth factor A	1.38	1.46	0.70
A_52_P85864	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	1.37	1.46	0.77
A_51_P325592	NM_025555	2410004B1	66421	RIKEN cDNA 2410004B18 gene	1.34	1.46	0.86
A_51_P380153	BC057625	Ubr4	69116	ubiquitin protein ligase E3 component n-recognin 4	1.37	1.46	0.77
A_52_P686344	NM_001014	Ttll4	67534	tubulin tyrosine ligase-like family, member 4	1.36	1.45	0.77
A_52_P13568	NM_026341	Nudt13	67725	nudix (nucleoside diphosphate linked moiety X)-type motif 13	1.44	1.45	0.55
A_51_P361099	NM_007422	Adss	11566	adenylosuccinate synthetase, non muscle	1.38	1.45	0.70
A_52_P422841	NM_028872	5730559C1	67313	RIKEN cDNA 5730559C18 gene	1.42	1.45	0.61
A_52_P794346	NA	NA	NA	NA	1.31	1.45	0.97
A_52_P590192	NM_177330	Ghr	208188	growth hormone secretagogue receptor	1.49	1.45	0.44
A_51_P100787	AX775977	Snw1	66354	SNW domain containing 1	1.47	1.45	0.50
A_52_P212887	NM_182939	Ppp4r2	232314	protein phosphatase 4, regulatory subunit 2	1.31	1.44	0.97
A_51_P452003	NM_027497	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	1.51	1.44	0.40
A_52_P126146	NM_024242	Riok1	71340	RIO kinase 1 (yeast)	1.34	1.44	0.86
A_52_P569218	NM_011682	Utrn	22288	utrophin	1.38	1.43	0.70
A_52_P427332	NM_010166	Eya3	14050	eyes absent 3 homolog (Drosophila)	1.32	1.43	0.91

A_52_P931190	XM_978218	NA	NA	NA	1.31	1.42	0.97
A_52_P229471	NA	NA	NA	NA	1.30	1.42	1.04
A_52_P66313	NM_212446	Psmf1	228769	proteasome (prosome, macropain) inhibitor subunit 1	1.29	1.42	1.04
A_51_P385258	AF197127	Miox	56727	myo-inositol oxygenase	1.34	1.42	0.86
A_51_P357858	NM_016676	Rab10	19325	RAB10, member RAS oncogene family	1.30	1.40	1.04
A_51_P241552	NM_001039	Wdr37	207615	WD repeat domain 37	1.30	1.40	0.97
A_52_P491616	AK053892	Nos1ap	70729	nitric oxide synthase 1 (neuronal) adaptor protein	1.30	1.40	1.04
A_51_P300337	NM_007792	Csrp2	13008	cysteine and glycine-rich protein 2	1.35	1.39	0.82
A_51_P264666	NM_009926	Col11a2	12815	collagen, type XI, alpha 2	1.35	1.39	0.82
A_51_P170619	NM_028041	Ddx54	71990	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	-1.13	0.77	0.82
A_51_P276599	NM_133886	AU040320	100317	expressed sequence AU040320	-1.10	0.77	0.91
A_52_P529013	NM_146169	Paip2b	232164	poly(A) binding protein interacting protein 2B	-1.11	0.77	0.91
A_52_P146043	NM_009333	Tcf7l2	21416	transcription factor 7-like 2, T-cell specific, HMG-box	-1.08	0.77	1.04
A_52_P428721	AK122317	Jmjd6	107817	jumonji domain containing 6	-1.08	0.76	1.04
A_51_P519276	NM_025843	Ndufb7	66916	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7	-1.07	0.76	1.04
A_52_P632084	NM_173185	Csnk1g1	214897	casein kinase 1, gamma 1	-1.13	0.76	0.86
A_52_P145066	NM_028024	Nkiras2	71966	NFKB inhibitor interacting Ras-like protein 2	-1.11	0.76	0.91
A_52_P421918	AK050769	Helq	191578	helicase, POLQ-like	-1.10	0.76	0.91
A_51_P142091	NM_030121	Asb8	78541	ankyrin repeat and SOCS box-containing 8	-1.11	0.76	0.91
A_51_P431316	NM_025773	Ube2w	66799	ubiquitin-conjugating enzyme E2W (putative)	-1.09	0.76	0.97
A_52_P114620	NM_172760	Elmo3	234683	engulfment and cell motility 3, ced-12 homolog (C. elegans)	-1.10	0.76	0.91
A_51_P392147	NM_026156	Xab2	67439	XPA binding protein 2	-1.10	0.75	0.97
A_51_P333630	BB204267	Atl1	73991	atlastin GTPase 1	-1.12	0.75	0.86
A_52_P612993	AK144813	Tbrg4	21379	transforming growth factor beta regulated gene 4	-1.07	0.75	1.04
A_51_P349262	NM_013604	Mtx1	17827	metaxin 1	-1.10	0.75	0.91
A_51_P421950	NM_019537	Psmg1	56088	proteasome (prosome, macropain) assembly chaperone 1	-1.11	0.75	0.91
A_51_P353592	NM_025417	Commd4	66199	COMM domain containing 4	-1.09	0.75	0.97
A_52_P309890	NM_001033	NA	NA	NA	-1.07	0.75	1.04

A_52_P1068723	XM_901449	NA	NA	NA	-1.16	0.75	0.77
A_52_P118792	AK047244	NA	NA	NA	-1.08	0.75	1.04
A_52_P72378	NM_011590	Timm17a	21854	translocase of inner mitochondrial membrane 17a	-1.13	0.75	0.86
A_52_P141749	BC007477	Mynn	80732	myoneurin	-1.10	0.75	0.91
A_52_P580017	NM_009353	Terf2	21750	telomeric repeat binding factor 2	-1.14	0.75	0.82
A_51_P401958	NM_011528	Taldo1	21351	transaldolase 1	-1.12	0.75	0.86
A_51_P175771	NM_022009	Flii	14248	flightless I homolog (Drosophila)	-1.07	0.75	1.04
A_51_P104162	AK053379	Gfod1	328232	glucose-fructose oxidoreductase domain containing 1 membrane bound O-acyltransferase domain containing	-1.18	0.75	0.67
A_51_P144868	NM_029934	Mboat7	77582	7	-1.13	0.75	0.86
A_52_P414718	NM_026474	Sugt1	67955	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	-1.18	0.75	0.70
A_52_P408220	AK034290	9330174C1	320682	RIKEN cDNA 9330174C13 gene mediator of RNA polymerase II transcription, subunit 4	-1.07	0.75	1.04
A_51_P373369	NM_026119	Med4	67381	homolog (yeast)	-1.17	0.75	0.70
A_52_P153712	AK037264	Polr3g	67486	polymerase (RNA) III (DNA directed) polypeptide G	-1.13	0.75	0.82
A_51_P514647	NM_026420	Paip2	67869	polyadenylate-binding protein-interacting protein 2	-1.15	0.75	0.82
A_52_P160896	BC026950	Kynu	70789	kynureninase (L-kynurenine hydrolase)	-1.09	0.75	0.97
A_51_P473907	NM_008443	Kif3a	16568	kinesin family member 3A 5-methyltetrahydrofolate-homocysteine	-1.12	0.75	0.86
A_51_P318371	NM_172480	Mtrr	210009	methyltransferase reductase	-1.13	0.75	0.86
A_52_P330997	NA	NA	NA	NA	-1.07	0.75	1.04
A_51_P390260	NM_026444	Cs	12974	citrate synthase serine (or cysteine) peptidase inhibitor, clade F,	-1.19	0.74	0.67
A_51_P517075	NM_011340	Serpinf1	20317	member 1	-1.08	0.74	1.04
A_51_P342271	NM_001035	Setd6	66083	SET domain containing 6	-1.22	0.74	0.58
A_52_P517621	AK029960	Cep290	216274	centrosomal protein 290	-1.07	0.74	1.04
A_51_P224362	NM_198111	Akap6	238161	A kinase (PRKA) anchor protein 6	-1.08	0.74	1.04
A_51_P179894	NM_001033	Rfx7	319758	regulatory factor X, 7	-1.09	0.74	0.97
A_52_P185485	NM_026552	Arpc4	68089	actin related protein 2/3 complex, subunit 4	-1.08	0.74	1.04

A_52_P57296	AK028783	Ptpn14	19250	protein tyrosine phosphatase, non-receptor type 14	-1.08	0.74	1.04
A_51_P414706	NM_010027	Ddt	13202	D-dopachrome tautomerase	-1.07	0.74	1.04
A_52_P116134	NM_009656	Aldh2	11669	aldehyde dehydrogenase 2, mitochondrial	-1.14	0.74	0.82
A_52_P139016	NM_028718	Traf3ip1	74019	TRAF3 interacting protein 1	-1.13	0.74	0.86
A_51_P251325	NM_013895	Timm13	30055	translocase of inner mitochondrial membrane 13 homolog (yeast)	-1.19	0.74	0.67
A_52_P360595	BC048783	Eps15	13858	epidermal growth factor receptor pathway substrate 15	-1.21	0.74	0.61
A_52_P429320	NM_026033	Gatad1	67210	GATA zinc finger domain containing 1	-1.11	0.74	0.91
A_51_P217094	XM_620495	Saal1	78935	serum amyloid A-like 1	-1.21	0.74	0.61
A_51_P355172	AK004585	Gm7008	629820	predicted gene 7008	-1.10	0.74	0.97
A_52_P483768	NM_178896	Dcun1d4	100737	DCN1, defective in cullin neddylation 1, domain containing 4 (<i>S. cerevisiae</i>)	-1.13	0.74	0.86
A_51_P104456	NM_022889	Pes1	64934	pescadillo homolog 1, containing BRCT domain (zebrafish)	-1.10	0.74	0.91
A_52_P356228	AK076463	4833412L0	108861	RIKEN cDNA 4833412L08 gene	-1.07	0.74	1.04
A_51_P499871	NM_010333	S1pr2	14739	sphingosine-1-phosphate receptor 2	-1.07	0.74	1.04
A_51_P459240	AK002661	Gstk1	76263	glutathione S-transferase kappa 1	-1.14	0.74	0.82
A_52_P362670	NM_009614	Adam15	11490	a disintegrin and metalloproteinase domain 15 (metargidin)	-1.07	0.74	1.04
A_51_P448489	NM_010787	Mea1	17256	male enhanced antigen 1	-1.18	0.74	0.70
A_51_P230267	NM_010391	H2-Q10	15007	histocompatibility 2, Q region locus 10	-1.09	0.74	0.97
A_52_P294605	XM_896388	NA	NA	NA	-1.10	0.74	0.91
A_51_P403536	NM_175641	Ltbp4	108075	latent transforming growth factor beta binding protein 4	-1.14	0.74	0.82
A_51_P439626	NM_023138	Map2k2	26396	mitogen-activated protein kinase kinase 2	-1.08	0.74	1.04
A_51_P481788	NM_011949	Mapk1	26413	mitogen-activated protein kinase 1	-1.08	0.74	1.04
A_52_P211223	NM_175384	Cdca2	108912	cell division cycle associated 2	-1.17	0.74	0.77
A_52_P418644	NM_019755	Plp2	18824	proteolipid protein 2	-1.07	0.74	1.04
A_51_P102503	NM_175224	Metap1	75624	methionyl aminopeptidase 1	-1.19	0.74	0.67
A_52_P515247	NM_007486	Arhgdib	11857	Rho, GDP dissociation inhibitor (GDI) beta	-1.24	0.74	0.55
A_52_P292684	NM_175399	Exosc4	109075	exosome component 4	-1.16	0.74	0.77
A_51_P365964	NM_144884	Tor1a	30931	torsin family 1, member A (torsin A)	-1.15	0.74	0.77

A_51_P397823	NM_026305	Tceb2	67673	transcription elongation factor B (SIII), polypeptide 2 eukaryotic elongation factor, selenocysteine-tRNA-	-1.14	0.74	0.82
A_51_P340402	NM_023060	Eefsec	65967	specific	-1.09	0.74	0.97
A_52_P170407	NA	NA	NA	NA	-1.12	0.74	0.86
A_51_P257743	NM_176835	Dnajc22	72778	Dnaj (Hsp40) homolog, subfamily C, member 22	-1.15	0.74	0.77
A_52_P416584	AK051206	Dars	226414	aspartyl-tRNA synthetase	-1.16	0.74	0.77
A_52_P365466	NM_177568	Plcb2	18796	phospholipase C, beta 2	-1.08	0.74	1.04
A_52_P57308	AK129225	Cand1	71902	cullin associated and neddylation disassociated 1	-1.20	0.74	0.61
A_51_P443393	NM_134150	Otub1	107260	OTU domain, ubiquitin aldehyde binding 1	-1.13	0.74	0.86
A_51_P396818	NM_025577	281042811!	66462	RIKEN cDNA 2810428115 gene	-1.09	0.74	0.97
A_52_P589065	NM_019709	Mbtps1	56453	membrane-bound transcription factor peptidase, site 1	-1.08	0.74	1.04
A_51_P457054	NM_172990	Pank4	269614	pantothenate kinase 4	-1.24	0.74	0.55
A_51_P489736	BC094370	Tmem194b	227094	transmembrane protein 194B	-1.23	0.74	0.58
A_52_P917365	AV141866	NA	NA	NA	-1.11	0.73	0.91
A_52_P307394	NM_011322	Scn1b	20266	sodium channel, voltage-gated, type I, beta	-1.18	0.73	0.70
A_51_P453909	NM_007817	Cyp2f2	13107	cytochrome P450, family 2, subfamily f, polypeptide 2	-1.12	0.73	0.86
A_52_P988461	AK082583	NA	NA	NA	-1.16	0.73	0.77
A_51_P161463	NM_028492	Ccdc103	73293	coiled-coil domain containing 103	-1.12	0.73	0.86
A_51_P459320	NM_019832	Gkap1	56278	G kinase anchoring protein 1	-1.15	0.73	0.77
A_52_P612813	BC070467	Map2k7	26400	mitogen-activated protein kinase kinase 7	-1.16	0.73	0.77
A_51_P332559	NM_001029!	Safb2	224902	scaffold attachment factor B2	-1.12	0.73	0.86
A_52_P635984	NM_001038!	Anapc11	66156	anaphase promoting complex subunit 11	-1.14	0.73	0.82
A_52_P558631	AK153648	6720456H2	218989	RIKEN cDNA 6720456H20 gene	-1.08	0.73	1.04
A_52_P1147740	AK034071	NA	NA	NA	-1.23	0.73	0.55
A_52_P313570	NA	NA	NA	NA	-1.13	0.73	0.86
A_51_P140350	NM_030221	Nadsyn1	78914	NAD synthetase 1	-1.21	0.73	0.61
A_52_P11766	BC079668	Whsc1	107823	Wolf-Hirschhorn syndrome candidate 1 (human)	-1.09	0.73	0.97
A_52_P253317	XM_980129	NA	NA	NA	-1.15	0.73	0.77
A_51_P381873	NM_009774	Bub3	12237	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	-1.08	0.73	1.04
A_51_P141190	NM_010044	Dffa	13347	DNA fragmentation factor, alpha subunit	-1.13	0.73	0.82

A_52_P335892	BC056383	Luc7I2	192196	LUC7-like 2 (<i>S. cerevisiae</i>) NIMA (never in mitosis gene a)-related expressed kinase	-1.26	0.73	0.53
A_52_P269016	NM_145138	Nek9	217718	9 solute carrier family 4 (anion exchanger), member 1,	-1.25	0.73	0.55
A_52_P208544	NM_009206	Slc4a1ap	20534	adaptor protein	-1.12	0.73	0.86
A_51_P300378	NM_133791	Wwc2	52357	WW, C2 and coiled-coil domain containing 2	-1.12	0.73	0.86
A_51_P185971	NM_007589	Calm2	12314	calmodulin 2	-1.09	0.73	0.97
A_51_P108051	NM_011874	Psmc4	23996	4 proteasome (prosome, macropain) 26S subunit, ATPase,	-1.13	0.73	0.86
A_51_P413031	NM_028898	Rptor	74370	regulatory associated protein of MTOR, complex 1	-1.10	0.73	0.91
A_52_P204689	NM_009006	Map4k2	26412	mitogen-activated protein kinase kinase kinase kinase 2	-1.23	0.73	0.58
A_51_P327825	NM_011149	Ppib	19035	peptidylprolyl isomerase B	-1.17	0.73	0.70
A_52_P424767	NM_009030	Rbbp4	19646	retinoblastoma binding protein 4	-1.12	0.73	0.86
A_52_P256656	NA	NA	NA	NA	-1.14	0.73	0.82
A_51_P354038	NM_145439	Tmc6	217353	transmembrane channel-like gene family 6	-1.18	0.73	0.70
A_52_P276222	NM_027231	Polr2f	69833	polymerase (RNA) II (DNA directed) polypeptide F	-1.13	0.73	0.86
A_52_P497503	NA	NA	NA	NA	-1.07	0.73	1.04
A_51_P371675	NM_001007!	Slc7a6os	66432	solute carrier family 7, member 6 opposite strand	-1.12	0.73	0.86
A_51_P364231	NM_010752	Mad111	17120	mitotic arrest deficient 1-like 1	-1.13	0.73	0.86
A_51_P180108	NM_028809	Arpc5l	74192	actin related protein 2/3 complex, subunit 5-like	-1.13	0.73	0.86
A_52_P140528	AK081024	B930069K1	320414	RIKEN cDNA B930069K15 gene	-1.19	0.73	0.67
A_51_P466558	NA	NA	NA	NA	-1.07	0.73	1.04
A_51_P345747	NM_172726	E130309DC	231868	RIKEN cDNA E130309D02 gene	-1.22	0.73	0.58
A_51_P127800	NM_029654	Atg2b	76559	ATG2 autophagy related 2 homolog B (<i>S. cerevisiae</i>)	-1.19	0.73	0.67
A_51_P399697	NM_001037!	Dbi	13167	diazepam binding inhibitor	-1.12	0.73	0.86
A_52_P308669	NM_030703	Cpn1	93721	carboxypeptidase N, polypeptide 1	-1.10	0.73	0.91
A_52_P136966	NM_026319	lft74	67694	intraflagellar transport 74 homolog (<i>Chlamydomonas</i>) CDP-diacylglycerol synthase (phosphatidate	-1.07	0.73	1.04
A_52_P283686	NM_138651	Cds2	110911	cytidyltransferase) 2	-1.18	0.73	0.70

A_52_P676492	NM_030147	Brd8	78656	bromodomain containing 8	-1.13	0.73	0.86
A_51_P477414	NM_026728	Echdc2	52430	enoyl Coenzyme A hydratase domain containing 2	-1.12	0.73	0.86
A_52_P544760	NM_007626	Cbx5	12419	chromobox homolog 5 (Drosophila HP1a)	-1.08	0.73	1.04
A_52_P16877	NM_172051	Tmcc3	319880	transmembrane and coiled coil domains 3	-1.09	0.73	0.97
A_51_P415369	NM_021397	Zbtb32	58206	zinc finger and BTB domain containing 32	-1.13	0.73	0.86
A_51_P340355	NM_172310	Tarsl2	272396	threonyl-tRNA synthetase-like 2	-1.10	0.73	0.91
A_52_P537647	AK036317	Raf1	110157	v-raf-leukemia viral oncogene 1	-1.09	0.73	0.97
A_52_P462316	NM_024207	Derl1	67819	Der1-like domain family, member 1	-1.11	0.73	0.91
A_52_P398974	NM_012065	Pde6g	18588	phosphodiesterase 6G, cGMP-specific, rod, gamma	-1.17	0.73	0.70
A_52_P625111	XM_923330	NA	NA	NA	-1.19	0.73	0.67
A_52_P458092	NM_008441	Kif1b	16561	kinesin family member 1B	-1.13	0.73	0.82
A_51_P164270	NM_021336	Snrpa1	68981	small nuclear ribonucleoprotein polypeptide A'	-1.18	0.73	0.70
A_51_P151586	NM_010353	Gsg2	14841	germ cell-specific gene 2	-1.29	0.73	0.46
A_51_P431669	NM_178113	Ncapd3	78658	non-SMC condensin II complex, subunit D3	-1.22	0.73	0.58
A_51_P317361	AK160318	Atp6v0a2	21871	ATPase, H+ transporting, lysosomal V0 subunit A2 translocase of inner mitochondrial membrane 8	-1.07	0.73	1.04
A_52_P520397	NM_013897	Timm8b	30057	homolog b (yeast) mitochondria-associated protein involved in granulocyte-macrophage colony-stimulating factor signal transduction	-1.14	0.73	0.82
A_51_P246944	NM_025571	Magmas	66449	nuclear transcription factor, X-box binding 1	-1.15	0.73	0.77
A_51_P376765	NM_023739	Nfx1	74164	translocase of inner mitochondrial membrane 13	-1.08	0.73	1.04
A_52_P338180	NM_013895	Timm13	30055	homolog (yeast)	-1.35	0.72	0.34
A_52_P215186	NM_026046	Zfp329	67230	zinc finger protein 329	-1.14	0.72	0.82
A_51_P291936	NM_008060	Ganab	14376	alpha glucosidase 2 alpha neutral subunit	-1.11	0.72	0.91
A_51_P486639	XM_901483	2310028O1433771		RIKEN cDNA 2310028O11 gene ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	-1.11	0.72	0.91
A_51_P363714	NM_016786	Ube2k	53323	5',3'-nucleotidase, cytosolic	-1.16	0.72	0.77
A_52_P423849	NM_015807	Nt5c	50773	NA	-1.14	0.72	0.82
A_52_P618342	NA	NA	NA	NA	-1.07	0.72	1.04
A_51_P159610	NM_207202	Ccdc120	54648	coiled-coil domain containing 120	-1.16	0.72	0.77

A_52_P437321	NM_011591	Timm17b	21855	translocase of inner mitochondrial membrane 17b	-1.29	0.72	0.46
A_52_P24382	NM_029282	2610036D175425		RIKEN cDNA 2610036D13 gene	-1.11	0.72	0.91
A_51_P353856	NM_026861	Ubac2	68889	ubiquitin associated domain containing 2	-1.11	0.72	0.91
A_51_P285446	NM_010715	Lig1	16881	ligase I, DNA, ATP-dependent	-1.16	0.72	0.77
A_52_P79506	NM_001024	Zfp667	384763	zinc finger protein 667	-1.09	0.72	0.97
A_51_P192860	NM_008248	Hint1	15254	histidine triad nucleotide binding protein 1	-1.22	0.72	0.58
A_51_P169409	NM_182994	Arl5a	75423	ADP-ribosylation factor-like 5A	-1.16	0.72	0.77
A_52_P462296	NM_007755	Cpeb1	12877	cytoplasmic polyadenylation element binding protein 1 DNA segment, Chr 10, Johns Hopkins University 81	-1.17	0.72	0.70
A_51_P118320	NM_138601	D10Jhu81e	28295	expressed	-1.11	0.72	0.91
A_51_P387342	NM_025442	Alg5	66248	asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase) COP9 (constitutive photomorphogenic) homolog,	-1.13	0.72	0.86
A_51_P371119	NM_012001	Cops4	26891	subunit 4 (<i>Arabidopsis thaliana</i>)	-1.28	0.72	0.46
A_52_P41728	NM_009066	Ring1	19763	ring finger protein 1	-1.14	0.72	0.82
A_52_P82510	NM_008707	Nmt1	18107	N-myristoyltransferase 1	-1.15	0.72	0.77
A_51_P130595	AK005822	Gm10345	1E+08	predicted gene 10345	-1.16	0.72	0.77
A_52_P255804	XM_990359	NA	NA	NA	-1.26	0.72	0.53
A_51_P307427	XM_001000	NA	NA	NA	-1.09	0.72	0.97
A_51_P191700	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-1.16	0.72	0.77
A_51_P162426	NM_021419	Rnf8	58230	ring finger protein 8	-1.15	0.72	0.82
A_51_P406115	NM_007399	Adam10	11487	a disintegrin and metallopeptidase domain 10 nudix (nucleoside diphosphate linked moiety X)-type	-1.18	0.72	0.70
A_51_P110814	NM_028794	Nudt9	74167	motif 9	-1.24	0.72	0.55
A_51_P198675	NM_138951	Ttc36	192653	tetratricopeptide repeat domain 36	-1.13	0.72	0.86
A_52_P271614	NM_001039	Dnm2	13430	dynamitin 2 Tax1 (human T-cell leukemia virus type I) binding	-1.18	0.72	0.70
A_51_P487384	NM_029564	Tax1bp3	76281	protein 3	-1.11	0.72	0.91
A_52_P339011	NM_021360	Neurl1a	18011	neuralized homolog 1A (<i>Drosophila</i>)	-1.22	0.72	0.61
A_51_P261379	NM_139140	Spats2	72572	spermatogenesis associated, serine-rich 2	-1.09	0.72	0.97
A_51_P395727	NM_019575	Scamp4	56214	secretory carrier membrane protein 4	-1.11	0.72	0.91

A_51_P176783	NM_001033	ENSMUSGC382423		predicted gene, ENSMUSG00000074747 low density lipoprotein receptor class A domain	-1.35	0.72	0.37
A_52_P131778	NM_178886	Ldlrad3	241576	containing 3	-1.22	0.72	0.58
A_51_P288026	NM_173400	Haus6	230376	HAUS augmin-like complex, subunit 6	-1.15	0.72	0.77
A_51_P376857	NM_029585	Det1	76375	de-etiolated homolog 1 (Arabidopsis)	-1.23	0.72	0.58
A_52_P411331	NM_146216	Vac14	234729	Vac14 homolog (S. cerevisiae)	-1.24	0.72	0.55
A_52_P405362	XM_992182	NA	NA	NA	-1.14	0.72	0.82
A_52_P634856	NM_011779	Coro1c	23790	coronin, actin binding protein 1C	-1.32	0.72	0.40
A_51_P194999	NM_027931	Tars2	71807	threonyl-tRNA synthetase 2, mitochondrial (putative)	-1.11	0.72	0.91
A_51_P401717	NM_145421	Fam108a	216169	family with sequence similarity 108, member A	-1.14	0.72	0.82
A_52_P143847	NM_021505	Anapc5	59008	anaphase-promoting complex subunit 5	-1.27	0.72	0.50
A_51_P316188	NM_025526	Iscu	66383	IscU iron-sulfur cluster scaffold homolog (E. coli)	-1.07	0.72	1.04
A_52_P145878	AK164650	5530601H04	71445	RIKEN cDNA 5530601H04 gene	-1.19	0.72	0.67
A_51_P393668	NM_181540	Tm6sf2	107770	transmembrane 6 superfamily member 2	-1.15	0.72	0.82
A_52_P192664	BC027287	Chd6	71389	chromodomain helicase DNA binding protein 6 HSPA (heat shock 70kDa) binding protein, cytoplasmic	-1.14	0.72	0.82
A_51_P140140	NM_024172	Hspbp1	66245	cochaperone 1	-1.07	0.72	1.04
A_51_P457492	NM_025791	Tmem223	66836	transmembrane protein 223	-1.13	0.72	0.86
A_51_P168745	NM_023712	Spns1	73658	spinstar homolog 1 (Drosophila) pyridoxal-dependent decarboxylase domain containing	-1.29	0.72	0.46
A_52_P542290	NM_053181	Pdxdc1	94184	1	-1.16	0.72	0.77
A_52_P422618	NM_007397	Acvr2b	11481	activin receptor IIB CTD (carboxy-terminal domain, RNA polymerase II,	-1.07	0.72	1.04
A_52_P268250	NM_146012	Ctdsp2	52468	polypeptide A) small phosphatase 2	-1.16	0.72	0.77
A_51_P378754	NM_017467	Zfp316	54201	zinc finger protein 316	-1.19	0.72	0.67
A_52_P569958	NM_001039	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin)	-1.29	0.72	0.46
A_51_P156564	XM_138271	Zfp839	72805	zinc finger protein 839	-1.26	0.72	0.50
A_52_P58281	NM_145979	Chd4	107932	chromodomain helicase DNA binding protein 4	-1.12	0.72	0.86
A_51_P413785	NM_147778	Comm3	12238	COMM domain containing 3	-1.29	0.72	0.46
A_52_P296682	NM_030262	Pofut2	80294	protein O-fucosyltransferase 2	-1.14	0.72	0.82
A_51_P463536	NM_010791	Meox1	17285	mesenchyme homeobox 1	-1.22	0.72	0.61
A_52_P452504	AW122171	NA	NA	NA	-1.13	0.72	0.86

A_51_P129929	NM_177899	D330038O(330788		RIKEN cDNA D330038O06 gene	-1.07	0.72	1.04
A_52_P654021	NM_009357	Tex261	21766	testis expressed gene 261	-1.10	0.72	0.91
A_52_P564625	AK161008	Ube2b	22210	ubiquitin-conjugating enzyme E2B, RAD6 homology (S. cerevisiae)	-1.15	0.72	0.82
A_52_P632227	NM_029365	Med25	75613	mediator of RNA polymerase II transcription, subunit 25 homolog (yeast)	-1.11	0.72	0.91
A_51_P314019	NM_001038	Banf1	23825	barrier to autointegration factor 1	-1.26	0.72	0.53
A_52_P258124	NM_175530	Fbxo46	243867	F-box protein 46	-1.10	0.72	0.91
A_51_P200144	NM_026550	Pak1ip1	68083	PAK1 interacting protein 1	-1.34	0.72	0.37
A_51_P300297	NM_026075	Sfrs12ip1	67288	SFRS12-interacting protein 1	-1.17	0.72	0.70
A_52_P264368	NM_025542	2410001C2	66404	RIKEN cDNA 2410001C21 gene	-1.14	0.72	0.82
A_51_P158462	AK035967	NA	NA	NA	-1.21	0.72	0.61
A_51_P465772	NM_019685	Ruvbl1	56505	RuvB-like protein 1	-1.18	0.72	0.70
A_52_P46986	AK010433	Cryz1	66609	crystallin, zeta (quinone reductase)-like 1	-1.14	0.72	0.82
A_51_P165408	XM_355648	Srcrb4d	109267	scavenger receptor cysteine rich domain containing, group B (4 domains)	-1.16	0.72	0.77
A_51_P105178	NM_009238	Sox4	20677	SRY-box containing gene 4	-1.20	0.72	0.61
A_52_P995381	BB814947	NA	NA	NA	-1.23	0.72	0.58
A_52_P686136	NM_172661	Bat2l	227723	HLA-B associated transcript 2-like	-1.18	0.72	0.67
A_52_P23476	NM_177214	Snrnp200	320632	small nuclear ribonucleoprotein 200 (U5)	-1.14	0.72	0.82
A_52_P72487	NM_011936	Fto	26383	fat mass and obesity associated	-1.18	0.72	0.70
A_51_P160202	NM_008740	Nsf	18195	N-ethylmaleimide sensitive fusion protein	-1.14	0.72	0.82
A_52_P301503	NM_007941	Stx2	13852	syntaxin 2	-1.13	0.72	0.86
A_51_P346516	NM_008974	Ptp4a2	19244	protein tyrosine phosphatase 4a2	-1.10	0.72	0.91
A_52_P238027	NM_017372	Lyz2	17105	lysozyme 2	-1.22	0.72	0.58
A_52_P287052	NM_020491	Sssca1	56390	Sjogren's syndrome/scleroderma autoantigen 1 homolog (human)	-1.19	0.72	0.67
A_51_P147654	AK170049	Tex261	21766	testis expressed gene 261	-1.17	0.72	0.70
A_51_P160787	NM_007491	Art5	11875	ADP-ribosyltransferase 5	-1.15	0.72	0.77
A_51_P100246	NM_145578	Ube2m	22192	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	-1.20	0.72	0.61
A_51_P373441	NM_026948	Cuta	67675	cutA divalent cation tolerance homolog (E. coli)	-1.16	0.72	0.77
A_52_P568888	BC100475	1110034G2	73747	RIKEN cDNA 1110034G24 gene	-1.21	0.72	0.61
A_51_P456838	NM_178674	Fbxl21	213311	F-box and leucine-rich repeat protein 21	-1.17	0.72	0.70

A_51_P405089	NM_145376	Lpcat1	210992	lysophosphatidylcholine acyltransferase 1	-1.16	0.72	0.77
A_51_P341664	NM_133228	Zfp87	170763	zinc finger protein 87	-1.10	0.72	0.97
A_51_P296090	NM_144932	Acsf3	257633	acyl-CoA synthetase family member 3	-1.08	0.72	0.97
A_52_P661722	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-1.16	0.71	0.77
A_52_P923110	AK031957	6330509M1	102913	RIKEN cDNA 6330509M05 gene	-1.09	0.71	0.97
A_51_P402480	AK173166	Fam135a	68187	family with sequence similarity 135, member A	-1.13	0.71	0.86
A_51_P485161	NM_009946	Cplx2	12890	complexin 2	-1.15	0.71	0.82
A_51_P440694	NM_029846	Atg16l1	77040	autophagy-related 16-like 1 (yeast)	-1.09	0.71	0.97
A_52_P497056	NM_019995	Fam48a	56790	family with sequence similarity 48, member A solute carrier family 27 (fatty acid transporter), member	-1.32	0.71	0.40
A_52_P61854	NM_011989	Slc27a4	26569	4	-1.25	0.71	0.53
A_51_P384879	NM_008617	Mdh2	17448	malate dehydrogenase 2, NAD (mitochondrial)	-1.08	0.71	0.97
A_52_P76629	AK148746	NA	NA	NA	-1.12	0.71	0.86
A_51_P320105	NM_026796	Smyd2	226830	SET and MYND domain containing 2	-1.17	0.71	0.70
A_52_P258507	AK004266	Ppp1r10	52040	protein phosphatase 1, regulatory subunit 10	-1.12	0.71	0.86
A_52_P428228	NM_026977	1810031K1	69171	RIKEN cDNA 1810031K17 gene	-1.17	0.71	0.70
A_51_P157214	NM_008246	Hiat1	15247	hippocampus abundant gene transcript 1	-1.21	0.71	0.61
A_52_P383913	AK020775	Trim35	66854	tripartite motif-containing 35	-1.21	0.71	0.61
A_51_P141932	NM_181413	Anks1	224650	ankyrin repeat and SAM domain containing 1	-1.10	0.71	0.91
A_51_P253732	NM_027265	NA	NA	NA	-1.09	0.71	0.97
A_52_P83252	NM_008281	Hpn	15451	hepsin	-1.21	0.71	0.61
A_52_P272945	NM_023243	Ccnh	66671	cyclin H	-1.38	0.71	0.30
A_51_P161890	NM_010189	Fcgrt	14132	Fc receptor, IgG, alpha chain transporter	-1.22	0.71	0.58
A_52_P206526	NM_053266	Gtf2ird2	114674	GTF2I repeat domain containing 2	-1.13	0.71	0.82
A_51_P370825	NM_026964	Ccdc124	234388	coiled-coil domain containing 124	-1.34	0.71	0.37
A_51_P394014	NM_133686	Qprt	67375	quinolinate phosphoribosyltransferase	-1.07	0.71	1.04
A_52_P123384	NM_011870	Cib1	23991	calcium and integrin binding 1 (calmyrin)	-1.16	0.71	0.77
A_51_P300277	NM_009898	Coro1a	12721	coronin, actin binding protein 1A	-1.10	0.71	0.91
A_52_P194680	BI152977	NA	NA	NA	-1.21	0.71	0.61
A_52_P525574	NM_010642	Klk1b21	16616	kallikrein 1-related peptidase b21	-1.11	0.71	0.91
A_51_P176352	NM_013864	Ndrp2	29811	N-myc downstream regulated gene 2	-1.19	0.71	0.67
A_51_P230552	NM_009053	Rfng	19719	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	-1.09	0.71	0.97

A_52_P192651	NM_207220	Gpr137	107173	G protein-coupled receptor 137	-1.16	0.71	0.77
A_52_P282186	AK173104	Slc45a4	106068	solute carrier family 45, member 4	-1.34	0.71	0.37
A_51_P379822	NM_153567	Slain2	75991	SLAIN motif family, member 2	-1.23	0.71	0.58
A_52_P1123358	AK019067	221041511	78320	RIKEN cDNA 2210415111 gene	-1.21	0.71	0.61
A_52_P287683	NM_181414	Pik3c3	225326	phosphoinositide-3-kinase, class 3	-1.08	0.71	1.04
A_51_P368855	NM_010385	H2-Ke2	14976	H2-K region expressed gene 2	-1.18	0.71	0.70
A_51_P297552	NM_198107	Med16	216154	mediator complex subunit 16	-1.11	0.71	0.91
A_51_P163958	NM_011467	Spr	20751	sepiapterin reductase	-1.07	0.71	1.04
A_51_P456980	AJ001373	Itgb1bp1	16413	integrin beta 1 binding protein 1	-1.14	0.71	0.82
A_51_P508775	NM_011846	Mmp17	23948	matrix metalloproteinase 17	-1.19	0.71	0.67
A_52_P261846	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-1.08	0.71	0.97
A_51_P241667	NM_011159	Prkdc	19090	protein kinase, DNA activated, catalytic polypeptide	-1.08	0.71	1.04
A_51_P345902	NM_133964	Dohh	102115	deoxyhypusine hydroxylase/monooxygenase	-1.08	0.71	1.04
A_51_P348985	NM_026198	Tmem167b	67495	transmembrane protein 167B	-1.17	0.71	0.77
A_51_P232474	NM_028028	Zswim1	71971	zinc finger, SWIM domain containing 1	-1.20	0.71	0.61
A_52_P1068094	AK037508	A130022J2	320617	RIKEN cDNA A130022J21 gene	-1.16	0.71	0.77
A_51_P183853	NM_178602	Grin1a	28015	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-1.39	0.71	0.28
A_51_P157840	NM_023850	Chst1	76969	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	-1.35	0.71	0.34
A_52_P100381	BC051084	Zbtb42	382639	zinc finger and BTB domain containing 42	-1.07	0.71	1.04
A_51_P183515	AK008958	221041601	70393	RIKEN cDNA 2210416015 gene	-1.34	0.71	0.37
A_52_P269956	NM_025904	1600012F0	67008	RIKEN cDNA 1600012F09 gene	-1.17	0.71	0.77
A_51_P217307	AK017468	Fam175a	70681	family with sequence similarity 175, member A	-1.26	0.71	0.53
A_51_P487162	NM_028002	Dus4l	71916	dihydrouridine synthase 4-like (S. cerevisiae)	-1.12	0.71	0.86
A_51_P311125	NM_024250	Phf10	72057	PHD finger protein 10	-1.12	0.71	0.86
A_52_P649419	AK162561	3110052M0	73229	RIKEN cDNA 3110052M02 gene	-1.17	0.71	0.70
A_52_P650288	NM_029963	Mrps5	77721	mitochondrial ribosomal protein S5	-1.19	0.71	0.67
A_52_P576100	NM_011363	Sh2b1	20399	SH2B adaptor protein 1	-1.09	0.71	0.97
A_52_P118591	NM_001034	Tnfsf12-Tnfr	619441	Tnfsf12-tnfsf13 readthrough transcript	-1.32	0.71	0.40
A_52_P336268	NM_145427	Atpaf2	246782	ATP synthase mitochondrial F1 complex assembly factor 2	-1.26	0.71	0.53
A_52_P187787	NM_023231	Stoml2	66592	stomatin (Epb7.2)-like 2	-1.10	0.71	0.91

				succinate dehydrogenase complex, subunit B, iron sulfur (Ip)	-1.11	0.71	0.91
A_51_P234853	NM_023374	Sdhd	67680				
A_51_P150608	NM_026365	Jagn1	67767	jagunal homolog 1 (Drosophila)	-1.07	0.71	1.04
A_51_P223111	NM_028661	Fam98c	73833	family with sequence similarity 98, member C	-1.31	0.71	0.44
A_52_P650473	NA	NA	NA	NA	-1.15	0.71	0.82
A_51_P393761	NM_153064	Ndufs2	226646	NADH dehydrogenase (ubiquinone) Fe-S protein 2	-1.12	0.71	0.86
A_52_P655982	NM_010926	Cox4nb	18117	COX4 neighbor	-1.24	0.71	0.55
A_51_P449956	NM_019795	Dnajc7	56354	Dnal (Hsp40) homolog, subfamily C, member 7	-1.26	0.71	0.53
A_51_P427603	NM_144935	BC018242	235044	cDNA sequence BC018242	-1.09	0.71	0.97
A_51_P382588	NM_019709	Mbtps1	56453	membrane-bound transcription factor peptidase, site 1	-1.09	0.71	0.97
A_51_P146382	NM_001024	NA	NA	NA	-1.11	0.71	0.91
A_51_P428505	NM_025327	Krtcap2	66059	keratinocyte associated protein 2	-1.40	0.71	0.28
A_51_P406519	NM_001039	Rapgef1	107746	Rap guanine nucleotide exchange factor (GEF) 1	-1.17	0.71	0.70
A_51_P318856	NM_145935	Glyat	107146	glycine-N-acyltransferase	-1.29	0.71	0.46
A_51_P156631	NM_028419	Glrx5	73046	glutaredoxin 5 homolog (S. cerevisiae)	-1.13	0.71	0.86
A_51_P255844	NM_028300	Pih1d2	72614	PIH1 domain containing 2	-1.14	0.71	0.82
A_52_P705980	AK018474	8430437O	71536	RIKEN cDNA 8430437O03 gene	-1.18	0.71	0.70
A_51_P366960	NM_016763	Hsd17b10	15108	hydroxysteroid (17-beta) dehydrogenase 10	-1.21	0.71	0.61
A_52_P145912	NM_139300	Mylk	107589	myosin, light polypeptide kinase	-1.07	0.71	1.04
A_51_P293059	NM_133722	Fam108c	70178	family with sequence similarity 108, member C	-1.15	0.71	0.82
A_51_P338878	NM_027571	P2ry12	70839	purinergic receptor P2Y, G-protein coupled 12	-1.30	0.71	0.44
A_52_P274591	NM_181328	Slc25a29	214663	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	-1.12	0.71	0.86
A_51_P336114	AK154592	Wdr62	233064	WD repeat domain 62	-1.11	0.71	0.91
A_51_P313581	NM_007980	Fabp2	14079	fatty acid binding protein 2, intestinal	-1.24	0.71	0.55
A_52_P874367	AK014267	3110080O	73241	RIKEN cDNA 3110080O07 gene	-1.13	0.71	0.86
A_51_P312482	NM_026613	Ccdc34	68201	coiled-coil domain containing 34	-1.13	0.71	0.86
A_52_P276412	AK011886	Atpif1	11983	ATPase inhibitory factor 1	-1.17	0.71	0.77
A_52_P467140	NM_019776	Snd1	56463	staphylococcal nuclease and tudor domain containing 1	-1.16	0.71	0.77
A_51_P471386	NM_011800	Cdh20	23836	cadherin 20	-1.11	0.71	0.91
A_52_P536538	AK013007	1810030N	266291	RIKEN cDNA 1810030N24 gene	-1.14	0.71	0.82

A_52_P144297	NM_198617	Tspyl3	241732	TSPY-like 3	-1.18	0.71	0.70
A_52_P185054	AK004111	1110035H1	168686	RIKEN cDNA 1110035H17 gene	-1.20	0.71	0.61
A_52_P549977	NM_026455	Fam32a	67922	family with sequence similarity 32, member A	-1.14	0.71	0.82
A_51_P246119	XM_899897	NA	NA	NA	-1.12	0.71	0.86
A_51_P269173	NM_133981	Alg9	102580	asparagine-linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase)	-1.24	0.71	0.55
A_52_P360351	AK083336	C920008N2	319366	RIKEN cDNA C920008N22 gene	-1.25	0.71	0.53
A_51_P254553	NM_025947	Dynlrb1	67068	dynein light chain roadblock-type 1	-1.13	0.71	0.86
A_52_P401723	NM_011509	Gm3258	1E+08	predicted gene 3258	-1.21	0.71	0.61
A_51_P361563	NM_145385	Mlf2	30853	myeloid leukemia factor 2	-1.24	0.71	0.55
A_52_P54906	XR_004464	NA	NA	NA	-1.24	0.71	0.55
A_52_P137293	BC038492	Stradb	227154	STE20-related kinase adaptor beta	-1.15	0.71	0.82
A_51_P303824	NM_029588	1700012L0	76383	RIKEN cDNA 1700012L04 gene	-1.31	0.71	0.40
A_51_P467558	NM_011650	Tsn	22099	translin	-1.18	0.71	0.70
A_52_P386832	NM_194348	Atg2a	329015	ATG2 autophagy related 2 homolog A (<i>S. cerevisiae</i>)	-1.14	0.71	0.82
A_52_P401579	NM_145390	Tnpo2	212999	transportin 2 (importin 3, karyopherin beta 2b)	-1.19	0.71	0.67
A_51_P115817	NM_023884	Ralgps2	78255	Ral GEF with PH domain and SH3 binding motif 2	-1.13	0.71	0.86
A_51_P472488	NM_019836	2610024G1	156412	RIKEN cDNA 2610024G14 gene	-1.19	0.71	0.67
A_52_P327791	AK032600	Cdadcl	71891	cytidine and dCMP deaminase domain containing 1	-1.18	0.71	0.70
A_51_P389724	NM_009024	Rara	19401	retinoic acid receptor, alpha	-1.25	0.71	0.53
A_52_P499297	NM_019831	Zmym3	56364	zinc finger, MYM-type 3	-1.12	0.71	0.86
A_52_P434039	NM_030597	Lsm2	27756	LSM2 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	-1.09	0.71	0.97
A_52_P104169	NM_001008	Zfp658	210104	zinc finger protein 658	-1.12	0.71	0.86
A_51_P274685	NM_026824	Dus1l	68730	dihydrouridine synthase 1-like (<i>S. cerevisiae</i>)	-1.26	0.71	0.53
A_52_P469657	BC089304	2210018M	233545	RIKEN cDNA 2210018M11 gene	-1.19	0.70	0.67
A_51_P371942	NM_008788	Pcolce	18542	procollagen C-endopeptidase enhancer protein	-1.12	0.70	0.86
A_51_P308814	NM_026654	Toe1	68276	target of EGR1, member 1 (nuclear)	-1.25	0.70	0.53
A_51_P391668	NM_001007	D8Ertcd738	101966	DNA segment, Chr 8, ERATO Doi 738, expressed	-1.11	0.70	0.91
A_52_P624362	NM_146110	Aamp	227290	angio-associated migratory protein	-1.30	0.70	0.44
A_51_P204295	NM_011220	Pts	19286	6-pyruvoyl-tetrahydropterin synthase	-1.14	0.70	0.82

A_51_P167105	NM_019420	B3galt4	54218	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	-1.10	0.70	0.91
A_51_P435317	AK048085	NA	NA	NA	-1.11	0.70	0.91
A_51_P346045	NM_053266	Gtf2ird2	114674	GTF2I repeat domain containing 2	-1.19	0.70	0.67
A_52_P423357	NM_145353	Yipf3	28064	Yip1 domain family, member 3	-1.16	0.70	0.77
A_52_P853177	NM_011923	Angptl2	26360	angiopoietin-like 2	-1.15	0.70	0.77
A_52_P164695	NM_028950	Nsun6	74455	NOL1/NOP2/Sun domain family member 6	-1.17	0.70	0.70
A_52_P638798	AK163490	Mipol1	73490	mirror-image polydactyly gene 1 homolog (human)	-1.36	0.70	0.34
A_51_P518470	NM_025978	Ttc14	67120	tetratricopeptide repeat domain 14 DNA segment, Chr 17, Wayne State University 104, expressed	-1.13	0.70	0.86
A_51_P123920	NM_080837	D17Wsu10	28106	nicalin homolog (zebrafish)	-1.13	0.70	0.37
A_51_P308557	NM_134009	Ncln	103425	F-box protein 32	-1.11	0.70	0.86
A_51_P109369	NM_026346	Fbxo32	67731	acid phosphatase 2, lysosomal	-1.11	0.70	0.91
A_51_P516456	NM_007387	Acp2	11432	C1D nuclear receptor co-repressor	-1.20	0.70	0.67
A_52_P150495	NM_020558	C1d	57316	mediator complex subunit 16	-1.15	0.70	0.82
A_52_P425531	NM_198107	Med16	216154	RIKEN cDNA 6330416L07 gene	-1.10	0.70	0.91
A_51_P233308	NM_176962	6330416L0	319615	abhydrolase domain containing 5	-1.15	0.70	0.82
A_51_P407165	NM_026179	Abhd5	67469	SET translocation	-1.08	0.70	1.04
A_52_P619761	NM_023871	Set	56086	farnesyltransferase, CAAX box, beta protein phosphatase 1, regulatory (inhibitor) subunit	-1.10	0.70	0.91
A_51_P517680	NM_145927	Fntb	110606	12C	-1.18	0.70	0.70
A_51_P208410	AK144691	Ppp1r12c	232807	phosphodiesterase 4D interacting protein (myomegalin)	-1.35	0.70	0.37
A_51_P215356	NM_178080	Pde4dip	83679	solute carrier family 48 (heme transporter), member 1	-1.10	0.70	0.91
A_52_P528505	NM_026353	Slc48a1	67739	A kinase (PRKA) anchor protein 8	-1.13	0.70	0.86
A_52_P560817	NM_019774	Akap8	56399	SID1 transmembrane family, member 2	-1.20	0.70	0.61
A_51_P385961	NM_172257	Sidt2	214597	formin binding protein 1	-1.07	0.70	1.04
A_52_P105840	NM_001038	Fnbp1	14269	GPN-loop GTPase 2	-1.28	0.70	0.46
A_51_P241111	NM_133884	Gpn2	100210	homeobox B2	-1.29	0.70	0.46
A_52_P15300	NM_134032	Hoxb2	103889	RIKEN cDNA 2610027L16 gene	-1.16	0.70	0.77
A_51_P512765	NM_026403	2610027L1	67842	family with sequence similarity 103, member A1	-1.25	0.70	0.55
A_51_P127958	NM_025997	Fam103a1	67148		-1.25	0.70	0.53

A_51_P366406	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-1.31	0.70	0.44
A_51_P212107	NM_025680	Ctnnb1	66642	catenin, beta like 1	-1.18	0.70	0.70
A_51_P280158	NM_030109	Sf3b2	319322	splicing factor 3b, subunit 2	-1.39	0.70	0.30
A_51_P401304	NM_029665	Ipo11	76582	importin 11	-1.13	0.70	0.86
A_51_P345663	XM_622097	NA	NA	NA	-1.09	0.70	0.97
A_51_P420627	NM_010922	Mrpl40	18100	mitochondrial ribosomal protein L40	-1.17	0.70	0.70
A_52_P522097	NM_028320	Adipor1	72674	adiponectin receptor 1	-1.17	0.70	0.70
A_51_P118715	NM_026274	Rspry1	67610	ring finger and SPRY domain containing 1	-1.28	0.70	0.46
A_52_P221554	NM_198652	Hjrp	381280	Holliday junction recognition protein	-1.30	0.70	0.44
A_51_P283464	NM_133788	Icmt	57295	isoprenylcysteine carboxyl methyltransferase	-1.46	0.70	0.21
A_51_P433467	NM_007965	Evl	14026	Ena-vasodilator stimulated phosphoprotein	-1.22	0.70	0.58
A_51_P467334	NM_133728	Asnsd1	70396	asparagine synthetase domain containing 1	-1.29	0.70	0.46
A_52_P297075	NM_177171	Heatr5a	320487	HEAT repeat containing 5A	-1.28	0.70	0.50
A_51_P388984	NM_026446	Rgs19	56470	regulator of G-protein signaling 19	-1.13	0.70	0.86
A_51_P393067	NM_021392	Ap4m1	11781	adaptor-related protein complex AP-4, mu 1	-1.31	0.70	0.44
A_51_P176549	NM_019774	Akap8	56399	A kinase (PRKA) anchor protein 8	-1.29	0.70	0.46
A_52_P518233	AK036277	Ndr3	29812	N-myc downstream regulated gene 3	-1.20	0.70	0.61
A_51_P377508	NM_033218	Srebf2	20788	sterol regulatory element binding factor 2	-1.16	0.70	0.77
A_51_P242265	NM_009950	Cradd	12905	CASP2 and RIPK1 domain containing adaptor with death domain	-1.19	0.70	0.67
A_51_P355360	NM_010589	Jak3	16453	Janus kinase 3	-1.30	0.70	0.44
A_51_P408082	NM_009692	Apoa1	11806	apolipoprotein A-I	-1.29	0.70	0.46
A_51_P160567	NM_021519	Edf1	59022	endothelial differentiation-related factor 1	-1.42	0.70	0.27
A_51_P506128	NM_175247	Zfp28	22690	zinc finger protein 28	-1.30	0.70	0.44
A_52_P462432	NM_017477	Copg	54161	coatamer protein complex, subunit gamma	-1.27	0.70	0.50
A_52_P657435	NM_008950	Psmc5	19184	protease (prosome, macropain) 26S subunit, ATPase 5	-1.24	0.70	0.55
A_52_P562147	NA	NA	NA	NA	-1.15	0.70	0.82
A_51_P184321	NM_007926	Aimp1	13722	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1	-1.19	0.70	0.67
A_52_P268104	NA	NA	NA	NA	-1.26	0.70	0.53
A_52_P428521	NM_008001	Fgd1	14163	FYVE, RhoGEF and PH domain containing 1	-1.31	0.70	0.44
A_51_P441837	NM_026837	Tmem53	68777	transmembrane protein 53	-1.27	0.70	0.50
A_52_P536735	NM_016677	Hpcal1	53602	hippocalcin-like 1	-1.34	0.70	0.37

A_52_P218590	NA	NA	NA	NA	-1.25	0.70	0.53
A_51_P343309	NM_009908	Cmas	12764	cytidine monophospho-N-acetylneuraminic acid synthetase	-1.11	0.70	0.91
A_52_P469277	AF087578	Slc1a1	20510	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	-1.40	0.70	0.28
A_52_P258991	AK145759	Cdk7	12572	cyclin-dependent kinase 7	-1.27	0.70	0.50
A_51_P460793	BC056383	Luc7l2	192196	LUC7-like 2 (<i>S. cerevisiae</i>)	-1.17	0.70	0.70
A_51_P393862	NM_025716	Spryd4	66701	SPRY domain containing 4	-1.23	0.70	0.58
A_51_P151775	NM_178719	Smcr7l	239555	Smith-Magenis syndrome chromosome region, candidate 7-like (human)	-1.21	0.70	0.61
A_51_P514922	BC021475	2610301G1	1219158	RIKEN cDNA 2610301G19 gene	-1.08	0.70	1.04
A_51_P101635	NM_019719	Stub1	56424	STIP1 homology and U-Box containing protein 1	-1.43	0.70	0.24
A_51_P462972	NM_144535	Mudeng	74385	MU-2/AP1M2 domain containing, death-inducing	-1.40	0.70	0.28
A_51_P504538	NM_007919	Cela2a	13706	chymotrypsin-like elastase family, member 2A	-1.10	0.70	0.97
A_51_P429372	NM_029669	Dnajc18	76594	Dnal (Hsp40) homolog, subfamily C, member 18	-1.07	0.70	1.04
A_51_P139021	NM_017393	Clpp	53895	caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (<i>E. coli</i>)	-1.30	0.70	0.44
A_52_P463143	NM_016742	Cdc37	12539	cell division cycle 37 homolog (<i>S. cerevisiae</i>)	-1.35	0.70	0.34
A_51_P169032	NM_025615	2810004N2	66523	RIKEN cDNA 2810004N23 gene	-1.14	0.70	0.82
A_52_P325574	NM_024225	Snx5	69178	sorting nexin 5	-1.08	0.70	1.04
A_51_P247591	NM_146110	Aamp	227290	angio-associated migratory protein	-1.24	0.70	0.55
A_52_P279319	NM_011840	Map2k5	23938	mitogen-activated protein kinase kinase 5	-1.10	0.70	0.97
A_51_P426724	NM_001037	RP23-233B	622665	coiled-coil domain containing 17	-1.22	0.70	0.58
A_51_P203360	NM_177262	Pkn1	320795	protein kinase N1	-1.12	0.70	0.86
A_51_P262533	NM_028868	Cxxc1	74322	CXXC finger 1 (PHD domain)	-1.22	0.70	0.58
A_52_P585509	AK040881	Oxr1	170719	oxidation resistance 1	-1.47	0.70	0.21
A_52_P869802	NM_028597	Thoc3	73666	THO complex 3	-1.15	0.70	0.82
A_51_P326086	NM_011293	Polr2j	20022	polymerase (RNA) II (DNA directed) polypeptide J	-1.22	0.70	0.58
A_51_P207849	NM_026975	Bola1	69168	bola-like 1 (<i>E. coli</i>)	-1.23	0.70	0.55
A_52_P575771	NM_026182	Mtfr1	67472	mitochondrial fission regulator 1	-1.34	0.70	0.37
A_52_P112864	NM_009359	Tex9	21778	testis expressed gene 9	-1.40	0.70	0.28

A_52_P445828	NM_013853	Abcf2	27407	ATP-binding cassette, sub-family F (GCN20), member 2	-1.24	0.70	0.55
A_52_P292651	NM_021288	Tyms	22171	thymidylate synthase	-1.22	0.70	0.61
A_52_P630646	NM_026654	Toe1	68276	target of EGR1, member 1 (nuclear)	-1.18	0.70	0.70
A_52_P527931	XM_889480	Ano8	382014	anoctamin 8	-1.08	0.70	1.04
A_52_P444801	NM_203319	Dhx37	208144	DEAH (Asp-Glu-Ala-His) box polypeptide 37	-1.21	0.70	0.61
A_51_P405227	NM_026012	Nradd	67169	neurotrophin receptor associated death domain	-1.19	0.70	0.67
A_51_P201730	NM_011900	Mpdu1	24070	mannose-P-dolichol utilization defect 1	-1.34	0.70	0.37
A_52_P363920	NM_134101	Psmd2	21762	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	-1.11	0.70	0.91
A_51_P120636	NM_007891	E2f1	13555	E2F transcription factor 1	-1.17	0.70	0.77
A_51_P123017	NM_011818	Gmcl1	23885	germ cell-less homolog 1 (Drosophila)	-1.24	0.70	0.55
A_51_P495492	NM_009294	Stx4a	20909	syntaxin 4A (placental)	-1.29	0.70	0.46
A_51_P503654	NM_178577	Tmem205	235043	transmembrane protein 205	-1.14	0.70	0.82
A_51_P508402	NM_177282	Mical2	320878	microtubule associated monooxygenase, calponin and LIM domain containing 2	-1.12	0.70	0.86
A_51_P362399	NM_176953	Lig4	319583	ligase IV, DNA, ATP-dependent	-1.10	0.70	0.97
A_52_P422675	BC090960	Hook3	320191	hook homolog 3 (Drosophila)	-1.42	0.70	0.27
A_51_P236287	AK087504	Safb	224903	scaffold attachment factor B	-1.15	0.70	0.82
A_52_P684214	NM_023126	Rab8a	17274	RAB8A, member RAS oncogene family	-1.40	0.70	0.28
A_52_P364970	NM_181391	Chchd7	66433	coiled-coil-helix-coiled-coil-helix domain containing 7	-1.16	0.70	0.77
A_51_P108190	NM_022891	Rpl23	65019	ribosomal protein L23	-1.29	0.70	0.46
A_52_P271031	NM_010787	Mea1	17256	male enhanced antigen 1	-1.12	0.70	0.86
A_51_P309618	NM_025904	1600012F0	67008	RIKEN cDNA 1600012F09 gene	-1.25	0.70	0.53
A_52_P35960	NM_009983	Ctsd	13033	cathepsin D	-1.15	0.70	0.77
A_51_P362903	NM_025485	Mrps22	64655	mitochondrial ribosomal protein S22	-1.07	0.69	1.04
A_52_P143982	NM_134159	Il17rc	171095	interleukin 17 receptor C	-1.32	0.69	0.40
A_51_P444335	NM_019800	Acp6	66659	acid phosphatase 6, lysophosphatidic platelet-activating factor acetylhydrolase, isoform 1b,	-1.22	0.69	0.58
A_51_P291388	NM_013625	Pafah1b1	18472	subunit 1	-1.22	0.69	0.58
A_52_P195955	NM_028387	MacroD2	72899	MACRO domain containing 2	-1.17	0.69	0.70
A_51_P166258	NM_133195	Brunol4	108013	bruno-like 4, RNA binding protein (Drosophila)	-1.18	0.69	0.67

A_51_P143737	NM_021526	Psmd14	59029	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-1.35	0.69	0.34
A_52_P403764	NM_029432	4930402H2	228602	RIKEN cDNA 4930402H24 gene	-1.09	0.69	0.97
A_52_P299684	NM_172465	Zdhhc9	208884	zinc finger, DHHC domain containing 9	-1.14	0.69	0.82
A_52_P430283	BC053401	Heatr2	433956	HEAT repeat containing 2	-1.30	0.69	0.44
A_52_P117821	NM_025981	NA	NA	NA	-1.22	0.69	0.58
A_52_P440445	AK087773	Polr1a	20019	polymerase (RNA) I polypeptide A	-1.26	0.69	0.53
A_52_P598245	NM_009547	Zfp161	22666	zinc finger protein 161	-1.13	0.69	0.86
A_51_P226184	AK040977	Trove2	20822	TROVE domain family, member 2	-1.21	0.69	0.61
A_51_P169880	NM_133759	Zbtb3	75291	zinc finger and BTB domain containing 3	-1.42	0.69	0.27
A_51_P102943	NM_008296	Hsf1	15499	heat shock factor 1	-1.11	0.69	0.91
A_52_P108321	NM_133744	Ccdc71	72454	coiled-coil domain containing 71	-1.20	0.69	0.67
A_52_P304028	NM_053158	Mrpl1	94061	mitochondrial ribosomal protein L1	-1.37	0.69	0.33
A_52_P627833	NM_008588	Mesp1	17292	mesoderm posterior 1	-1.35	0.69	0.34
A_51_P423039	NM_145406	Slc10a3	214601	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	-1.18	0.69	0.70
A_52_P348031	NM_021889	Syt9	60510	synaptotagmin IX	-1.32	0.69	0.40
A_51_P404077	NM_020510	Fzd2	57265	frizzled homolog 2 (Drosophila)	-1.14	0.69	0.82
A_52_P376337	AK046436	Acn9	71238	ACN9 homolog (S. cerevisiae)	-1.24	0.69	0.55
A_52_P674578	NM_178645	Blmh	104184	bleomycin hydrolase	-1.19	0.69	0.67
A_51_P516615	NM_026684	Ndufb10	68342	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	-1.28	0.69	0.50
A_51_P292736	NM_007654	Cd72	12517	CD72 antigen	-1.07	0.69	1.04
A_52_P92246	AK078408	Klhdc2	69554	kelch domain containing 2	-1.12	0.69	0.86
A_51_P225889	NM_011585	Tia1	21841	cytotoxic granule-associated RNA binding protein 1	-1.38	0.69	0.30
A_52_P160209	NM_139302	Sh3glb2	227700	SH3-domain GRB2-like endophilin B2	-1.37	0.69	0.33
A_52_P10254	NM_011874	Psmc4	23996	proteasome (prosome, macropain) 26S subunit, ATPase, 4	-1.20	0.69	0.67
A_52_P193429	NM_007496	Zfhx3	11906	zinc finger homeobox 3	-1.19	0.69	0.67
A_51_P346884	NM_025665	Snrnp27	66618	small nuclear ribonucleoprotein 27 (U4/U6.U5)	-1.21	0.69	0.61
A_52_P94521	NM_001001:2510009E0	72190	72190	RIKEN cDNA 2510009E07 gene	-1.27	0.69	0.50
A_52_P533065	NM_144509	Arl6ip4	65105	ADP-ribosylation factor-like 6 interacting protein 4	-1.35	0.69	0.34

A_52_P50376	NM_011602	Tln1	21894	talin 1	-1.26	0.69	0.53
A_52_P327927	NA	NA	NA	NA	-1.20	0.69	0.61
A_51_P290170	NM_019979	Selk	80795	selenoprotein K	-1.18	0.69	0.70
A_51_P133369	NM_016717	Scly	50880	selenocysteine lyase	-1.21	0.69	0.61
A_52_P2659	NA	NA	NA	NA	-1.20	0.69	0.67
A_51_P380685	NM_023231	Stoml2	66592	stomatin (Epb7.2)-like 2	-1.46	0.69	0.21
A_52_P398334	NM_177616	Ccdc157	216516	coiled-coil domain containing 157	-1.32	0.69	0.40
A_51_P329251	NM_025366	Chchd1	66121	coiled-coil-helix-coiled-coil-helix domain containing 1	-1.14	0.69	0.82
A_51_P125205	NM_007472	Aqp1	11826	aquaporin 1	-1.15	0.69	0.82
A_52_P482830	NM_025580	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-1.41	0.69	0.27
A_51_P121724	XM_001001	NA	NA	NA	-1.34	0.69	0.37
A_52_P358860	NM_008180	Gss	14854	glutathione synthetase	-1.34	0.69	0.37
A_51_P273679	NM_028772	Dmgdh	74129	dimethylglycine dehydrogenase precursor	-1.39	0.69	0.28
A_52_P313789	AF369981	Ppm1a	19042	protein phosphatase 1A, magnesium dependent, alpha isoform	-1.36	0.69	0.33
A_51_P110341	NM_170727	Scgb3a1	68662	secretoglobin, family 3A, member 1	-1.14	0.69	0.82
A_52_P64601	NM_028722	Msl1	74026	male-specific lethal 1 homolog (Drosophila)	-1.29	0.69	0.46
A_52_P612537	NM_178750	Ss18l1	269397	synovial sarcoma translocation gene on chromosome 18-like 1	-1.18	0.69	0.70
A_52_P560792	NM_026542	Slc25a39	68066	solute carrier family 25, member 39	-1.31	0.69	0.44
A_51_P138141	NM_021421	Angel2	52477	angel homolog 2 (Drosophila)	-1.11	0.69	0.91
A_51_P502132	NM_011985	Mmp23	26561	matrix metalloproteinase 23	-1.32	0.69	0.40
A_51_P357561	NM_026791	Fbxw9	68628	F-box and WD-40 domain protein 9	-1.20	0.69	0.61
A_52_P668030	AK156814	Mrpl44	69163	mitochondrial ribosomal protein L44	-1.29	0.69	0.46
A_52_P681513	AK018386	NA	NA	NA	-1.21	0.69	0.61
A_51_P425047	NM_026838	Srpx2	68792	sushi-repeat-containing protein, X-linked 2	-1.14	0.69	0.82
A_51_P397468	NM_016759	Rundc3a	51799	RUN domain containing 3A	-1.19	0.69	0.67
A_51_P502184	NM_009211	Smarcc1	20588	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	-1.29	0.69	0.46
A_51_P177984	NM_207217	Itfg3	106581	integrin alpha FG-GAP repeat containing 3	-1.23	0.69	0.58
A_52_P1140740	AK089858	NA	NA	NA	-1.11	0.69	0.91
A_52_P609200	NM_012032	Serinc3	26943	serine incorporator 3	-1.15	0.69	0.82

A_52_P686091	NM_011078	Phf2	18676	PHD finger protein 2	-1.14	0.69	0.82
A_51_P180505	AK083797	NA	NA	NA	-1.38	0.69	0.30
A_52_P270490	NM_001003	Epb4.1l1	13821	erythrocyte protein band 4.1-like 1	-1.35	0.69	0.34
A_51_P338600	NM_025387	Tmem14c	66154	transmembrane protein 14C	-1.21	0.69	0.61
A_52_P316824	AK009255	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-1.15	0.69	0.82
A_51_P427444	NM_017472	Snx3	54198	sorting nexin 3	-1.23	0.69	0.58
A_52_P97192	NM_026170	Ergic1	67458	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	-1.09	0.69	0.97
A_52_P544885	NM_011459	Serpinb8	20725	serine (or cysteine) peptidase inhibitor, clade B, member 8	-1.23	0.69	0.58
A_52_P15128	XM_001002	Wdr81	192652	WD repeat domain 81	-1.17	0.69	0.70
A_52_P121	NM_028091	Osgpl1	72085	O-sialoglycoprotein endopeptidase-like 1	-1.44	0.69	0.24
A_51_P339540	NM_009876	Cdkn1c	12577	cyclin-dependent kinase inhibitor 1C (P57)	-1.11	0.69	0.91
A_51_P243435	NM_010475	Hsd17b1	15485	hydroxysteroid (17-beta) dehydrogenase 1	-1.21	0.69	0.61
A_51_P120717	NM_010721	Lmnb1	16906	lamin B1	-1.29	0.69	0.46
A_51_P309184	NM_008993	Pxmp2	19301	peroxisomal membrane protein 2	-1.14	0.69	0.82
A_51_P367298	BU554808	NA	NA	NA	-1.20	0.69	0.61
A_51_P209401	BC062811	1810020D166273		RIKEN cDNA 1810020D17 gene	-1.08	0.69	1.04
A_51_P261737	NM_021517	Pdzk1	59020	PDZ domain containing 1	-1.26	0.69	0.53
A_51_P133713	NM_173189	Mcph1	244329	microcephaly, primary autosomal recessive 1	-1.31	0.69	0.44
A_52_P99470	NM_001013	1110054O05	66209	RIKEN cDNA 1110054O05 gene	-1.33	0.69	0.37
A_51_P278266	NM_146020	Gltpd2	216871	glycolipid transfer protein domain containing 2	-1.32	0.69	0.40
A_51_P256706	NM_008949	Psmc3ip	19183	proteasome (prosome, macropain) 26S subunit, ATPase 3, interacting protein	-1.30	0.69	0.44
A_52_P549815	XM_621314	Dsp	109620	desmoplakin	-1.38	0.69	0.30
A_52_P332898	BB554159	NA	NA	NA	-1.20	0.69	0.67
A_51_P312997	NM_012017	Zfp346	26919	zinc finger protein 346	-1.25	0.69	0.53
A_51_P186887	NM_080562	Ubox5	140629	U box domain containing 5	-1.24	0.69	0.55
A_52_P346556	AK038627	NA	NA	NA	-1.08	0.69	1.04
A_52_P452076	NA	NA	NA	NA	-1.29	0.69	0.46
A_52_P148184	NM_028166	1600014C172244		RIKEN cDNA 1600014C10 gene	-1.10	0.69	0.97
A_51_P212713	NM_023684	Lime1	72699	Lck interacting transmembrane adaptor 1	-1.10	0.69	0.97

				a disintegrin-like and metallopeptidase (reprolysin type)			
A_51_P311038	NM_001024: Adamts15	235130		with thrombospondin type 1 motif, 15	-1.36	0.69	0.33
A_51_P304561	AK013640 NA	NA		NA	-1.41	0.69	0.27
A_52_P311708	NM_026936 Oxa1l	69089		oxidase assembly 1-like	-1.24	0.69	0.55
A_52_P17194	NM_001033: Med22	20933		mediator complex subunit 22	-1.33	0.69	0.37
A_51_P481569	NM_028074 Ddx42	72047		DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	-1.08	0.69	1.04
A_51_P513530	NM_017407 Spag5	54141		sperm associated antigen 5	-1.27	0.69	0.50
A_51_P368210	NM_145981 Phyhip	105653		phytanoyl-CoA hydroxylase interacting protein	-1.10	0.69	0.91
A_51_P177583	NM_028364 Puf60	67959		poly-U binding splicing factor 60	-1.41	0.69	0.27
A_51_P242608	NM_175560 Zfp747	269997		zinc finger protein 747	-1.34	0.69	0.37
A_51_P433399	NM_139141 Zfp192	93681		zinc finger protein 192	-1.54	0.69	0.17
A_51_P257832	NM_009479 Uros	22276		uroporphyrinogen III synthase	-1.11	0.69	0.91
A_51_P201818	BC048938 2810422J0:	75620		RIKEN cDNA 2810422J05 gene	-1.15	0.69	0.77
A_52_P324694	NM_025395 Chchd5	66170		coiled-coil-helix-coiled-coil-helix domain containing 5	-1.09	0.69	0.97
A_52_P324767	NM_001033: Tmed8	382620		transmembrane emp24 domain containing 8	-1.35	0.69	0.34
A_52_P579519	NM_027495 Tmem144	70652		transmembrane protein 144	-1.33	0.69	0.37
A_51_P401730	NM_175153 2010321M:	69882		RIKEN cDNA 2010321M09 gene	-1.23	0.69	0.58
A_51_P251487	NM_025719 Nkapl	66707		NFKB activating protein-like	-1.20	0.69	0.67
A_51_P494567	NM_144885 BC005624	227707		cDNA sequence BC005624	-1.35	0.69	0.34
A_51_P436386	BC006738 Qrich1	69232		glutamine-rich 1	-1.08	0.69	1.04
A_51_P229911	NM_080435 Adcy4	104110		adenylate cyclase 4	-1.48	0.69	0.20
A_52_P641341	NM_028428 Fut11	73068		fucosyltransferase 11	-1.12	0.69	0.86
A_51_P442655	NM_026191 Dhx40	67487		DEAH (Asp-Glu-Ala-His) box polypeptide 40	-1.26	0.69	0.53
A_51_P406077	NM_025363 Fmc1	66117		formation of mitochondrial complexes 1 homolog (S. cerevisiae)	-1.28	0.69	0.46
A_51_P290931	AK019450 Ptpnb	19263		protein tyrosine phosphatase, receptor type, B	-1.19	0.69	0.67
A_51_P502888	NM_010881 Ncoa1	17977		nuclear receptor coactivator 1	-1.32	0.69	0.40
A_51_P446865	NM_011602 Tln1	21894		talin 1	-1.30	0.69	0.44
A_52_P623738	NM_001025: Otud7b	229603		OTU domain containing 7B	-1.20	0.69	0.67
A_52_P470451	AK077724 Mdh1	17449		malate dehydrogenase 1, NAD (soluble)	-1.16	0.69	0.77
A_51_P128147	BC036138 Chmp1a	234852		chromatin modifying protein 1A	-1.41	0.69	0.28
A_51_P425490	NM_053014 Agpat3	28169		1-acylglycerol-3-phosphate O-acyltransferase 3	-1.40	0.68	0.28

A_52_P682099	BC058650	Fam149b	105428	family with sequence similarity 149, member B	-1.48	0.68	0.20
A_52_P269461	XM_356065	Ddhd2	72108	DDHD domain containing 2	-1.49	0.68	0.20
A_52_P271200	NM_029296	1700001C1	75462	RIKEN cDNA 1700001C19 gene	-1.13	0.68	0.86
A_52_P589321	AK169742	NA	NA	NA	-1.14	0.68	0.82
A_52_P149835	NM_008363	Irak1	16179	interleukin-1 receptor-associated kinase 1	-1.32	0.68	0.40
A_51_P479933	NM_024176	Drp1	66556	Dr1 associated protein 1 (negative cofactor 2 alpha)	-1.13	0.68	0.86
A_52_P509906	NM_026298	Ift172	67661	intraflagellar transport 172 homolog (Chlamydomonas)	-1.23	0.68	0.58
A_52_P311725	AJ426449	Spink5	72432	serine peptidase inhibitor, Kazal type 5	-1.19	0.68	0.67
A_52_P504068	NM_153599	Cdk8	264064	cyclin-dependent kinase 8	-1.35	0.68	0.34
A_52_P630098	NA	NA	NA	NA	-1.38	0.68	0.30
A_52_P222669	AK013859	Tmem186	66690	transmembrane protein 186	-1.46	0.68	0.21
A_52_P520429	NM_001024	Gm14325	329575	predicted gene 14325	-1.14	0.68	0.82
A_52_P483269	AK029299	Slc22a15	242126	solute carrier family 22 (organic anion/cation transporter), member 15	-1.19	0.68	0.67
A_52_P421149	XM_204015	Rere	68703	arginine glutamic acid dipeptide (RE) repeats	-1.37	0.68	0.33
A_51_P145631	AK158571	Svip	75744	small VCP/p97-interacting protein	-1.33	0.68	0.37
A_51_P483311	NM_183170	Mpv17l2	234384	MPV17 mitochondrial membrane protein-like 2	-1.43	0.68	0.24
A_51_P256003	NM_009551	Zfand5	22682	zinc finger, AN1-type domain 5	-1.31	0.68	0.44
A_51_P230904	NM_019877	Copz2	56358	coatamer protein complex, subunit zeta 2	-1.13	0.68	0.86
A_52_P122054	NM_016843	Atxn10	54138	ataxin 10	-1.13	0.68	0.86
A_51_P193379	NM_001040	Mtmr7	54384	myotubularin related protein 7	-1.12	0.68	0.86
A_52_P541833	NM_177876	Vps37b	330192	vacuolar protein sorting 37B (yeast)	-1.13	0.68	0.86
A_51_P278427	NM_146051	3830406C1	218734	RIKEN cDNA 3830406C13 gene	-1.47	0.68	0.21
A_51_P394354	NM_027464	5730469M	70564	RIKEN cDNA 5730469M10 gene	-1.18	0.68	0.67
A_52_P378157	NM_148949	Tdpoz1	207213	TD and POZ domain containing 1	-1.34	0.68	0.37
A_51_P249118	NM_008830	Abcb4	18670	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-1.09	0.68	0.97
A_52_P415351	NM_011650	Tsn	22099	translin	-1.35	0.68	0.34
A_51_P503953	NM_027993	2310028H2	71901	RIKEN cDNA 2310028H24 gene	-1.10	0.68	0.91
A_52_P666268	NM_001039	D11Bwg05	52897	DNA segment, Chr 11, Brigham & Women's Genetics 0517 expressed	-1.08	0.68	1.04
A_51_P314323	NM_030083	Lsmd1	78304	LSM domain containing 1	-1.17	0.68	0.70

A_52_P348038	NM_016663	Syt3	20981	synaptotagmin III	-1.30	0.68	0.44
A_51_P191511	NM_019460	Sfmbt1	54650	Scm-like with four mbt domains 1	-1.18	0.68	0.70
A_52_P301591	XM_887283	NA	NA	NA	-1.19	0.68	0.67
A_52_P1149693	AK162627	A930006KC	78433	RIKEN cDNA A930006K02 gene	-1.22	0.68	0.58
A_52_P156485	NM_026241	Ankrd39	109346	ankyrin repeat domain 39	-1.12	0.68	0.86
A_51_P450750	BC098210	NA	NA	NA	-1.28	0.68	0.50
A_52_P333691	NM_001001	Rtel1	269400	regulator of telomere elongation helicase 1	-1.12	0.68	0.86
A_52_P319149	NM_027159	Ccdc115	69668	coiled-coil domain containing 115	-1.22	0.68	0.58
A_51_P206518	NM_019542	Nagk	56174	N-acetylglucosamine kinase	-1.41	0.68	0.27
A_51_P398596	NM_144812	Tnrc6b	213988	trinucleotide repeat containing 6b	-1.23	0.68	0.58
A_51_P114551	NM_028754	0610037L1	74098	RIKEN cDNA 0610037L13 gene	-1.26	0.68	0.53
A_52_P208727	BC050924	Zmym4	67785	zinc finger, MYM-type 4	-1.11	0.68	0.91
A_52_P209101	NM_009594	Abl1	11350	c-abl oncogene 1, receptor tyrosine kinase	-1.29	0.68	0.46
A_52_P582609	NM_053187	Gopc	94221	golgi associated PDZ and coiled-coil motif containing	-1.31	0.68	0.44
A_52_P597608	NM_011494	Stk16	20872	serine/threonine kinase 16	-1.23	0.68	0.55
A_51_P352076	NM_008399	Itgae	16407	integrin alpha E, epithelial-associated	-1.33	0.68	0.37
A_51_P510663	NM_178652	Supt3h	109115	suppressor of Ty 3 homolog (S. cerevisiae)	-1.31	0.68	0.44
A_51_P100034	NM_027162	Mif4gd	69674	MIF4G domain containing	-1.08	0.68	1.04
A_52_P1638	NM_139154	Rab40c	224624	Rab40c, member RAS oncogene family	-1.40	0.68	0.28
A_51_P428836	AK014640	Hmgxb4	70823	HMG box domain containing 4	-1.09	0.68	0.97
A_52_P550805	NM_133688	Lym5	67636	LYR motif containing 5	-1.38	0.68	0.30
A_52_P388497	NM_172509	Kctd7	212919	potassium channel tetramerisation domain containing 7	-1.36	0.68	0.34
A_52_P609319	AK020076	Nrip1	268903	nuclear receptor interacting protein 1	-1.07	0.68	1.04
A_52_P298867	NM_001024	Trappc1	245828	trafficking protein particle complex 1	-1.11	0.68	0.91
A_51_P273326	XM_132230	Sec31a	69162	Sec31 homolog A (S. cerevisiae)	-1.34	0.68	0.37
A_51_P482023	NM_013502	Ctbp1	13016	C-terminal binding protein 1	-1.07	0.68	1.04
A_51_P345159	NM_026024	Ube2t	67196	ubiquitin-conjugating enzyme E2T (putative)	-1.10	0.68	0.91
A_52_P441044	AK087489	Rfxap	170767	regulatory factor X-associated protein	-1.30	0.68	0.44
A_51_P289407	BC019404	Spg11	214585	spastic paraplegia 11	-1.23	0.68	0.55
A_51_P454300	NM_009296	Supt4h1	20922	suppressor of Ty 4 homolog 1 (S. cerevisiae)	-1.41	0.68	0.28
A_52_P599238	NM_026274	Rspry1	67610	ring finger and SPRY domain containing 1	-1.26	0.68	0.53
A_52_P123924	NM_177148	NA	NA	NA	-1.30	0.68	0.44

A_52_P680538	AK041853	NA	NA	NA	-1.50	0.68	0.20
A_52_P44061	NM_001030:	Fam193a	231128	family with sequence similarity 193, member A	-1.17	0.68	0.77
A_52_P577910	BC006681	Polb	18970	polymerase (DNA directed), beta	-1.23	0.68	0.58
A_52_P80567	BC057020	Nbas	71169	neuroblastoma amplified sequence	-1.08	0.68	1.04
A_51_P248044	NM_008483	Lamb2	16779	laminin, beta 2	-1.15	0.68	0.82
A_52_P653184	NA	NA	NA	NA	-1.42	0.68	0.27
A_51_P440978	AK047822	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	-1.14	0.68	0.82
A_51_P511800	NM_025909	Oma1	67013	OMA1 homolog, zinc metallopeptidase (<i>S. cerevisiae</i>)	-1.36	0.68	0.34
A_51_P255336	NM_007661	Cdk11b	12537	cyclin-dependent kinase 11B	-1.43	0.68	0.24
A_52_P421133	NM_007533	Bckdha	12039	branched chain ketoacid dehydrogenase E1, alpha polypeptide	-1.37	0.68	0.33
A_51_P466371	NM_008850	Pitpna	18738	phosphatidylinositol transfer protein, alpha	-1.12	0.68	0.86
A_51_P188845	NM_001008:	Adora1	11539	adenosine A1 receptor	-1.12	0.68	0.86
A_52_P143976	NM_134159	Il17rc	171095	interleukin 17 receptor C	-1.56	0.68	0.15
A_51_P408471	NM_026638	Cdipt	52858	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	-1.29	0.68	0.46
A_51_P117664	XM_899121	NA	NA	NA	-1.23	0.68	0.55
A_52_P432169	NA	NA	NA	NA	-1.16	0.68	0.77
A_51_P343252	NM_009842	Cd151	12476	CD151 antigen	-1.51	0.68	0.20
A_52_P373766	NM_025680	Ctnnb1	66642	catenin, beta like 1	-1.09	0.68	0.97
A_51_P127615	NM_009193	Slbp	20492	stem-loop binding protein	-1.40	0.68	0.28
A_51_P261443	NM_011550	Mlx	21428	MAX-like protein X	-1.28	0.68	0.46
A_51_P339232	NM_009228	Snta1	20648	syntrophin, acidic 1	-1.20	0.68	0.67
A_51_P411694	BC023699	Atpgd1	107239	ATP-grasp domain containing 1	-1.46	0.68	0.21
A_52_P490310	NM_183321	BC053749	333193	cDNA sequence BC053749	-1.21	0.68	0.61
A_51_P299934	NM_173022	BC048403	270802	cDNA sequence BC048403	-1.20	0.68	0.61
A_51_P307325	NM_009030	Rbbp4	19646	retinoblastoma binding protein 4	-1.39	0.68	0.28
A_51_P259318	BC027193	Fbrs	14123	fibrosin	-1.08	0.68	0.97
A_52_P446120	NM_001033:	Commd6	66200	COMM domain containing 6	-1.20	0.68	0.67
A_51_P440443	NM_138586	Exosc5	27998	exosome component 5	-1.40	0.68	0.28

A_51_P125935	NM_018804	Syt11	229521	synaptotagmin XI	-1.61	0.68	0.13
A_52_P108023	BC030902	D430042O(	233865	RIKEN cDNA D430042O09 gene	-1.12	0.68	0.86
A_51_P118223	BC061236	Wdr70	545085	WD repeat domain 70	-1.52	0.68	0.18
A_51_P309889	AK169010	2310044H169683		RIKEN cDNA 2310044H10 gene	-1.48	0.68	0.20
A_52_P570006	NM_001025	2700007P2	212772	RIKEN cDNA 2700007P21 gene	-1.18	0.68	0.67
A_52_P123485	NM_025804	Tcf25	66855	transcription factor 25 (basic helix-loop-helix)	-1.30	0.68	0.44
A_51_P159189	NM_010565	Inhbc	16325	inhibin beta-C	-1.16	0.68	0.77
A_52_P1029764	BM200271	NA	NA	NA	-1.28	0.68	0.46
				solute carrier family 1 (high affinity aspartate/glutamate			
A_51_P283016	NM_009200	Slc1a6	20513	transporter), member 6	-1.21	0.68	0.61
A_52_P592835	NM_017469	Gucy1b3	54195	guanylate cyclase 1, soluble, beta 3	-1.11	0.68	0.91
A_52_P202991	NA	NA	NA	NA	-1.08	0.68	1.04
A_51_P217430	NM_023633	2410016O(	71952	RIKEN cDNA 2410016O06 gene	-1.31	0.68	0.44
A_51_P196158	NM_025295	Btd	26363	biotinidase	-1.27	0.68	0.50
A_52_P552665	NM_008057	Fzd7	14369	frizzled homolog 7 (Drosophila)	-1.11	0.68	0.91
A_51_P197850	NM_011629	Nr2c1	22025	nuclear receptor subfamily 2, group C, member 1	-1.19	0.68	0.67
A_51_P122425	NM_007795	Ctf1	13019	cardiotrophin 1	-1.27	0.68	0.50
A_52_P437201	NM_177372	Dna2	327762	DNA replication helicase 2 homolog (yeast)	-1.23	0.68	0.55
A_51_P392529	NM_029748	2510006D1	76799	RIKEN cDNA 2510006D16 gene	-1.37	0.68	0.33
				translocase of outer mitochondrial membrane 40			
A_52_P495318	NM_016871	Tomm40	53333	homolog (yeast)	-1.14	0.68	0.82
A_52_P255833	NM_029502	Cant1	76025	calcium activated nucleotidase 1	-1.50	0.68	0.20
A_52_P72938	AK039096	NA	NA	NA	-1.22	0.68	0.61
A_52_P51355	NM_008855	Prkcb	18751	protein kinase C, beta	-1.55	0.68	0.16
A_51_P269166	NM_021412	Mmp19	58223	matrix metalloproteinase 19	-1.43	0.68	0.24
A_52_P426863	NM_178643	C230052I1	101831	RIKEN cDNA C230052I12 gene	-1.37	0.68	0.33
A_52_P301804	NM_013565	Itga3	16400	integrin alpha 3	-1.36	0.68	0.33
A_51_P517834	AK012806	Thumpd2	72167	THUMP domain containing 2	-1.25	0.68	0.53
A_51_P136303	NM_134127	Cyp4f15	106648	cytochrome P450, family 4, subfamily f, polypeptide 15	-1.29	0.68	0.46
A_52_P172453	AK033182	Usp34	17847	ubiquitin specific peptidase 34	-1.30	0.68	0.44
				leucine zipper-EF-hand containing transmembrane			
A_52_P626101	AK041725	Letm2	270035	protein 2	-1.19	0.68	0.67
A_52_P116384	NM_011678	Usp4	22258	ubiquitin specific peptidase 4 (proto-oncogene)	-1.33	0.68	0.40

A_51_P374383	NM_010261	Rabac1	14470	Rab acceptor 1 (prenylated)	-1.47	0.68	0.20
A_51_P483089	NM_010411	Hdac3	15183	histone deacetylase 3	-1.20	0.68	0.67
A_52_P131490	NM_174874	Atg4b	66615	autophagy-related 4B (yeast)	-1.35	0.68	0.34
A_52_P645632	AK029856	Senp8	71599	SUMO/sentrin specific peptidase 8	-1.52	0.68	0.17
A_51_P345975	NM_022883	Lpin3	64899	lipin 3	-1.28	0.68	0.46
A_52_P408438	NM_021548	Arpp19	59046	cAMP-regulated phosphoprotein 19	-1.09	0.68	0.97
A_51_P177622	NM_025580	Pnkd	56695	paroxysmal nonkinesigenic dyskinesia	-1.48	0.68	0.20
A_51_P120729	NM_027231	Polr2f	69833	polymerase (RNA) II (DNA directed) polypeptide F	-1.15	0.68	0.77
A_52_P311068	BC031202	Plxnb2	140570	plexin B2	-1.31	0.68	0.44
A_52_P576863	NM_025922	ltpa	16434	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	-1.13	0.68	0.86
A_51_P103222	NM_028064	Slc39a4	72027	solute carrier family 39 (zinc transporter), member 4	-1.18	0.68	0.70
A_52_P515840	AK052795	Crk	12928	v-crk sarcoma virus CT10 oncogene homolog (avian)	-1.09	0.68	0.97
A_52_P8386	XM_147419	NA	NA	NA	-1.42	0.68	0.27
A_52_P172441	AK052945	Fitm2	228859	fat storage-inducing transmembrane protein 2	-1.22	0.68	0.58
A_51_P349912	NM_010230	Fmn1	14260	formin 1	-1.27	0.68	0.50
A_51_P165934	NM_008831	Phb	18673	prohibitin	-1.18	0.68	0.67
A_52_P377703	NM_001037	Brms1l	52592	breast cancer metastasis-suppressor 1-like	-1.19	0.68	0.67
A_52_P531175	NM_013902	Fkbp3	30795	FK506 binding protein 3	-1.14	0.68	0.82
A_51_P414927	NM_027388	Pigw	70325	phosphatidylinositol glycan anchor biosynthesis, class W	-1.12	0.68	0.86
A_52_P669451	AK135586	NA	NA	NA	-1.14	0.68	0.82
A_51_P419364	NM_007522	Bad	12015	BCL2-associated agonist of cell death	-1.48	0.68	0.20
A_51_P357685	NM_026987	Dhx16	69192	DEAH (Asp-Glu-Ala-His) box polypeptide 16	-1.26	0.68	0.50
A_52_P94454	BC067003	Trpc2	22064	transient receptor potential cation channel, subfamily C, member 2	-1.45	0.68	0.22
A_52_P104782	NM_025784	Bcs1l	66821	BCS1-like (yeast)	-1.38	0.68	0.30
A_51_P356536	AK020330	9230110I0; 77698	9230110I02	RIKEN cDNA 9230110I02 gene	-1.49	0.68	0.20
A_51_P308254	NM_013678	Surf2	20931	surfeit gene 2	-1.28	0.68	0.50
A_51_P226364	NM_026618	Ccdc56	52469	coiled-coil domain containing 56	-1.25	0.68	0.53

				solute carrier family 39 (metal ion transporter), member			
A_52_P485939	NM_026228	Slc39a8	67547	8	-1.22	0.68	0.58
A_52_P80391	NM_033072	Mbd6	110962	methyl-CpG binding domain protein 6	-1.62	0.68	0.12
A_51_P323174	NM_178017	Hmgxb4	70823	HMG box domain containing 4	-1.16	0.68	0.77
A_51_P414837	NM_007983	Faf1	14084	Fas-associated factor 1	-1.31	0.68	0.40
A_51_P211152	AK003209	Phf14	75725	PHD finger protein 14	-1.47	0.68	0.20
A_52_P315483	BC013711	Dgcr14	27886	DiGeorge syndrome critical region gene 14	-1.14	0.68	0.82
A_52_P558699	NM_211355	Smek1	68734	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	-1.54	0.68	0.16
A_51_P324442	NM_172470	Wdr35	74682	WD repeat domain 35	-1.35	0.68	0.34
A_51_P489887	NM_025491	Susd3	66329	sushi domain containing 3	-1.33	0.68	0.37
A_51_P212427	NM_010681	Lama4	16775	laminin, alpha 4	-1.19	0.68	0.67
A_51_P239693	AK021284	Mll5	69188	myeloid/lymphoid or mixed-lineage leukemia 5	-1.30	0.68	0.44
A_52_P542645	AK032822	Itga9	104099	integrin alpha 9	-1.40	0.68	0.28
A_51_P225981	NM_144842	Zmym5	219105	zinc finger, MYM-type 5	-1.13	0.68	0.86
A_51_P284741	NA	NA	NA	NA	-1.40	0.68	0.28
A_51_P498132	NM_008297	Hsf2	15500	heat shock factor 2	-1.45	0.68	0.22
A_52_P900176	AK085158	NA	NA	NA	-1.27	0.68	0.50
A_51_P104430	NM_053201	Magee1	107528	melanoma antigen, family E, 1	-1.20	0.68	0.61
A_52_P161361	NM_001025	NA	NA	NA	-1.29	0.68	0.46
				Smg-5 homolog, nonsense mediated mRNA decay factor			
A_51_P365399	NM_178246	Smg5	229512	(C. elegans)	-1.42	0.68	0.27
A_51_P456398	NM_020050	Tmem9b	56786	TMEM9 domain family, member B	-1.30	0.67	0.44
A_51_P141836	NM_133907	Ube3c	100763	ubiquitin protein ligase E3C	-1.38	0.67	0.30
A_51_P257619	NM_133250	Mutyh	70603	mutY homolog (E. coli)	-1.34	0.67	0.37
A_51_P415809	NM_026954	Tusc1	69136	tumor suppressor candidate 1	-1.26	0.67	0.53
A_52_P228932	NM_030678	Gys1	14936	glycogen synthase 1, muscle	-1.51	0.67	0.18
				transient receptor potential cation channel, subfamily C,			
A_52_P427484	NM_019828	Trpc4ap	56407	member 4 associated protein	-1.49	0.67	0.20
A_51_P380875	NM_007790	Smc3	13006	structural maintenance of chromosomes 3	-1.25	0.67	0.55
				phosphatidic acid phosphatase type 2 domain			
A_52_P8766	NM_028922	Ppapdc2	74411	containing 2	-1.28	0.67	0.46
A_52_P1139491	AK019832	4930588G	78817	RIKEN cDNA 4930588G05 gene	-1.10	0.67	0.91
A_52_P875598	AK047419	NA	NA	NA	-1.47	0.67	0.21

A_51_P315101	NM_025656	Sip1	66603	survival of motor neuron protein interacting protein 1	-1.37	0.67	0.33
A_51_P132081	NM_001013	Rsl1	380855	regulator of sex limited protein 1	-1.33	0.67	0.37
A_52_P439745	XM_001006	NA	NA	NA	-1.29	0.67	0.46
A_52_P258266	AK038230	NA	NA	NA	-1.48	0.67	0.20
A_52_P1188723	AK086376	Caprin1	53872	cell cycle associated protein 1	-1.20	0.67	0.67
A_52_P340079	NM_172566	Rundc1	217201	RUN domain containing 1	-1.46	0.67	0.21
A_52_P30920	NM_013761	Srr	27364	serine racemase	-1.45	0.67	0.22
A_51_P399217	NM_024464	Pigx	72084	phosphatidylinositol glycan anchor biosynthesis, class X ATP synthase, H ⁺ transporting, mitochondrial F1	-1.38	0.67	0.30
A_51_P362054	NM_025983	Atp5e	67126	complex, epsilon subunit	-1.36	0.67	0.34
A_51_P272586	NM_027727	Dym	69190	dymeclin	-1.27	0.67	0.50
A_52_P408826	AK079287	9530083O1319610	1319610	RIKEN cDNA 9530083O12 gene	-1.23	0.67	0.58
A_51_P482464	NM_009352	Terf1	21749	telomeric repeat binding factor 1	-1.44	0.67	0.22
A_52_P672722	NM_198011	E430018J2:101604	101604	RIKEN cDNA E430018J23 gene	-1.30	0.67	0.44
A_52_P297773	BC055394	Ugg2	66435	UDP-glucose glycoprotein glucosyltransferase 2	-1.46	0.67	0.22
A_52_P406419	NM_009730	Atrn	11990	attractin	-1.16	0.67	0.77
A_52_P11959	NM_153151	Acat3	224530	acetyl-Coenzyme A acetyltransferase 3	-1.08	0.67	1.04
A_52_P597726	NM_201372	Ccdc84	382073	coiled-coil domain containing 84	-1.33	0.67	0.40
A_52_P670263	BC036146	Tfpi	21788	tissue factor pathway inhibitor	-1.20	0.67	0.67
A_51_P123623	NM_207232	Ptpdc1	218232	protein tyrosine phosphatase domain containing 1	-1.38	0.67	0.33
A_52_P293248	AK049953	Dock4	238130	dedicator of cytokinesis 4 Williams Beuren syndrome chromosome region 27	-1.23	0.67	0.58
A_52_P428725	NM_024479	Wbscr27	79565	(human)	-1.26	0.67	0.53
A_52_P257377	NA	NA	NA	NA	-1.43	0.67	0.24
A_52_P234087	AK053336	Tek	21687	endothelial-specific receptor tyrosine kinase	-1.30	0.67	0.44
A_52_P547538	NM_007626	Cbx5	12419	chromobox homolog 5 (Drosophila HP1a)	-1.30	0.67	0.44
A_51_P104718	NM_001010	Gpr12	14738	G-protein coupled receptor 12	-1.33	0.67	0.40
A_51_P399625	NM_009919	Cnih	12793	cornichon homolog (Drosophila)	-1.43	0.67	0.24
A_52_P105374	XM_001000	NA	NA	NA	-1.15	0.67	0.82
A_51_P212023	NM_016926	Sart3	53890	squamous cell carcinoma antigen recognized by T-cells 3	-1.25	0.67	0.53

A_51_P327904	NM_145550	Yipf1	230584	Yip1 domain family, member 1	-1.33	0.67	0.37
A_52_P321342	NM_028785	Dock8	76088	dedicator of cytokinesis 8	-1.30	0.67	0.44
A_51_P353502	NM_025340	Sharpin	106025	SHANK-associated RH domain interacting protein	-1.47	0.67	0.20
A_52_P36256	NA	NA	NA	NA	-1.33	0.67	0.40
				haloacid dehalogenase-like hydrolase domain			
A_52_P450675	NM_001039:	Hdhd2	76987	containing 2	-1.21	0.67	0.61
A_52_P932234	AK079244	NA	NA	NA	-1.38	0.67	0.30
A_52_P234159	NM_177124	Tnrc6b	213988	trinucleotide repeat containing 6b	-1.28	0.67	0.46
A_52_P115845	XM_902782	NA	NA	NA	-1.20	0.67	0.61
A_52_P45596	L25761	Ephb4	13846	Eph receptor B4	-1.32	0.67	0.40
A_51_P198775	NM_201364	BC055324	381306	cDNA sequence BC055324	-1.23	0.67	0.58
A_51_P496780	NM_175016	Alkbh2	231642	alkB, alkylation repair homolog 2 (E. coli)	-1.13	0.67	0.82
A_51_P254912	NM_020022	Rfc2	19718	replication factor C (activator 1) 2	-1.32	0.67	0.40
A_52_P223407	AK135623	Mrpl35	66223	mitochondrial ribosomal protein L35	-1.28	0.67	0.50
A_52_P297398	NM_001039:	Bicd2	76895	bicaudal D homolog 2 (Drosophila)	-1.31	0.67	0.44
A_51_P156800	NM_028308	2700078K2	101513	RIKEN cDNA 2700078K21 gene	-1.57	0.67	0.15
A_52_P35304	NM_007692	Chkb	12651	choline kinase beta	-1.28	0.67	0.50
A_52_P30497	NM_007872	Dnmt3a	13435	DNA methyltransferase 3A	-1.40	0.67	0.28
A_52_P793384	BC065397	BC065397	436230	cDNA sequence BC065397	-1.28	0.67	0.46
A_52_P82488	NM_021476	Cysltr1	58861	cysteinyl leukotriene receptor 1	-1.59	0.67	0.14
A_51_P361049	NM_025370	1110018J1:	66129	RIKEN cDNA 1110018J18 gene	-1.26	0.67	0.53
A_52_P237451	NM_024213	Anapc4	52206	anaphase promoting complex subunit 4	-1.22	0.67	0.58
A_51_P158814	XM_994605	NA	NA	NA	-1.25	0.67	0.55
A_51_P176231	AK051663	Stox2	71069	storkhead box 2	-1.36	0.67	0.34
A_52_P50959	NM_139291	Cdc26	66440	cell division cycle 26	-1.21	0.67	0.61
A_51_P413698	NM_025570	Mrpl20	66448	mitochondrial ribosomal protein L20	-1.09	0.67	0.97
A_52_P645637	AK029856	Senp8	71599	SUMO/sentrin specific peptidase 8	-1.23	0.67	0.55
A_52_P107674	AK019871	Rbm4b	66704	RNA binding motif protein 4B	-1.19	0.67	0.67
A_51_P172441	NM_198303	Eif5b	226982	eukaryotic translation initiation factor 5B	-1.18	0.67	0.67
A_51_P364185	XM_486062	NA	NA	NA	-1.22	0.67	0.61
				CTD (carboxy-terminal domain, RNA polymerase II,			
A_51_P237076	NM_146012	Ctdsp2	52468	polypeptide A) small phosphatase 2	-1.13	0.67	0.86
A_51_P262228	NM_145466	A2ld1	223267	AIG2-like domain 1	-1.58	0.67	0.15

A_52_P24783	NM_175310	Pds5b	100710	PDS5, regulator of cohesion maintenance, homolog B (<i>S. cerevisiae</i>)	-1.31	0.67	0.44
A_51_P250358	NM_177806	Prpf39	328110	PRP39 pre-mRNA processing factor 39 homolog (yeast)	-1.25	0.67	0.55
A_51_P186118	NM_024201	Ccdc127	67433	coiled-coil domain containing 127	-1.22	0.67	0.58
A_52_P14600	AK144191	Cd72	12517	CD72 antigen	-1.18	0.67	0.67
A_52_P290221	AK032094	Zfp182	319535	zinc finger protein 182	-1.28	0.67	0.46
A_51_P275845	NM_025999	Rnf141	67150	ring finger protein 141	-1.15	0.67	0.82
A_52_P47006	AK161013	Mre11a	17535	meiotic recombination 11 homolog A (<i>S. cerevisiae</i>)	-1.14	0.67	0.82
A_51_P115886	NM_026655	2310057M	68277	RIKEN cDNA 2310057M21 gene	-1.23	0.67	0.58
A_51_P168171	NM_024168	Tsen34	66078	tRNA splicing endonuclease 34 homolog (<i>S. cerevisiae</i>)	-1.44	0.67	0.22
A_52_P664593	NM_146137	Amigo1	229715	adhesion molecule with Ig like domain 1	-1.55	0.67	0.16
A_52_P201912	AK158109	1190007F0	68859	RIKEN cDNA 1190007F08 gene	-1.10	0.67	0.91
A_51_P189334	NA	NA	NA	NA	-1.26	0.67	0.53
A_51_P425373	NM_028047	1500002O2	71997	RIKEN cDNA 1500002O20 gene	-1.21	0.67	0.61
A_52_P32683	XM_001002	NA	NA	NA	-1.12	0.67	0.86
A_51_P146407	NM_138598	D11Wsu99	28081	DNA segment, Chr 11, Wayne State University 99, expressed	-1.41	0.67	0.27
A_51_P310949	NM_008911	Ppox	19044	protoporphyrinogen oxidase	-1.15	0.67	0.77
A_52_P172619	NM_053207	Egln1	112405	EGL nine homolog 1 (<i>C. elegans</i>)	-1.23	0.67	0.58
A_52_P669145	NM_001005	Hps5	246694	Hermansky-Pudlak syndrome 5 homolog (human) proteasome (prosome, macropain) 26S subunit, non-	-1.17	0.67	0.70
A_51_P207962	NM_008951	Psmd4	19185	ATPase, 4	-1.59	0.67	0.14
A_51_P314830	NM_011306	Rxrb	20182	retinoid X receptor beta	-1.14	0.67	0.82
A_52_P580483	NM_021419	Rnf8	58230	ring finger protein 8	-1.42	0.67	0.27
A_51_P414320	NM_181048	A130010J1	319266	RIKEN cDNA A130010J15 gene	-1.26	0.67	0.53
A_52_P973126	AI553296	NA	NA	NA	-1.34	0.67	0.37
A_51_P439520	AK054000	Pacs2	217893	phosphofurin acidic cluster sorting protein 2	-1.34	0.67	0.37
A_52_P442852	NM_001024	Kbtbd7	211255	kelch repeat and BTB (POZ) domain containing 7	-1.07	0.67	1.04
A_51_P485043	NM_008302	Hsp90ab1	15516	heat shock protein 90 alpha (cytosolic), class B member 1	-1.20	0.67	0.67

A_51_P154933	NM_133967	Zdhhc7	102193	zinc finger, DHHC domain containing 7	-1.36	0.67	0.34
A_51_P381506	NM_172145	Fam176b	230752	family with sequence similarity 176, member B	-1.57	0.67	0.15
A_51_P320786	NM_019726	Gps2	56310	G protein pathway suppressor 2	-1.29	0.67	0.46
A_51_P285844	NM_011680	Usf2	22282	upstream transcription factor 2	-1.36	0.67	0.34
A_52_P49457	XM_913601	NA	NA	NA	-1.45	0.67	0.22
A_52_P134556	NM_027353	Cd2bp2	70233	CD2 antigen (cytoplasmic tail) binding protein 2	-1.24	0.67	0.55
A_52_P333953	NM_009594	Abl1	11350	c-abl oncogene 1, receptor tyrosine kinase	-1.12	0.67	0.86
A_52_P128818	NM_172407	Cdkn2aip	70925	CDKN2A interacting protein	-1.09	0.67	0.97
A_52_P217329	AK016722	4933407H171101		RIKEN cDNA 4933407H18 gene	-1.16	0.67	0.77
A_51_P314763	NM_011231	Rabggtb	19352	RAB geranylgeranyl transferase, b subunit	-1.25	0.67	0.53
A_51_P426943	NM_018855	Gas8	104346	growth arrest specific 8	-1.33	0.67	0.40
A_51_P518298	BC072613	Rnf187	108660	ring finger protein 187	-1.37	0.67	0.33
A_51_P186552	NM_175454	C630004HC	217310	RIKEN cDNA C630004H02 gene	-1.24	0.67	0.55
A_51_P374453	NM_145370	Gps1	209318	G protein pathway suppressor 1	-1.33	0.67	0.37
A_52_P803668	AK137981	2810021B0	66308	RIKEN cDNA 2810021B07 gene	-1.18	0.67	0.70
				mannoside acetylglucosaminyltransferase 4, isoenzyme			
A_52_P337220	NM_145926	Mgat4b	103534	B	-1.49	0.67	0.20
A_52_P536015	NM_145404	Prmt7	214572	protein arginine N-methyltransferase 7	-1.30	0.67	0.44
A_51_P405985	NM_133999	Fig4	103199	FIG4 homolog (<i>S. cerevisiae</i>)	-1.30	0.67	0.44
A_52_P981301	NA	NA	NA	NA	-1.29	0.67	0.46
A_52_P465521	NA	NA	NA	NA	-1.12	0.67	0.86
A_51_P185103	NM_024428	Dpy30	66310	dpy-30 homolog (<i>C. elegans</i>)	-1.29	0.67	0.46
A_51_P242345	NM_146193	Btbd1	83962	BTB (POZ) domain containing 1	-1.51	0.67	0.18
A_51_P116581	NM_138603	Ccdc22	54638	coiled-coil domain containing 22	-1.31	0.67	0.44
A_51_P324651	AK013763	Lphn1	330814	latrophilin 1	-1.35	0.67	0.34
A_52_P375845	NM_026666	Ubn1	170644	ubiquitin 1	-1.22	0.67	0.58
A_51_P227826	NM_016794	Vamp8	22320	vesicle-associated membrane protein 8	-1.54	0.67	0.16
A_52_P318053	NA	NA	NA	NA	-1.20	0.67	0.61
A_52_P598634	AK045413	1190007I0	544717	RIKEN cDNA 1190007I07 gene	-1.37	0.67	0.33
A_52_P500351	NM_016753	Lxn	17035	latexin	-1.43	0.67	0.24
				inosine triphosphatase (nucleoside triphosphate			
A_52_P455404	NM_025922	ltpa	16434	pyrophosphatase)	-1.15	0.67	0.82
A_52_P488488	AK020759	A430103D1	77775	RIKEN cDNA A430103D13 gene	-1.46	0.67	0.21
A_52_P436447	NM_028048	Slc25a35	71998	solute carrier family 25, member 35	-1.40	0.67	0.28

A_52_P231635	NM_027695	Oxsm	71147	3-oxoacyl-ACP synthase, mitochondrial	-1.28	0.67	0.46
A_51_P260639	NM_028811	Elp3	74195	elongation protein 3 homolog (<i>S. cerevisiae</i>)	-1.36	0.67	0.33
A_51_P520690	NM_008925	Prkcsh	19089	protein kinase C substrate 80K-H	-1.21	0.67	0.61
A_51_P374190	NM_212473	Fam53b	77938	family with sequence similarity 53, member B	-1.27	0.67	0.50
A_52_P378452	AK170049	Tex261	21766	testis expressed gene 261	-1.50	0.67	0.20
A_52_P652289	AK032921	NA	NA	NA	-1.34	0.67	0.37
A_52_P136138	NM_010191	Fdft1	14137	farnesyl diphosphate farnesyl transferase 1	-1.23	0.67	0.58
A_52_P608318	NM_019640	Pitpnb	56305	phosphatidylinositol transfer protein, beta	-1.27	0.67	0.50
A_52_P516059	NM_011585	Tia1	21841	cytotoxic granule-associated RNA binding protein 1	-1.52	0.67	0.18
A_51_P329490	AK136770	Slc25a40	319653	solute carrier family 25, member 40 eosinophil-associated, ribonuclease A family, member	-1.45	0.67	0.22
A_51_P268535	NM_053112	Ear10	93725	10	-1.21	0.67	0.61
A_52_P134146	NM_001076	1810012P1	66274	RIKEN cDNA 1810012P15 gene	-1.25	0.67	0.55
A_52_P134141	NM_025574	Pigy	66459	phosphatidylinositol glycan anchor biosynthesis, class Y	-1.19	0.67	0.67
A_52_P652671	NM_019424	Hps1	192236	Hermansky-Pudlak syndrome 1 homolog (human)	-1.30	0.67	0.44
A_51_P357422	NM_025556	2410022L0	66423	RIKEN cDNA 2410022L05 gene	-1.27	0.67	0.50
A_51_P392134	NM_080560	Ube2n	93765	ubiquitin-conjugating enzyme E2N	-1.40	0.67	0.28
A_51_P435858	NA	NA	NA	NA	-1.09	0.67	0.97
A_52_P448236	NM_029281	Zfp820	75424	zinc finger protein 820	-1.23	0.67	0.58
A_52_P500488	BC052715	Lars	107045	leucyl-tRNA synthetase	-1.17	0.67	0.70
A_51_P425642	NM_019518	Grasp	56149	GRP1 (general receptor for phosphoinositides 1)- associated scaffold protein	-1.19	0.67	0.67
A_52_P516	NM_001038	Smurf1	75788	SMAD specific E3 ubiquitin protein ligase 1	-1.14	0.67	0.82
A_51_P321086	NM_025275	Amz2	13929	archaelysin family metallopeptidase 2	-1.13	0.67	0.86
A_52_P460977	NA	NA	NA	NA	-1.30	0.67	0.44
A_52_P3825	NM_028119	Ddb2	107986	damage specific DNA binding protein 2	-1.08	0.67	1.04
A_51_P168792	NM_001033	Xylb	102448	xylulokinase homolog (<i>H. influenzae</i>)	-1.42	0.67	0.27
A_52_P317040	NM_145537	Edem2	108687	ER degradation enhancer, mannosidase alpha-like 2	-1.07	0.67	1.04
A_52_P601980	NM_152895	Kdm5b	75605	lysine (K)-specific demethylase 5B	-1.33	0.67	0.40
A_52_P323215	NM_019570	Rev1	56210	REV1 homolog (<i>S. cerevisiae</i>)	-1.37	0.67	0.33

A_52_P362381	NM_024180	Ormdl2	66844	ORM1-like 2 (<i>S. cerevisiae</i>)	-1.51	0.67	0.18
A_51_P488121	NM_001033	Agap2	216439	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	-1.25	0.67	0.53
A_51_P261146	NM_010716	Lig3	16882	ligase III, DNA, ATP-dependent mediator of RNA polymerase II transcription, subunit 25	-1.31	0.67	0.44
A_51_P392861	NM_029365	Med25	75613	homolog (yeast)	-1.52	0.67	0.17
A_52_P684642	NM_178910	Ankmy2	217473	ankyrin repeat and MYND domain containing 2	-1.32	0.67	0.40
A_51_P249313	NM_028705	Herc3	73998	hect domain and RLD 3	-1.31	0.67	0.44
A_51_P433338	NM_053180	Cdk20	105278	cyclin-dependent kinase 20	-1.14	0.67	0.82
A_51_P200667	NM_053155	Clmn	94040	calmin	-1.11	0.67	0.91
A_52_P48546	NM_026259	Rnf41	67588	ring finger protein 41	-1.15	0.67	0.82
A_51_P250832	NM_139236	Nol6	230082	nucleolar protein family 6 (RNA-associated)	-1.20	0.67	0.61
A_52_P589119	NM_197981	593041611	72440	RIKEN cDNA 5930416119 gene	-1.51	0.67	0.18
A_51_P268559	NM_029573	Idh3a	67834	isocitrate dehydrogenase 3 (NAD+) alpha	-1.20	0.67	0.67
A_51_P495171	NM_026312	2610029G2	67683	RIKEN cDNA 2610029G23 gene	-1.23	0.67	0.58
A_52_P581239	NA	NA	NA	NA	-1.48	0.67	0.20
A_52_P231079	NM_144521	Snap47	67826	synaptosomal-associated protein, 47	-1.16	0.66	0.77
A_51_P285323	NM_175265	6720463M	77744	RIKEN cDNA 6720463M24 gene	-1.33	0.66	0.40
A_51_P171557	NM_145412	Chtf8	214987	CTF8, chromosome transmission fidelity factor 8 homolog (<i>S. cerevisiae</i>)	-1.46	0.66	0.22
A_52_P229320	BC060140	Rptor	74370	regulatory associated protein of MTOR, complex 1	-1.67	0.66	0.10
A_52_P594768	NM_009698	Aprt	11821	adenine phosphoribosyl transferase	-1.28	0.66	0.50
A_52_P283524	NM_022980	Rcan3	53902	regulator of calcineurin 3	-1.42	0.66	0.27
A_51_P485899	NM_001078	Sfrs1	110809	splicing factor, arginine/serine-rich 1 (ASF/SF2)	-1.41	0.66	0.27
A_51_P106259	NM_133926	Camk1	52163	calcium/calmodulin-dependent protein kinase I	-1.66	0.66	0.10
A_52_P527400	NM_206882	Hist3h2bb	382522	histone cluster 3, H2bb	-1.16	0.66	0.77
A_51_P225506	NM_026383	Pnrc2	52830	proline-rich nuclear receptor coactivator 2	-1.20	0.66	0.61
A_51_P136888	NM_009029	Rb1	19645	retinoblastoma 1	-1.46	0.66	0.21
A_51_P405970	AK147241	Trrap	100683	transformation/transcription domain-associated protein	-1.53	0.66	0.17
A_51_P348548	NM_012029	Ecsit	26940	ECSIT homolog (<i>Drosophila</i>)	-1.53	0.66	0.17
A_52_P183432	NM_001039	Pofut1	140484	protein O-fucosyltransferase 1	-1.39	0.66	0.30
A_52_P97489	AK080954	Eif2c1	236511	eukaryotic translation initiation factor 2C, 1	-1.10	0.66	0.91

A_51_P249360	NM_173733	Suox	211389	sulfite oxidase	-1.46	0.66	0.21
A_51_P105241	NM_028888	4931428F0	74356	RIKEN cDNA 4931428F04 gene	-1.53	0.66	0.17
A_52_P461378	NM_027154	Tmbim1	69660	transmembrane BAX inhibitor motif containing 1	-1.40	0.66	0.28
A_52_P381958	BC067002	4632419I2	74038	RIKEN cDNA 4632419I22 gene	-1.24	0.66	0.55
A_51_P334199	NM_010143	Ephb3	13845	Eph receptor B3	-1.24	0.66	0.55
A_52_P841474	AV264460	NA	NA	NA	-1.63	0.66	0.12
A_51_P475502	NA	NA	NA	NA	-1.13	0.66	0.86
A_51_P362209	NM_178377	Commd10	69456	COMM domain containing 10	-1.40	0.66	0.28
A_51_P472518	NM_007600	Capn1	12333	calpain 1	-1.36	0.66	0.34
A_51_P500313	NM_013853	Abcf2	27407	ATP-binding cassette, sub-family F (GCN20), member 2	-1.41	0.66	0.27
A_51_P409761	NM_001048	2810008M	75616	RIKEN cDNA 2810008M24 gene	-1.34	0.66	0.37
A_51_P359813	NM_027874	Csnk1d	104318	casein kinase 1, delta	-1.29	0.66	0.46
A_52_P510062	AK038230	NA	NA	NA	-1.47	0.66	0.20
A_51_P321405	NM_026714	Ccdc163	68394	coiled-coil domain containing 163	-1.38	0.66	0.30
A_51_P278184	NM_172558	Gemin5	216766	gem (nuclear organelle) associated protein 5	-1.20	0.66	0.67
A_52_P476699	NM_177367	Gemin4	276919	gem (nuclear organelle) associated protein 4	-1.23	0.66	0.58
A_51_P175069	NM_172619	Adamts10	224697	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 10	-1.31	0.66	0.44
A_51_P385370	NM_001033	Prickle1	106042	prickle homolog 1 (Drosophila)	-1.08	0.66	1.04
A_51_P487678	NM_025772	Dtnbp1	94245	dystrobrevin binding protein 1	-1.49	0.66	0.20
A_51_P222558	NM_030074	Zfp687	78266	zinc finger protein 687	-1.16	0.66	0.77
A_51_P125316	AK003718	Hipk2	15258	homeodomain interacting protein kinase 2	-1.70	0.66	0.09
A_51_P221072	NM_175425	C1qtnf7	109323	C1q and tumor necrosis factor related protein 7	-1.29	0.66	0.46
A_52_P233801	NM_001077	Dysf	26903	dysferlin	-1.43	0.66	0.24
A_51_P485683	NM_025960	Trappc6a	67091	trafficking protein particle complex 6A	-1.56	0.66	0.15
A_52_P190921	AK032508	Eif2ak1	15467	eukaryotic translation initiation factor 2 alpha kinase 1	-1.41	0.66	0.27
A_52_P600824	NA	NA	NA	NA	-1.08	0.66	1.04
A_51_P351394	NM_013841	Vps45	22365	vacuolar protein sorting 45 (yeast)	-1.24	0.66	0.55
A_51_P166023	NM_146001	Hip1	215114	huntingtin interacting protein 1	-1.65	0.66	0.11
A_51_P515452	NM_019873	Fkbp1	56299	FK506 binding protein-like	-1.22	0.66	0.58
A_52_P659417	NM_175300	Anapc2	99152	anaphase promoting complex subunit 2	-1.53	0.66	0.17

A_52_P820923	CO811088	NA	NA	NA	-1.15	0.66	0.82
A_51_P174773	NM_026063	2900010M	67267	RIKEN cDNA 2900010M23 gene	-1.27	0.66	0.50
A_51_P479894	NM_018813	Cpsf3	54451	cleavage and polyadenylation specificity factor 3	-1.37	0.66	0.33
A_51_P145735	NM_025421	Acyp1	66204	acylphosphatase 1, erythrocyte (common) type	-1.19	0.66	0.67
A_51_P319732	NM_020560	Mrps31	57312	mitochondrial ribosomal protein S31	-1.48	0.66	0.20
A_52_P500244	NM_009730	Atrn	11990	attractin	-1.18	0.66	0.70
A_52_P6505	NM_026721	Slc39a13	68427	solute carrier family 39 (metal ion transporter), member 13	-1.11	0.66	0.91
A_52_P450808	NM_013865	Ndrp3	29812	N-myc downstream regulated gene 3	-1.28	0.66	0.46
A_52_P604526	NM_026490	Mrpl19	56284	mitochondrial ribosomal protein L19	-1.31	0.66	0.44
A_52_P397936	AK077745	Fam113a	319513	family with sequence similarity 113, member A	-1.45	0.66	0.22
A_52_P476877	NM_001024	Rfx4	71137	regulatory factor X, 4 (influences HLA class II expression)	-1.56	0.66	0.15
A_52_P119792	NM_145624	Zfp709	236193	zinc finger protein 709	-1.15	0.66	0.82
A_51_P327021	NM_028356	Zbtb25	109929	zinc finger and BTB domain containing 25	-1.38	0.66	0.30
A_52_P291971	NM_025303	Stau2	29819	stau2 (RNA binding protein) homolog 2 (Drosophila)	-1.19	0.66	0.67
A_51_P369628	NM_133949	Ptov1	84113	prostate tumor over expressed gene 1	-1.38	0.66	0.33
A_51_P331870	NM_028862	Rnf145	74315	ring finger protein 145	-1.27	0.66	0.50
A_52_P10664	NM_172405	Fam175a	70681	family with sequence similarity 175, member A	-1.13	0.66	0.86
A_52_P409055	BC078641	Dcaf8	98193	DDB1 and CUL4 associated factor 8	-1.30	0.66	0.44
A_52_P528463	NM_027122	Mfsd3	69572	major facilitator superfamily domain containing 3	-1.27	0.66	0.50
A_51_P165237	NM_029068	Snx16	74718	sorting nexin 16	-1.31	0.66	0.44
A_51_P156274	NM_010736	Ltbr	17000	lymphotoxin B receptor	-1.53	0.66	0.17
A_51_P104960	NM_008947	Psmc1	19179	protease (prosome, macropain) 26S subunit, ATPase 1	-1.55	0.66	0.16
A_52_P46419	NM_001038	Grk6	26385	G protein-coupled receptor kinase 6	-1.63	0.66	0.11
A_51_P450632	NM_013700	Usp5	22225	ubiquitin specific peptidase 5 (isopeptidase T)	-1.53	0.66	0.17
A_52_P6045	NM_029522	Gpsm2	76123	G-protein signalling modulator 2 (AGS3-like, C. elegans)	-1.14	0.66	0.82
A_51_P434483	NM_008281	Hpn	15451	hepsin	-1.46	0.66	0.21
A_52_P581440	NM_153423	Wasf2	242687	WAS protein family, member 2	-1.22	0.66	0.58
A_52_P835189	AK042010	NA	NA	NA	-1.55	0.66	0.16
A_51_P516637	NM_007555	Bmp5	12160	bone morphogenetic protein 5	-1.32	0.66	0.40

A_51_P384618	NM_026144	Dhdds	67422	dehydrodolichyl diphosphate synthase	-1.35	0.66	0.34
A_51_P114002	AK002213	Gstm7	68312	glutathione S-transferase, mu 7	-1.26	0.66	0.50
A_52_P147903	NM_178709	Rnf214	235315	ring finger protein 214	-1.43	0.66	0.24
A_52_P110088	NM_023247	Ndufaf3	66706	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3	-1.28	0.66	0.50
A_52_P340480	NM_175662	Hist2h2ac	319176	histone cluster 2, H2ac	-1.32	0.66	0.40
A_51_P433843	NM_001033	Slc22a23	73102	solute carrier family 22, member 23	-1.34	0.66	0.37
A_51_P278550	NM_134118	Tecr	106529	trans-2,3-enoyl-CoA reductase	-1.24	0.66	0.55
A_51_P519364	NM_145986	Fam83f	213956	family with sequence similarity 83, member F	-1.15	0.66	0.77
A_51_P410892	NM_026065	D10Ert32	67270	DNA segment, Chr 10, ERATO Doi 322, expressed	-1.45	0.66	0.22
A_52_P111397	NM_011062	Pdpk1	18607	3-phosphoinositide dependent protein kinase-1	-1.37	0.66	0.33
A_52_P98100	AK161732	Dcxr	67880	dicarbonyl L-xylulose reductase	-1.37	0.66	0.33
A_51_P227022	NM_019428	Rpp30	54364	ribonuclease P/MRP 30 subunit (human)	-1.23	0.66	0.55
A_51_P250017	XM_485258	NA	NA	NA	-1.39	0.66	0.30
A_52_P584975	NM_134002	Csnk1g2	103236	casein kinase 1, gamma 2	-1.44	0.66	0.24
A_51_P265660	NM_008017	Smc2	14211	structural maintenance of chromosomes 2	-1.08	0.66	1.04
A_51_P203800	NM_172691	B230312A2	230088	RIKEN cDNA B230312A22 gene	-1.12	0.66	0.86
A_51_P166044	NM_011757	Zscan21	22697	zinc finger and SCAN domain containing 21	-1.23	0.66	0.55
A_51_P123705	NM_144858	Dus3l	224907	dihydrouridine synthase 3-like (S. cerevisiae)	-1.15	0.66	0.82
A_52_P661587	NM_001025	2610301F0	545428	RIKEN cDNA 2610301F02 gene	-1.53	0.66	0.17
A_51_P202050	NM_008052	Dtx1	14357	deltex 1 homolog (Drosophila)	-1.45	0.66	0.22
A_52_P150294	AK009884	Jkamp	104771	JNK1/MAPK8-associated membrane protein	-1.53	0.66	0.17
A_51_P368496	NM_029537	Tmem98	103743	transmembrane protein 98	-1.08	0.66	1.04
A_51_P389864	NM_178879	B3gnt9	97440	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	-1.47	0.66	0.21
A_51_P401683	NM_145375	Tm6sf1	107769	transmembrane 6 superfamily member 1	-1.48	0.66	0.20
A_51_P196509	NM_023900	Plekhj1	78670	pleckstrin homology domain containing, family J member 1	-1.44	0.66	0.22
A_52_P337679	NM_007597	Canx	12330	calnexin	-1.33	0.66	0.40
A_51_P452153	NM_027222	2010001M0	69816	RIKEN cDNA 2010001M09 gene	-1.50	0.66	0.20
A_52_P330950	NM_174847	C2cd2	207781	C2 calcium-dependent domain containing 2	-1.20	0.66	0.61
A_52_P231847	NM_145949	Ido2	209176	indoleamine 2,3-dioxygenase 2	-1.31	0.66	0.44
A_52_P183979	NM_027532	3200002M	75430	RIKEN cDNA 3200002M19 gene	-1.35	0.66	0.34

A_51_P201971	NM_030241	Setd8	67956	SET domain containing (lysine methyltransferase) 8	-1.20	0.66	0.67
A_51_P205481	NM_144843	Mtmr6	219135	myotubularin related protein 6	-1.46	0.66	0.22
A_51_P147714	NM_172755	Sfrs14	234373	splicing factor, arginine/serine-rich 14	-1.33	0.66	0.40
A_51_P390078	U34973	Styx	56291	serine/threonine/tyrosine interaction protein	-1.30	0.66	0.44
A_51_P412846	NM_028889	Efhd1	98363	EF hand domain containing 1	-1.48	0.66	0.20
A_51_P101086	NM_027007	Zfp397	69256	zinc finger protein 397	-1.40	0.66	0.28
A_51_P296182	AK090207	Slc43a2	215113	solute carrier family 43, member 2	-1.26	0.66	0.53
A_51_P178545	NM_026028	Ccdc77	67200	coiled-coil domain containing 77	-1.34	0.66	0.37
				epidermal growth factor-containing fibulin-like			
A_51_P160544	NM_021474	Efemp2	58859	extracellular matrix protein 2	-1.27	0.66	0.50
A_52_P92302	AK089427	Dnajb12	56709	DnaJ (Hsp40) homolog, subfamily B, member 12	-1.18	0.66	0.70
A_52_P559126	NM_019665	Arl6	56297	ADP-ribosylation factor-like 6	-1.18	0.66	0.67
A_51_P300281	NM_009898	Coro1a	12721	coronin, actin binding protein 1A	-1.36	0.66	0.33
A_52_P16873	AK041479	Rasal3	320484	RAS protein activator like 3	-1.07	0.66	1.04
A_51_P394973	NM_026598	Ebpl	68177	emopamil binding protein-like	-1.28	0.66	0.46
A_52_P191527	AK129130	Rnmt	67897	RNA (guanine-7-) methyltransferase	-1.42	0.66	0.27
A_51_P480904	NM_178645	Blmh	104184	bleomycin hydrolase	-1.29	0.66	0.46
A_51_P159814	NM_029945	Smpd4	77626	sphingomyelin phosphodiesterase 4	-1.15	0.66	0.77
A_52_P377126	AK009886	2310047M	71923	RIKEN cDNA 2310047M10 gene	-1.08	0.66	1.04
A_51_P168392	NM_030188	Ttc30a1	78802	tetratricopeptide repeat domain 30A1	-1.18	0.66	0.67
				SWI/SNF related matrix associated, actin dependent			
A_51_P438293	AK133701	Smarca1	54380	regulator of chromatin, subfamily a-like 1	-1.55	0.66	0.16
A_52_P87513	NA	NA	NA	NA	-1.25	0.66	0.55
A_52_P377941	NM_153179	Pkhd1	241035	polycystic kidney and hepatic disease 1	-1.54	0.66	0.17
A_52_P279152	NM_016794	Vamp8	22320	vesicle-associated membrane protein 8	-1.37	0.66	0.33
A_52_P490863	NM_025403	Nop10	66181	NOP10 ribonucleoprotein homolog (yeast)	-1.50	0.66	0.20
A_52_P139629	NM_028376	Pfn4	382562	profilin family, member 4	-1.42	0.66	0.27
A_52_P446237	NM_178912	Fancm	104806	Fanconi anemia, complementation group M	-1.21	0.66	0.61
A_51_P236197	NM_009088	Polr1a	20019	polymerase (RNA) I polypeptide A	-1.27	0.66	0.50
A_52_P126162	NM_019880	Mtch1	56462	mitochondrial carrier homolog 1 (C. elegans)	-1.59	0.66	0.14
A_52_P492142	NM_170758	Cd300a	217303	CD300A antigen	-1.48	0.66	0.20
A_51_P311965	NM_009298	Surf6	20935	surfeit gene 6	-1.23	0.66	0.58

Accession	Gene ID	Gene Name	Protein ID	Protein Name	Log2 Fold Change	Adjusted P-value	Q-value
				eukaryotic translation initiation factor 2B, subunit 5			
A_51_P151968	NM_172265	Eif2b5	224045	epsilon	-1.41	0.66	0.27
A_52_P924229	AK085674	NA	NA	NA	-1.31	0.66	0.44
A_51_P351009	NM_028334	Nup37	69736	nucleoporin 37	-1.47	0.66	0.21
A_52_P201531	AK029836	Myo9a	270163	myosin IXa	-1.09	0.66	0.97
A_51_P121390	NM_001038	Anapc11	66156	anaphase promoting complex subunit 11	-1.34	0.66	0.37
A_51_P196395	NM_026502	1110004E0	68001	RIKEN cDNA 1110004E09 gene	-1.34	0.66	0.37
A_51_P518959	NA	NA	NA	NA	-1.38	0.66	0.30
A_52_P657324	NM_021470	Rnf32	56874	ring finger protein 32	-1.36	0.66	0.34
A_52_P795929	AK081614	NA	NA	NA	-1.26	0.66	0.53
A_52_P204348	NM_175128	4930430F0	68281	RIKEN cDNA 4930430F08 gene	-1.09	0.66	0.97
A_52_P475653	AK077587	Dnajb4	67035	DnaJ (Hsp40) homolog, subfamily B, member 4	-1.07	0.66	1.04
A_51_P128148	NM_145606	Chmp1a	234852	chromatin modifying protein 1A	-1.10	0.66	0.91
A_51_P430263	NM_133900	Psph	100678	phosphoserine phosphatase	-1.16	0.66	0.77
A_52_P472799	NM_027475	Ecd	70601	ecdysoneless homolog (Drosophila)	-1.28	0.66	0.50
A_51_P466180	NM_010299	Gm2a	14667	GM2 ganglioside activator protein	-1.27	0.66	0.50
A_51_P181671	L23423	Itga7	16404	integrin alpha 7	-1.43	0.66	0.24
A_52_P32466	NM_026553	Yif1a	68090	Yip1 interacting factor homolog A (S. cerevisiae)	-1.16	0.66	0.77
A_51_P435333	NM_027151	Dctn2	69654	dynactin 2	-1.42	0.66	0.27
				calcium/calmodulin-dependent protein kinase kinase 1, alpha			
A_51_P208330	NM_018883	Camkk1	55984	alpha	-1.30	0.65	0.44
A_51_P351697	NM_025430	Mrpl35	66223	mitochondrial ribosomal protein L35	-1.47	0.65	0.21
A_51_P174422	NM_013761	Srr	27364	serine racemase	-1.51	0.65	0.18
A_52_P583050	NM_181649	Ccdc75	53951	coiled-coil domain containing 75	-1.16	0.65	0.77
				membrane-bound transcription factor peptidase, site 1			
A_52_P406482	NM_019709	Mbtps1	56453	membrane-bound transcription factor peptidase, site 1	-1.22	0.65	0.58
A_51_P185292	AK019824	4930581F2	78934	RIKEN cDNA 4930581F22 gene	-1.25	0.65	0.55
A_52_P479683	NM_008297	Hsf2	15500	heat shock factor 2	-1.22	0.65	0.58
				hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2			
A_52_P339759	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-1.21	0.65	0.61
A_52_P450918	NM_144538	Rab3il1	74760	RAB3A interacting protein (rabin3)-like 1	-1.27	0.65	0.50
A_51_P463087	NM_178269	Cenpm	66570	centromere protein M	-1.31	0.65	0.44
				Williams Beuren syndrome chromosome region 22			
A_51_P456590	NM_025375	Wbscr22	66138	Williams Beuren syndrome chromosome region 22	-1.37	0.65	0.33

A_52_P432904	NM_001003	Ddx11	320209	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, <i>S. cerevisiae</i>)	-1.45	0.65	0.22
A_51_P165870	NM_008750	Nxn	18230	nucleoredoxin	-1.37	0.65	0.33
A_51_P359485	NM_024231	Zfp1	81909	zinc finger like protein 1	-1.22	0.65	0.58
A_52_P335259	NM_144536	Cdkal1	68916	CDK5 regulatory subunit associated protein 1-like 1	-1.43	0.65	0.24
A_51_P200529	NM_138670	Mpst	246221	mercaptopyruvate sulfurtransferase	-1.18	0.65	0.67
A_52_P102642	NM_198020	Trmt1	212528	TRM1 tRNA methyltransferase 1 homolog (<i>S. cerevisiae</i>)	-1.33	0.65	0.37
A_52_P466788	NM_133673	Tor1b	30934	torsin family 1, member B	-1.13	0.65	0.86
A_51_P381387	NM_153415	Pomt2	217734	protein-O-mannosyltransferase 2	-1.11	0.65	0.91
A_52_P571938	NM_026855	Arv1	68865	ARV1 homolog (yeast)	-1.49	0.65	0.20
A_51_P484983	NM_023224	Cblc	80794	Casitas B-lineage lymphoma c	-1.51	0.65	0.18
A_52_P180152	AK034016	9030407P2	71568	RIKEN cDNA 9030407P20 gene	-1.54	0.65	0.16
A_52_P27918	NM_001029	Atad5	237877	ATPase family, AAA domain containing 5 carcinoembryonic antigen-related cell adhesion molecule 1	-1.27	0.65	0.50
A_52_P240706	NM_001039	Ceacam1	26365	molecule 1	-1.50	0.65	0.20
A_51_P399062	NM_027777	Pex1	71382	peroxisomal biogenesis factor 1 protein kinase, interferon inducible double stranded	-1.44	0.65	0.22
A_51_P345836	NM_011871	Prkra	23992	RNA dependent activator	-1.42	0.65	0.27
A_51_P450812	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-1.44	0.65	0.24
A_51_P221998	NM_207237	Man1c1	230815	mannosidase, alpha, class 1C, member 1	-1.54	0.65	0.16
A_52_P434934	NM_177215	Ocrl	320634	oculocerebrorenal syndrome of Lowe	-1.44	0.65	0.24
A_52_P261249	NM_148926	Zfand3	21769	zinc finger, AN1-type domain 3	-1.31	0.65	0.44
A_51_P249414	NM_022408	Dgcr14	27886	DiGeorge syndrome critical region gene 14	-1.63	0.65	0.11
A_51_P501159	NM_198020	Trmt1	212528	TRM1 tRNA methyltransferase 1 homolog (<i>S. cerevisiae</i>)	-1.51	0.65	0.18
A_51_P260490	NM_009067	Ralbp1	19765	ralA binding protein 1	-1.61	0.65	0.13
A_51_P127464	NM_199149	Lrrc68	232947	leucine rich repeat containing 68	-1.50	0.65	0.20
A_51_P344566	NM_011121	Plk1	18817	polo-like kinase 1 (<i>Drosophila</i>)	-1.11	0.65	0.91
A_51_P505337	AK002846	Preli1	66494	PRELI domain containing 1	-1.44	0.65	0.22
A_51_P320593	NM_027185	Def6	23853	differentially expressed in FDCP 6	-1.45	0.65	0.22
A_51_P346871	NM_018854	Ift20	55978	intraflagellar transport 20 homolog (<i>Chlamydomonas</i>)	-1.37	0.65	0.33

A_51_P159552	AK159076	Sin3b	20467	transcriptional regulator, SIN3B (yeast)	-1.13	0.65	0.86
A_51_P416397	NM_145476	Tbc1d22a	223754	TBC1 domain family, member 22a	-1.64	0.65	0.11
A_51_P399873	NM_001033	Acmsd	266645	amino carboxymuconate semialdehyde decarboxylase	-1.30	0.65	0.46
A_52_P465386	NA	NA	NA	NA	-1.22	0.65	0.61
A_52_P860257	AK085706	BB042571	105057	expressed sequence BB042571	-1.28	0.65	0.46
A_52_P1188205	AK048968	NA	NA	NA	-1.46	0.65	0.21
A_52_P577729	BC062943	Rnf169	108937	ring finger protein 169	-1.33	0.65	0.40
A_52_P429749	NM_019704	Tmem115	56395	transmembrane protein 115	-1.32	0.65	0.40
A_51_P165156	AK016716	Polr3c	74414	polymerase (RNA) III (DNA directed) polypeptide C	-1.38	0.65	0.33
A_51_P323397	AK006854	170006111	433646	RIKEN cDNA 1700061117 gene	-1.43	0.65	0.24
A_52_P844036	AK086877	NA	NA	NA	-1.27	0.65	0.50
A_52_P173673	BC091647	Ankhd1	108857	ankyrin repeat and KH domain containing 1	-1.36	0.65	0.34
A_52_P13537	NM_018864	Impa1	55980	inositol (myo)-1(or 4)-monophosphatase 1	-1.69	0.65	0.09
A_51_P331246	AK168159	Polr2l	66491	polymerase (RNA) II (DNA directed) polypeptide L processing of precursor 1, ribonuclease P/MRP family,	-1.30	0.65	0.44
A_51_P322910	NM_026340	Pop1	67724	(S. cerevisiae)	-1.20	0.65	0.67
A_51_P141110	NM_026082	Dock7	67299	dedicator of cytokinesis 7	-1.27	0.65	0.50
A_52_P488779	NM_001024	Pilrb2	545812	paired immunoglobulin-like type 2 receptor beta 2	-1.65	0.65	0.11
A_52_P416727	NM_153794	4933403F0	108654	RIKEN cDNA 4933403F05 gene	-1.35	0.65	0.34
A_51_P440657	NM_019837	Nudt3	56409	nudix (nucleotide diphosphate linked moiety X)-type motif 3 required for meiotic nuclear division 1 homolog (S.	-1.47	0.65	0.20
A_51_P147562	NM_025343	Rmnd1	66084	cerevisiae)	-1.32	0.65	0.40
A_52_P426740	NM_023635	Rab27a	11891	RAB27A, member RAS oncogene family	-1.27	0.65	0.50
A_51_P273130	NM_030116	Mrpl9	78523	mitochondrial ribosomal protein L9	-1.43	0.65	0.24
A_52_P1022311	BC039142	NA	NA	NA	-1.39	0.65	0.30
A_52_P306162	NM_153399	Syne1	64009	synaptic nuclear envelope 1	-1.36	0.65	0.34
A_52_P159077	NM_011734	Siae	22619	sialic acid acetyltransferase	-1.52	0.65	0.18
A_51_P289507	NM_172519	Dis3l	213550	DIS3 mitotic control homolog (S. cerevisiae)-like	-1.64	0.65	0.11
A_51_P287756	NM_009553	Zscan2	22691	zinc finger and SCAN domain containing 2	-1.31	0.65	0.44

				5-methyltetrahydrofolate-homocysteine			
A_52_P296208	NM_172480	Mtrr	210009	methyltransferase reductase	-1.42	0.65	0.27
A_51_P487331	AK016544	4932433NC	74384	RIKEN cDNA 4932433N03 gene	-1.39	0.65	0.30
A_52_P594927	NM_146091	Atl3	109168	atlastin GTPase 3	-1.44	0.65	0.22
A_51_P325071	NM_010949	Numb	18222	numb gene homolog (Drosophila)	-1.40	0.65	0.28
A_52_P243249	NM_011952	Mapk3	26417	mitogen-activated protein kinase 3	-1.35	0.65	0.34
A_51_P313532	NM_027154	Tmbim1	69660	transmembrane BAX inhibitor motif containing 1	-1.34	0.65	0.37
A_51_P193612	NM_175260	Myh10	77579	myosin, heavy polypeptide 10, non-muscle	-1.32	0.65	0.40
A_52_P40257	NM_007652	Cd59a	12509	CD59a antigen	-1.25	0.65	0.53
A_51_P329879	NM_028095	Mettl10	72096	methyltransferase like 10	-1.18	0.65	0.70
A_51_P408162	NM_175277	Bola3	78653	bolA-like 3 (E. coli)	-1.34	0.65	0.37
A_52_P124173	NM_172151	Zdhhc8	27801	zinc finger, DHHC domain containing 8	-1.16	0.65	0.77
A_52_P419059	NA	NA	NA	NA	-1.45	0.65	0.22
A_51_P130015	NM_007900	Ect2	13605	ect2 oncogene	-1.33	0.65	0.40
A_52_P91724	NM_026353	Slc48a1	67739	solute carrier family 48 (heme transporter), member 1	-1.54	0.65	0.16
A_52_P1131944	AK037456	A130019P1	1399617	RIKEN cDNA A130019P10 gene	-1.10	0.65	0.97
A_51_P298514	NM_177345	Mapkap1	227743	mitogen-activated protein kinase associated protein 1	-1.25	0.65	0.53
A_51_P101545	NM_019447	Hgfac	54426	hepatocyte growth factor activator	-1.36	0.65	0.34
A_52_P311129	NM_025911	Ccdc91	67015	coiled-coil domain containing 91	-1.36	0.65	0.34
A_51_P340816	NM_008389	Ipp	16351	IAP promoted placental gene	-1.29	0.65	0.46
A_51_P462428	NM_030166	Galnt12	78754	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2	-1.22	0.65	0.58
A_51_P125135	NM_026410	Cdca5	67849	cell division cycle associated 5	-1.12	0.65	0.86
A_51_P214306	NM_145462	Haus4	219072	HAUS augmin-like complex, subunit 4	-1.10	0.65	0.97
A_51_P454166	NM_010829	Msh3	17686	mutS homolog 3 (E. coli)	-1.22	0.65	0.61
A_52_P90289	NM_010952	Oaz2	18247	ornithine decarboxylase antizyme 2	-1.49	0.65	0.20
A_51_P363763	NM_019434	Mcm3ap	54387	minichromosome maintenance deficient 3 (S. cerevisiae) associated protein	-1.33	0.65	0.40
A_51_P400659	NM_007530	Bcap29	12033	B-cell receptor-associated protein 29	-1.41	0.65	0.27
A_51_P461123	XM_916118	NA	NA	NA	-1.38	0.65	0.30
A_52_P676063	NM_026734	Tmem126b	68472	transmembrane protein 126B	-1.23	0.65	0.58

A_51_P153486	NM_018808	Dnajb1	81489	Dnaj (Hsp40) homolog, subfamily B, member 1	-1.32	0.65	0.40
A_51_P406414	NM_010470	Hp1bp3	15441	heterochromatin protein 1, binding protein 3	-1.84	0.65	0.04
A_51_P349023	NM_026309	Lsm3	67678	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.08	0.65	1.04
A_52_P335326	XM_130859	Pgrmc2	70804	progesterone receptor membrane component 2	-1.17	0.65	0.70
A_51_P494446	NM_001025	Tmem201	230917	transmembrane protein 201	-1.58	0.65	0.15
A_52_P699185	AK035263	NA	NA	NA	-1.49	0.65	0.20
A_52_P181733	NM_153560	Fam102a	98952	family with sequence similarity 102, member A	-1.27	0.65	0.50
A_52_P39546	NM_011565	Tead2	21677	TEA domain family member 2	-1.67	0.65	0.10
A_51_P342877	NM_011322	Scn1b	20266	sodium channel, voltage-gated, type I, beta	-1.66	0.65	0.11
A_51_P447866	NM_028773	Sash3	74131	SAM and SH3 domain containing 3	-1.56	0.65	0.15
A_52_P166694	NM_009496	Vamp1	22317	vesicle-associated membrane protein 1	-1.33	0.65	0.37
A_51_P407660	NM_177003	9630033F2	319801	RIKEN cDNA 9630033F20 gene	-1.29	0.65	0.46
A_51_P272735	XM_981000	NA	NA	NA	-1.53	0.65	0.17
A_51_P121527	NM_026680	Golt1a	68338	golgi transport 1 homolog A (S. cerevisiae)	-1.42	0.65	0.24
A_52_P147730	NM_001039	Evi5l	213027	ecotropic viral integration site 5 like	-1.38	0.65	0.33
A_51_P477627	NM_146170	C87436	232196	expressed sequence C87436	-1.36	0.65	0.34
A_52_P682982	NM_013742	Cars	27267	cysteinyl-tRNA synthetase	-1.08	0.65	0.97
A_52_P661044	NM_009914	Ccr3	12771	chemokine (C-C motif) receptor 3	-1.08	0.65	1.04
A_51_P398343	NM_011749	Zfp148	22661	zinc finger protein 148	-1.35	0.65	0.34
A_51_P405773	NM_175658	Hist1h2aa	319163	histone cluster 1, H2aa	-1.58	0.65	0.15
A_51_P124951	NM_025296	Ciao1	26371	cytosolic iron-sulfur protein assembly 1 homolog (S. cerevisiae)	-1.45	0.65	0.22
A_51_P145376	NM_001025	Otud7b	229603	OTU domain containing 7B	-1.61	0.65	0.13
A_51_P518926	AK009886	2310047M	71923	RIKEN cDNA 2310047M10 gene	-1.33	0.65	0.40
A_52_P420479	NM_010402	Hand2	15111	heart and neural crest derivatives expressed transcript 2	-1.27	0.65	0.50
A_51_P359137	NM_021791	Doc2g	60425	double C2, gamma	-1.29	0.65	0.46
A_51_P289506	AK151780	Dis3l	213550	DIS3 mitotic control homolog (S. cerevisiae)-like	-1.24	0.65	0.55
A_51_P210395	NM_053108	Glrx	93692	glutaredoxin	-1.23	0.65	0.58
A_52_P249611	NM_021313	Rnf25	57751	ring finger protein 25	-1.57	0.65	0.15
A_52_P577361	NM_199198	Hdac10	170787	histone deacetylase 10	-1.63	0.65	0.11
A_52_P164928	NM_001047	Ttc21b	73668	tetratricopeptide repeat domain 21B	-1.42	0.65	0.27

A_52_P114722	NM_001077	Ptpn6	15170	protein tyrosine phosphatase, non-receptor type 6 CTF18, chromosome transmission fidelity factor 18	-1.58	0.65	0.15
A_51_P208680	NM_145409	Chtf18	214901	homolog (<i>S. cerevisiae</i>)	-1.41	0.65	0.27
A_51_P160913	NM_008209	Mr1	15064	major histocompatibility complex, class I-related	-1.44	0.65	0.22
A_51_P240019	NM_013755	Gyg	27357	glycogenin	-1.26	0.65	0.53
A_51_P231738	NM_020566	Dnajc4	57431	Dnal (Hsp40) homolog, subfamily C, member 4	-1.54	0.65	0.16
A_52_P479539	AK047894	Cit	12704	citron	-1.60	0.65	0.14
A_52_P527637	NM_024414	Stx1b	56216	syntaxin 1B	-1.59	0.65	0.14
A_51_P232355	NM_008950	Psmc5	19184	protease (prosome, macropain) 26S subunit, ATPase 5	-1.57	0.65	0.15
A_51_P495700	NM_025455	Ccdc28b	66264	coiled coil domain containing 28B	-1.36	0.65	0.33
A_51_P390586	NM_027478	5730494N06	70612	RIKEN cDNA 5730494N06 gene	-1.79	0.65	0.06
A_52_P604613	NM_010333	S1pr2	14739	sphingosine-1-phosphate receptor 2	-1.28	0.65	0.46
A_52_P303235	AK008788	Ndufab1	70316	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1	-1.30	0.65	0.44
A_51_P130427	NM_009439	Psmc3	22123	proteasome (prosome, macropain) 26S subunit, non- ATPase, 3	-1.35	0.65	0.34
A_51_P366290	NM_001033	6430526N21	319748	RIKEN cDNA 6430526N21 gene	-1.56	0.65	0.15
A_51_P434171	BC060115	Myo19	66196	myosin XIX	-1.18	0.65	0.70
A_52_P373205	AK173175	Scaper	244891	S phase cyclin A-associated protein in the ER	-1.10	0.65	0.97
A_51_P515120	NM_178870	Hs3st3a1	15478	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-1.41	0.65	0.27
A_52_P302291	NM_029017	Mrpl47	74600	mitochondrial ribosomal protein L47	-1.29	0.65	0.46
A_51_P165330	NM_025796	Mrpl33	66845	mitochondrial ribosomal protein L33	-1.35	0.65	0.34
A_52_P527106	NM_001039	Arhgap12	75415	Rho GTPase activating protein 12	-1.22	0.65	0.58
A_52_P359061	NM_019410	Pfn2	18645	profilin 2	-1.09	0.65	0.97
A_52_P252539	AK028070	Ndufb8	67264	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	-1.48	0.65	0.20
A_51_P401987	NM_019432	Tmem37	170706	transmembrane protein 37	-1.41	0.65	0.27
A_51_P367343	NM_013716	G3bp1	27041	Ras-GTPase-activating protein SH3-domain binding protein 1	-1.27	0.65	0.50
A_52_P478790	NA	NA	NA	NA	-1.37	0.65	0.33
A_52_P280448	NA	NA	NA	NA	-1.40	0.65	0.28

A_51_P307232	NM_010629	Kifap3	16579	kinesin-associated protein 3	-1.33	0.65	0.40
A_51_P328932	NM_011626	Tmem165	21982	transmembrane protein 165	-1.24	0.65	0.55
A_52_P323936	NM_145952	Tbc1d12	209478	TBC1D12: TBC1 domain family, member 12	-1.14	0.65	0.82
A_52_P241742	AK008077	2010003O066434		RIKEN cDNA 2010003O02 gene	-1.14	0.65	0.82
A_52_P39157	NM_007552	Bmi1	12151	Bmi1 polycomb ring finger oncogene	-1.70	0.65	0.09
A_51_P205833	NM_007531	Phb2	12034	prohibitin 2	-1.43	0.65	0.24
A_51_P459873	AK018157	6330411E070733		RIKEN cDNA 6330411E07 gene	-1.67	0.65	0.10
A_51_P509339	XM_132005	NA	NA	NA	-1.31	0.65	0.40
A_52_P1367	AK162987	Ets1	23871	E26 avian leukemia oncogene 1, 5' domain	-1.37	0.65	0.33
A_52_P281711	NM_027113	Wdr5b	69544	WD repeat domain 5B	-1.29	0.65	0.46
A_52_P171212	NM_010570	Irs1	16367	insulin receptor substrate 1	-1.27	0.65	0.50
A_52_P78746	NM_010617	Kif13a	16553	kinesin family member 13A	-1.16	0.65	0.77
A_51_P437549	NM_001039	Klhl20	226541	kelch-like 20 (Drosophila)	-1.31	0.65	0.44
A_52_P316644	NM_009748	Bet1	12068	blocked early in transport 1 homolog (S. cerevisiae)	-1.27	0.65	0.50
A_51_P249627	NM_029791	Bicd2	76895	bicaudal D homolog 2 (Drosophila)	-1.43	0.65	0.24
A_51_P172532	NM_012049	Nit1	27045	nitrilase 1	-1.53	0.65	0.17
A_52_P239292	NM_133818	AI597479	98404	expressed sequence AI597479	-1.47	0.65	0.21
A_51_P174016	NM_008202	Slc39a7	14977	solute carrier family 39 (zinc transporter), member 7	-1.23	0.65	0.58
A_52_P606924	NM_172714	Lin54	231506	lin-54 homolog (C. elegans)	-1.65	0.65	0.11
A_51_P410361	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-1.21	0.65	0.61
A_52_P522372	NM_175503	Aard	239435	alanine and arginine rich domain containing protein mannoside acetylglucosaminyltransferase 4, isoenzyme	-1.66	0.65	0.11
A_51_P268033	BC026638	Mgat4b	103534	B	-1.86	0.65	0.04
A_51_P488422	NM_029475	Adal	75894	adenosine deaminase-like pleckstrin homology domain containing, family O	-1.09	0.65	0.97
A_51_P509971	NM_023320	Plekho1	67220	member 1	-1.33	0.65	0.40
A_52_P619200	NM_183200	5330438D1327824		RIKEN cDNA 5330438D12 gene	-1.46	0.65	0.21
A_51_P286373	NM_183017	Ttll12	223723	tubulin tyrosine ligase-like family, member 12	-1.34	0.65	0.37
A_51_P381247	NM_028303	Pdzd11	72621	PDZ domain containing 11	-1.47	0.64	0.21
A_52_P430710	NM_028162	Tbc1d5	72238	TBC1 domain family, member 5	-1.37	0.64	0.33
A_52_P4598	NM_013872	Pmm1	29858	phosphomannomutase 1	-1.58	0.64	0.15

A_52_P387954	NM_021608	Dctn5	59288	dynactin 5	-1.12	0.64	0.86
A_51_P101137	NM_146025	Samd14	217125	sterile alpha motif domain containing 14	-1.32	0.64	0.40
A_51_P210885	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-1.68	0.64	0.10
A_52_P244572	NM_008633	Mtap4	17758	microtubule-associated protein 4	-1.40	0.64	0.28
A_52_P533750	NM_144523	Zfp622	52521	zinc finger protein 622	-1.41	0.64	0.27
A_51_P466502	NM_177093	Lrrc58	320184	leucine rich repeat containing 58	-1.17	0.64	0.70
A_52_P96898	AK002636	Srr	27364	serine racemase	-1.69	0.64	0.09
A_51_P183995	NM_019458	Paf1	54624	Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae)	-1.29	0.64	0.46
A_51_P117162	NM_007624	Cbx3	12417	chromobox homolog 3 (Drosophila HP1 gamma)	-1.42	0.64	0.27
A_52_P1156127	AK051961	Gm8037	666304	predicted gene 8037	-1.58	0.64	0.15
A_51_P101255	NM_027896	Coasy	71743	Coenzyme A synthase	-1.69	0.64	0.09
A_51_P318544	NM_001039	Fdx1l	68165	ferredoxin 1-like	-1.40	0.64	0.28
A_51_P309920	NM_001001	Itga8	241226	integrin alpha 8	-1.31	0.64	0.44
A_51_P150105	NM_012022	NA	NA	NA	-1.43	0.64	0.24
A_51_P491329	NM_026018	Pdzk1ip1	67182	PDZK1 interacting protein 1	-1.34	0.64	0.37
A_52_P639229	NM_139232	Fgd4	224014	FYVE, RhoGEF and PH domain containing 4	-1.43	0.64	0.24
A_52_P136709	NM_008796	Pctp	18559	phosphatidylcholine transfer protein	-1.33	0.64	0.40
A_51_P282144	NM_011780	Adam23	23792	a disintegrin and metallopeptidase domain 23	-1.14	0.64	0.82
A_51_P221495	NM_145414	Nsun5	100609	NOL1/NOP2/Sun domain family, member 5	-1.50	0.64	0.20
A_52_P268726	AK029771	Sfmbt1	54650	Scm-like with four mbt domains 1	-1.61	0.64	0.13
A_51_P438083	NM_144512	Slc6a13	14412	solute carrier family 6 (neurotransmitter transporter, GABA), member 13	-1.55	0.64	0.16
A_52_P462171	XM_354675	NA	NA	NA	-1.29	0.64	0.46
A_52_P159990	NM_145990	Cdk5rap2	214444	CDK5 regulatory subunit associated protein 2	-1.52	0.64	0.18
A_51_P311990	NM_011032	P4hb	18453	prolyl 4-hydroxylase, beta polypeptide	-1.31	0.64	0.44
A_52_P537175	AK029235	Krba1	77827	KRAB-A domain containing 1	-1.57	0.64	0.15
A_52_P79038	NM_001008	Scaf1	233208	SR-related CTD-associated factor 1	-1.38	0.64	0.30
A_51_P343569	BC016585	Galnt10	171212	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	-1.61	0.64	0.13
A_52_P674467	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-1.36	0.64	0.34
A_51_P317695	NM_019510	Trpc3	22065	transient receptor potential cation channel, subfamily C, member 3	-1.42	0.64	0.27

A_51_P249930	NM_146236	Tceal1	237052	transcription elongation factor A (SII)-like 1	-1.38	0.64	0.30
A_51_P374863	NM_013742	Cars	27267	cysteinyl-tRNA synthetase	-1.30	0.64	0.46
A_51_P306160	AK051378	Map3k13	71751	mitogen-activated protein kinase kinase kinase 13	-1.29	0.64	0.46
A_52_P892091	AK079466	A030007N1	109237	RIKEN cDNA A030007N12 gene	-1.25	0.64	0.55
A_51_P384629	NM_009983	Ctsd	13033	cathepsin D	-1.56	0.64	0.16
A_51_P140871	NA	NA	NA	NA	-1.21	0.64	0.61
A_51_P355416	AF315344	Nisch	64652	nischarin	-1.22	0.64	0.58
A_51_P194883	NM_008434	Kcnq1	16535	potassium voltage-gated channel, subfamily Q, member 1	-1.33	0.64	0.40
A_52_P96939	AK019858	Pqlc1	66943	PQ loop repeat containing 1	-1.51	0.64	0.18
A_52_P281033	NM_019654	Socs5	56468	suppressor of cytokine signaling 5	-1.44	0.64	0.22
A_51_P327828	NM_011149	Ppib	19035	peptidylprolyl isomerase B	-1.50	0.64	0.20
A_51_P459091	NM_172550	A130042E2	216119	RIKEN cDNA A130042E20 gene	-1.61	0.64	0.13
A_51_P189631	AK052500	2310067E1	76455	RIKEN cDNA 2310067E19 gene	-1.35	0.64	0.34
A_51_P417720	NM_176922	Itga11	319480	integrin alpha 11	-1.28	0.64	0.46
A_52_P128951	NM_025671	Ogfod2	66627	2-oxoglutarate and iron-dependent oxygenase domain containing 2	-1.37	0.64	0.33
A_52_P74637	NM_001018	Gm4983	245297	predicted gene 4983	-1.40	0.64	0.28
A_51_P121359	NM_001029	Zc3h18	76014	zinc finger CCCH-type containing 18	-1.64	0.64	0.11
A_52_P382565	XM_976961	NA	NA	NA	-1.27	0.64	0.50
A_51_P324768	AK005093	Etohi1	626848	ethanol induced 1	-1.21	0.64	0.61
A_52_P876207	AK085773	Arhgef15	442801	Rho guanine nucleotide exchange factor (GEF) 15	-1.50	0.64	0.20
A_51_P267194	NM_011810	Faim	23873	Fas apoptotic inhibitory molecule	-1.64	0.64	0.11
A_51_P150678	NM_027206	Tnfaip8l2	69769	tumor necrosis factor, alpha-induced protein 8-like 2	-1.44	0.64	0.22
A_51_P462444	NM_026795	Tm2d3	68634	TM2 domain containing 3	-1.49	0.64	0.20
A_52_P443330	NM_027432	Wdr77	70465	WD repeat domain 77	-1.63	0.64	0.11
A_51_P304510	NM_145590	BC017158	233913	cDNA sequence BC017158	-1.14	0.64	0.82
A_51_P137007	NM_012039	Zw10	26951	ZW10 homolog (Drosophila), centromere/kinetochore protein	-1.33	0.64	0.40
A_51_P490823	NM_145494	Me2	107029	malic enzyme 2, NAD(+)-dependent, mitochondrial	-1.45	0.64	0.22

A_51_P214580	AK041989	Wipi2	74781	WD repeat domain, phosphoinositide interacting 2	-1.21	0.64	0.61
A_51_P175454	NM_011870	Cib1	23991	calcium and integrin binding 1 (calmyrin)	-1.26	0.64	0.53
A_52_P296670	NM_008997	Rab11b	19326	RAB11B, member RAS oncogene family	-1.18	0.64	0.70
A_52_P194805	NM_026521	Zfp706	68036	zinc finger protein 706	-1.50	0.64	0.20
				NIMA (never in mitosis gene a)-related expressed kinase			
A_51_P289263	NM_145138	Nek9	217718	9	-1.45	0.64	0.22
A_52_P1083427	AK020414	9430013L1	77266	RIKEN cDNA 9430013L17 gene	-1.43	0.64	0.24
A_51_P487547	NM_025911	Ccdc91	67015	coiled-coil domain containing 91	-1.60	0.64	0.14
A_52_P374681	NM_177394	A730011L0	338371	RIKEN cDNA A730011L01 gene	-1.67	0.64	0.10
A_52_P136153	NM_007749	Cox7c	12867	cytochrome c oxidase, subunit VIIc	-1.22	0.64	0.58
A_51_P431121	AK052831	NA	NA	NA	-1.57	0.64	0.15
A_52_P2224	AF213385	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-1.09	0.64	0.97
A_51_P516705	NM_023913	Ern1	78943	endoplasmic reticulum (ER) to nucleus signalling 1	-1.37	0.64	0.33
A_52_P763938	NA	NA	NA	NA	-1.22	0.64	0.58
A_52_P468851	NM_183115	Ccdc125	76041	coiled-coil domain containing 125	-1.60	0.64	0.14
A_51_P104128	AK003452	Oaz1	18245	ornithine decarboxylase antizyme 1	-1.33	0.64	0.37
A_51_P180617	NM_153783	Paox	212503	polyamine oxidase (exo-N4-amino)	-1.18	0.64	0.70
A_51_P276039	NM_175150	Txndc15	69672	thioredoxin domain containing 15	-1.77	0.64	0.06
A_52_P20867	NM_023755	Tcfcp2l1	81879	transcription factor CP2-like 1	-1.35	0.64	0.34
A_52_P420712	NM_001025	Pja2	224938	praja 2, RING-H2 motif containing	-1.39	0.64	0.30
A_51_P415748	AK085610	NA	NA	NA	-1.75	0.64	0.07
A_52_P266643	NM_177003	9630033F2	319801	RIKEN cDNA 9630033F20 gene	-1.52	0.64	0.18
A_51_P244892	NM_021501	Pias4	59004	protein inhibitor of activated STAT 4	-1.26	0.64	0.53
A_52_P619991	AK014834	Them4	75778	thioesterase superfamily member 4	-1.41	0.64	0.28
A_51_P459538	NM_015735	Ddb1	13194	damage specific DNA binding protein 1	-1.42	0.64	0.27
A_52_P413646	NM_007556	Bmp6	12161	bone morphogenetic protein 6	-1.56	0.64	0.15
A_52_P573543	NM_201607	Pde4c	110385	phosphodiesterase 4C, cAMP specific	-1.19	0.64	0.67
A_52_P187820	AK017029	Arhgap26	71302	Rho GTPase activating protein 26	-1.37	0.64	0.33
A_52_P266312	AK081968	8030498J2	320389	RIKEN cDNA 8030498J20 gene	-1.31	0.64	0.44
A_51_P110651	NM_011747	Zfp13	22654	zinc finger protein 13	-1.58	0.64	0.15
A_51_P356144	NM_009224	Snrnp70	20637	small nuclear ribonucleoprotein 70 (U1)	-1.37	0.64	0.33

A_51_P357622	NM_147120	OlfR638	259124	olfactory receptor 638	-1.07	0.64	1.04
A_51_P422030	NM_029865	Ocel1	77090	occludin/ELL domain containing 1	-1.13	0.64	0.86
A_51_P237746	AK004226	NA	NA	NA	-1.51	0.64	0.18
A_52_P179047	NM_019750	Nat6	56441	N-acetyltransferase 6	-1.38	0.64	0.33
A_52_P600822	NM_008860	Prkcz	18762	protein kinase C, zeta	-1.40	0.64	0.28
A_51_P484020	NM_134158	AF251705	140497	cDNA sequence AF251705	-1.43	0.64	0.24
A_52_P473966	NM_134090	Kdelr3	105785	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	-1.38	0.64	0.30
A_52_P229210	XR_003524	NA	NA	NA	-1.15	0.64	0.82
A_51_P413710	NM_007460	Ap3d1	11776	adaptor-related protein complex 3, delta 1 subunit	-1.62	0.64	0.12
A_52_P227279	NM_011703	Vipr1	22354	vasoactive intestinal peptide receptor 1	-1.33	0.64	0.37
A_51_P448671	NM_011539	Tbxas1	21391	thromboxane A synthase 1, platelet	-1.39	0.64	0.28
A_51_P162760	NM_030199	Zfp623	78834	zinc finger protein 623	-1.17	0.64	0.70
A_52_P406141	AK083096	Wwox	80707	WW domain-containing oxidoreductase	-1.48	0.64	0.20
A_52_P522990	BC039287	Trub1	72133	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-1.54	0.64	0.16
A_52_P316933	NM_172507	Sh3bgrl2	212531	SH3 domain binding glutamic acid-rich protein like 2	-1.36	0.64	0.34
A_52_P445584	NM_023243	Ccnh	66671	cyclin H	-1.40	0.64	0.28
A_52_P1055590	NM_172149	Bnip1	224630	BCL2/adenovirus E1B interacting protein 1	-1.43	0.64	0.24
A_51_P176513	NM_170592	Mettl11a	66617	methyltransferase like 11A	-1.17	0.64	0.70
A_51_P479818	NM_028894	Lonrf3	74365	LON peptidase N-terminal domain and ring finger 3	-1.15	0.64	0.82
A_51_P103718	NM_013785	Ip6k1	27399	inositol hexaphosphate kinase 1	-1.59	0.64	0.14
A_51_P502348	NM_018783	Tfip11	54723	tuftelin interacting protein 11	-1.60	0.64	0.14
A_51_P509389	NM_031868	Ppp1ca	19045	protein phosphatase 1, catalytic subunit, alpha isoform	-1.59	0.64	0.14
A_51_P465445	NM_008633	Mtap4	17758	microtubule-associated protein 4	-1.47	0.64	0.21
A_52_P350554	NM_008420	Kcnb1	16500	potassium voltage gated channel, Shab-related subfamily, member 1	-1.37	0.64	0.33
A_51_P479177	NM_025533	Nosip	66394	nitric oxide synthase interacting protein	-1.50	0.64	0.20
A_52_P152952	NM_027203	Leng1	69757	leukocyte receptor cluster (LRC) member 1	-1.34	0.64	0.37
A_51_P249544	NM_029621	Haus8	76478	4HAUS augmin-like complex, subunit 8	-1.12	0.64	0.86

				ubiquinol-cytochrome c reductase complex chaperone,			
A_51_P341285	NM_018888	Uqcc	56046	CBP3 homolog (yeast)	-1.66	0.64	0.10
A_52_P407692	NM_177688	H2afj	232440	H2A histone family, member J	-1.70	0.64	0.09
A_51_P504672	NM_133665	Mef2d	17261	myocyte enhancer factor 2D	-1.54	0.64	0.16
A_51_P481221	NM_019517	Bace2	56175	beta-site APP-cleaving enzyme 2	-1.73	0.64	0.07
A_52_P272364	AK161163	Gria3	53623	glutamate receptor, ionotropic, AMPA3 (alpha 3)	-1.15	0.64	0.82
A_51_P109144	NM_025768	Grtp1	66790	GH regulated TBC protein 1	-1.51	0.64	0.18
A_51_P507471	AK010990	2510022D2	66567	RIKEN cDNA 2510022D24 gene	-1.50	0.64	0.20
A_52_P626069	NM_177224	Chd9	109151	chromodomain helicase DNA binding protein 9	-1.09	0.64	0.97
A_51_P158628	NM_011952	Mapk3	26417	mitogen-activated protein kinase 3	-1.59	0.64	0.14
A_51_P294550	NM_019829	Stx5a	56389	syntaxin 5A	-1.28	0.64	0.50
A_51_P182443	NM_198303	Eif5b	226982	eukaryotic translation initiation factor 5B	-1.16	0.64	0.77
A_51_P327530	NM_026635	Fam96a	68250	family with sequence similarity 96, member A	-1.46	0.64	0.21
A_52_P457376	NA	NA	NA	NA	-1.33	0.64	0.37
A_52_P963729	AK053988	NA	NA	NA	-1.38	0.64	0.30
A_52_P128032	NM_146051	3830406C1	218734	RIKEN cDNA 3830406C13 gene	-1.45	0.64	0.22
A_52_P317393	NM_018882	Gpr56	14766	G protein-coupled receptor 56	-1.19	0.64	0.67
A_52_P65193	NM_172557	Rufy1	216724	RUN and FYVE domain containing 1	-1.67	0.64	0.10
A_52_P448205	BC053843	Clstn1	65945	calsyntenin 1	-1.35	0.64	0.34
A_51_P179987	NM_027985	Mad2l2	71890	MAD2 mitotic arrest deficient-like 2 (yeast)	-1.25	0.64	0.55
A_52_P350664	NM_153781	Pygb	110078	brain glycogen phosphorylase	-1.43	0.64	0.24
A_52_P672825	BC106120	Rad9b	231724	RAD9 homolog B (<i>S. cerevisiae</i>)	-1.67	0.64	0.10
A_51_P413740	NM_080845	Ftcd	14317	formiminotransferase cyclodeaminase	-1.73	0.64	0.07
A_51_P324393	NM_016805	Hnrnpu	51810	heterogeneous nuclear ribonucleoprotein U	-1.41	0.64	0.28
A_51_P513586	NM_025617	2210012G0	66526	RIKEN cDNA 2210012G02 gene	-1.19	0.64	0.67
A_52_P287839	NM_144820	Ccdc28a	215814	coiled-coil domain containing 28A	-1.35	0.64	0.34
A_51_P513979	NM_027283	1700026L0	69987	RIKEN cDNA 1700026L06 gene	-1.62	0.64	0.12
A_51_P252596	AK084625	D330022K0	319940	RIKEN cDNA D330022K07 gene	-1.59	0.64	0.14
A_52_P462081	NM_020035	Pigo	56703	phosphatidylinositol glycan anchor biosynthesis, class O	-1.58	0.64	0.15
A_51_P334444	XM_131166	NA	NA	NA	-1.11	0.64	0.91
A_52_P681659	XM_485258	NA	NA	NA	-1.66	0.64	0.11
A_52_P608444	NM_133957	Nfat5	54446	nuclear factor of activated T-cells 5	-1.59	0.64	0.14
A_51_P265475	NM_022023	Gmfb	63985	glia maturation factor, beta	-1.37	0.64	0.33

A_52_P267779	NM_022887	Tsc1	64930	tuberous sclerosis 1	-1.85	0.64	0.04
A_51_P454002	NM_027129	2310035K2	69596	RIKEN cDNA 2310035K24 gene	-1.54	0.64	0.16
A_52_P549418	NM_011505	Stxbp4	20913	syntaxin binding protein 4	-1.78	0.64	0.06
A_51_P234025	NM_148930	Rbm5	83486	RNA binding motif protein 5	-1.28	0.64	0.50
A_51_P158073	NM_175687	A230050P2	319278	RIKEN cDNA A230050P20 gene	-1.62	0.64	0.13
A_52_P370878	NM_175489	Osbpl8	237542	oxysterol binding protein-like 8	-1.53	0.64	0.17
A_51_P366161	NM_010822	Mpg	268395	N-methylpurine-DNA glycosylase	-1.13	0.64	0.82
A_52_P442414	NM_172928	Dclk3	245038	doublecortin-like kinase 3	-1.23	0.64	0.55
A_51_P231920	NM_001013	Lman2l	214895	lectin, mannose-binding 2-like	-1.68	0.64	0.10
A_52_P247513	NM_207659	Hook3	320191	hook homolog 3 (Drosophila)	-1.11	0.64	0.91
A_52_P323669	NM_011155	Ppp5c	19060	protein phosphatase 5, catalytic subunit	-1.72	0.64	0.07
A_51_P420955	NM_021312	Wdr12	57750	WD repeat domain 12	-1.41	0.64	0.28
A_51_P165098	NM_028758	Gga2	74105	golgi associated, gamma adaptin ear containing, ARF binding protein 2	-1.21	0.64	0.61
A_52_P106294	NM_172587	Cdc14b	218294	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-1.22	0.64	0.58
A_52_P451796	NM_021890	Fads3	60527	fatty acid desaturase 3	-1.64	0.64	0.11
A_51_P463348	NM_007893	E4f1	13560	E4F transcription factor 1	-1.45	0.64	0.22
A_52_P541760	NA	NA	NA	NA	-1.38	0.64	0.33
A_51_P411355	NM_021441	Taf1c	21341	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	-1.52	0.64	0.18
A_51_P182693	NM_008727	Npr1	18160	natriuretic peptide receptor 1	-1.47	0.64	0.21
A_51_P320782	NM_019726	Gps2	56310	G protein pathway suppressor 2	-1.52	0.64	0.17
A_51_P297311	NM_134002	Csnk1g2	103236	casein kinase 1, gamma 2	-1.73	0.64	0.07
A_51_P416408	NM_181820	Tmc4	353499	transmembrane channel-like gene family 4	-1.26	0.64	0.53
A_51_P220055	NM_172404	Ccbl1	70266	cysteine conjugate-beta lyase 1	-1.26	0.64	0.53
A_51_P124485	AK087204	NA	NA	NA	-1.27	0.64	0.50
A_52_P399646	NM_025343	Rmnd1	66084	required for meiotic nuclear division 1 homolog (S. cerevisiae)	-1.47	0.63	0.21
A_51_P266668	NM_175403	Mlec	109154	malectin	-1.28	0.63	0.50
A_51_P244439	NM_173363	Eif5	217869	eukaryotic translation initiation factor 5	-1.17	0.63	0.70
A_51_P430327	NM_177992	Gmpr2	105446	guanosine monophosphate reductase 2	-1.35	0.63	0.34
A_51_P315720	NM_028312	Ccdc12	72654	coiled-coil domain containing 12	-1.41	0.63	0.27
A_52_P55053	NM_028358	Ssbp1	381760	single-stranded DNA binding protein 1	-1.23	0.63	0.55

A_51_P137111	NM_016681	Chek2	50883	CHK2 checkpoint homolog (<i>S. pombe</i>)	-1.50	0.63	0.20
A_51_P365952	NM_010067	Trdmt1	13434	tRNA aspartic acid methyltransferase 1	-1.37	0.63	0.33
A_51_P448946	NM_021372	Sertad2	58172	SERTA domain containing 2	-1.46	0.63	0.21
A_52_P51411	NM_001033	NA	NA	NA	-1.46	0.63	0.21
A_51_P118417	NM_029023	Scpep1	74617	serine carboxypeptidase 1	-1.67	0.63	0.10
A_51_P164207	NM_011842	Mta2	23942	metastasis-associated gene family, member 2	-1.08	0.63	1.04
A_51_P202014	NM_025579	Taf12	66464	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor	-1.67	0.63	0.10
A_52_P409760	NM_010492	Ica1	15893	islet cell autoantigen 1	-1.37	0.63	0.33
A_52_P172283	NM_130892	Rtn4ip1	170728	reticulon 4 interacting protein 1	-1.31	0.63	0.44
A_51_P247175	AK147743	Ints10	70885	integrator complex subunit 10	-1.31	0.63	0.40
A_52_P300500	AK017831	Gphn	268566	gephyrin	-1.50	0.63	0.20
A_51_P355472	NM_025385	Prr13	66151	proline rich 13	-1.74	0.63	0.07
A_51_P270666	NM_001013	Usp1	231915	ubiquitin specific peptidase like 1	-1.40	0.63	0.28
A_52_P51468	DT905805	Actr8	56249	ARP8 actin-related protein 8 homolog (<i>S. cerevisiae</i>)	-1.64	0.63	0.11
A_52_P181060	NM_022988	Nif3l1	65102	Ngg1 interacting factor 3-like 1 (<i>S. pombe</i>)	-1.69	0.63	0.09
A_52_P633163	NM_008650	Mut	17850	methylmalonyl-Coenzyme A mutase	-1.26	0.63	0.50
A_51_P264835	NM_010148	Epn2	13855	epsin 2	-1.43	0.63	0.24
A_51_P232551	NA	NA	NA	NA	-1.42	0.63	0.27
A_51_P226962	NM_015830	Solh	50817	small optic lobes homolog (<i>Drosophila</i>)	-1.49	0.63	0.20
A_51_P297647	NM_139302	Sh3glb2	227700	SH3-domain GRB2-like endophilin B2	-1.61	0.63	0.13
A_51_P140311	NM_010312	Gnb2	14693	guanine nucleotide binding protein (G protein), beta 2	-1.59	0.63	0.14
A_51_P390496	NM_139308	Stard7	99138	START domain containing 7	-1.11	0.63	0.91
A_52_P166833	AK088223	Snx5	69178	sorting nexin 5	-1.52	0.63	0.18
A_52_P187940	NA	NA	NA	NA	-1.64	0.63	0.11
A_52_P490910	NM_022424	Fndc4	64339	fibronectin type III domain containing 4	-1.76	0.63	0.07
A_52_P172199	NM_177226	Zfp629	320683	zinc finger protein 629	-1.45	0.63	0.22
A_52_P143287	NM_001005	Itgb4	192897	integrin beta 4	-1.17	0.63	0.77
A_52_P217978	AK173301	Wdr59	319481	WD repeat domain 59	-1.66	0.63	0.11
A_52_P460119	NA	NA	NA	NA	-1.55	0.63	0.16
A_52_P656565	NM_145488	Pex6	224824	peroxisomal biogenesis factor 6	-1.52	0.63	0.17
A_52_P93256	NM_011923	Angptl2	26360	angiopoietin-like 2	-1.56	0.63	0.15

A_51_P484054	NM_010172 F7	14068	coagulation factor VII	-1.69	0.63	0.09
A_52_P105040	NM_007450 Slc25a4	11739	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 4	-1.53	0.63	0.17
A_51_P100573	NM_011947 Map3k3	26406	mitogen-activated protein kinase kinase kinase 3	-1.71	0.63	0.07
A_51_P516057	NM_021466 Taf1a	21339	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, A	-1.36	0.63	0.34
A_51_P216085	NM_027026 Lrrc46	69297	leucine rich repeat containing 46	-1.13	0.63	0.82
A_51_P135242	NM_001045 Mink1	50932	misshapen-like kinase 1 (zebrafish)	-1.21	0.63	0.61
A_51_P353173	NM_133747 Fam98a	72722	family with sequence similarity 98, member A	-1.55	0.63	0.16
A_52_P598468	AK013710 Gtpbp5	52856	GTP binding protein 5	-1.64	0.63	0.11
A_52_P566741	NM_009333 Tcf7l2	21416	transcription factor 7-like 2, T-cell specific, HMG-box	-1.50	0.63	0.20
A_52_P330980	AK143126 Dennd5b	320560	DENN/MADD domain containing 5B	-1.45	0.63	0.22
A_52_P382876	NM_177692 Bloc1s3	232946	biogenesis of lysosome-related organelles complex-1, subunit 3	-1.54	0.63	0.16
A_51_P237945	NM_172394 Nup88	19069	nucleoporin 88	-1.40	0.63	0.28
A_51_P189343	NM_144941 Mtap7d1	245877	microtubule-associated protein 7 domain containing 1	-1.44	0.63	0.22
A_52_P184398	NM_019761 Nxt1	56488	NTF2-related export protein 1	-1.30	0.63	0.44
A_52_P559467	NA NA	NA	NA	-1.08	0.63	1.04
A_51_P303160	NM_007482 Arg1	11846	arginase, liver	-1.08	0.63	1.04
A_51_P187082	NM_008062 G6pdx	14381	glucose-6-phosphate dehydrogenase X-linked	-1.40	0.63	0.28
A_51_P219109	NM_008353 Il12rb1	16161	interleukin 12 receptor, beta 1	-1.43	0.63	0.24
A_51_P296057	NM_030680 Upf1	19704	UPF1 regulator of nonsense transcripts homolog (yeast)	-1.55	0.63	0.16
A_52_P545831	NM_201357 Tssc1	380752	tumor suppressing subtransferable candidate 1	-1.56	0.63	0.15
A_52_P188678	BC009088 Pvr12	19294	poliovirus receptor-related 2	-1.19	0.63	0.67
A_52_P654043	NM_144898 Msto1	229524	misato homolog 1 (Drosophila)	-1.56	0.63	0.15
A_51_P214083	NM_025966 2310039HC	67101	RIKEN cDNA 2310039H08 gene	-1.61	0.63	0.13
A_52_P214455	NM_146176 Cnot3	232791	CCR4-NOT transcription complex, subunit 3	-1.38	0.63	0.30
A_51_P438461	NM_001008 Wdr34	71820	WD repeat domain 34	-1.61	0.63	0.13
A_51_P490204	NM_026398 Pop5	117109	processing of precursor 5, ribonuclease P/MRP family (S. cerevisiae)	-1.55	0.63	0.16
A_51_P490171	NM_011956 Nubp2	26426	nucleotide binding protein 2	-1.84	0.63	0.04

A_52_P134083	NM_180962	Cyhr1	54151	cysteine and histidine rich 1	-1.45	0.63	0.22
A_51_P498267	NA	NA	NA	NA	-1.52	0.63	0.18
A_52_P263251	NM_026077	3110040N167290		RIKEN cDNA 3110040N11 gene	-1.54	0.63	0.16
A_52_P964362	AW455994	NA	NA	NA	-1.50	0.63	0.20
A_51_P220407	NM_181405	Rnpepl1	108657	arginyl aminopeptidase (aminopeptidase B)-like 1	-1.60	0.63	0.14
A_52_P439085	AK164377	Stk24	223255	serine/threonine kinase 24 (STE20 homolog, yeast)	-1.32	0.63	0.40
A_52_P377416	NM_026866	Disp1	68897	dispatched homolog 1 (Drosophila)	-1.52	0.63	0.18
A_51_P379399	NM_172117	Entpd6	12497	ectonucleoside triphosphate diphosphohydrolase 6	-1.54	0.63	0.16
A_52_P594049	NM_175419	Actr5	109275	ARP5 actin-related protein 5 homolog (yeast)	-1.31	0.63	0.44
A_51_P124748	NM_009368	Tgfb3	21809	transforming growth factor, beta 3	-1.29	0.63	0.46
A_52_P180408	NM_026602	Bcas2	68183	breast carcinoma amplified sequence 2	-1.36	0.63	0.34
A_51_P281734	NM_172775	Plxnb1	235611	plexin B1	-1.28	0.63	0.46
A_51_P504503	NM_010091	Dvl1	13542	dishevelled, dsh homolog 1 (Drosophila)	-1.45	0.63	0.22
A_51_P103069	XM_983304	NA	NA	NA	-1.31	0.63	0.44
A_51_P284823	NM_009086	Polr1b	20017	polymerase (RNA) I polypeptide B	-1.19	0.63	0.67
A_51_P100565	NA	NA	NA	NA	-1.24	0.63	0.55
A_51_P195237	NM_181649	Ccdc75	53951	coiled-coil domain containing 75	-1.21	0.63	0.61
A_51_P490997	M89786	Gas2l1	78926	growth arrest-specific 2 like 1	-1.33	0.63	0.40
A_52_P170945	NM_146178	Ccdc106	232821	coiled-coil domain containing 106	-1.59	0.63	0.14
A_52_P482825	NM_019405	Cetn2	26370	centrin 2	-1.32	0.63	0.40
A_51_P366542	NM_011925	Cd97	26364	CD97 antigen	-1.39	0.63	0.28
A_51_P250378	NM_009579	Slc30a1	22782	solute carrier family 30 (zinc transporter), member 1	-1.35	0.63	0.37
A_51_P404377	NM_009708	Rnd2	11858	Rho family GTPase 2	-1.42	0.63	0.27
A_51_P439824	NM_018771	Gipc1	67903	GIPC PDZ domain containing family, member 1	-1.66	0.63	0.11
A_51_P222773	NM_010446	Foxa2	15376	forkhead box A2	-1.18	0.63	0.67
A_51_P209319	NM_016752	Slc35b1	110172	solute carrier family 35, member B1	-1.27	0.63	0.50
A_52_P256929	NM_008624	Mras	17532	muscle and microspikes RAS	-1.25	0.63	0.55
A_51_P521128	NM_019825	Ncoa6	56406	nuclear receptor coactivator 6	-1.55	0.63	0.16
A_51_P117739	NM_010216	Figf	14205	c-fos induced growth factor	-1.47	0.63	0.21
A_51_P402225	XM_203596	NA	NA	NA	-1.49	0.63	0.20

A_52_P298158	NM_172605	Tdrd3	219249	tudor domain containing 3	-1.29	0.63	0.46
A_51_P206971	NM_008612	Mnat1	17420	menage a trois 1	-1.55	0.63	0.16
A_51_P452779	NM_133198	Pygl	110095	liver glycogen phosphorylase	-1.94	0.63	0.03
A_52_P624434	NM_175526	Clec1a	243653	C-type lectin domain family 1, member a	-1.77	0.63	0.06
A_52_P485433	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-1.32	0.63	0.40
A_52_P18229	NM_146156	Pdik1l	230809	PDLIM1 interacting kinase 1 like	-1.60	0.63	0.14
A_52_P559061	AK129282	Spast	50850	spastin	-1.10	0.63	0.91
A_52_P539414	NM_181410	Gtf2h3	209357	general transcription factor IIH, polypeptide 3	-1.14	0.63	0.82
A_52_P99082	NA	NA	NA	NA	-1.10	0.63	0.91
A_52_P494497	AK078131	Gtf2a1	83602	general transcription factor II A, 1	-1.43	0.63	0.24
A_51_P506356	NM_026316	Aldh3b1	67689	aldehyde dehydrogenase 3 family, member B1	-1.38	0.63	0.30
A_51_P185465	NM_023596	Slc29a3	71279	solute carrier family 29 (nucleoside transporters), member 3	-1.44	0.63	0.22
A_52_P466741	NM_011826	Hax1	23897	HCLS1 associated X-1	-1.45	0.63	0.22
A_52_P987564	AK049456	Wdfy3	72145	WD repeat and FYVE domain containing 3	-1.43	0.63	0.24
A_51_P312310	NM_134092	Mtbp	105837	Mdm2, transformed 3T3 cell double minute p53 binding protein	-1.48	0.63	0.20
A_51_P205170	NM_146175	Zfp282	101095	zinc finger protein 282	-1.58	0.63	0.15
A_51_P359586	NM_008824	Pfkfb1	18639	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	-1.48	0.63	0.20
A_52_P502461	NM_029862	5930434B0	381356	RIKEN cDNA 5930434B04 gene	-1.56	0.63	0.15
A_51_P297470	NM_025511	Fam36a	66359	family with sequence similarity 36, member A	-1.31	0.63	0.44
A_51_P269320	NM_009634	Adsl	11564	adenylosuccinate lyase	-1.58	0.63	0.15
A_52_P535052	NM_198023	Rcor1	217864	REST corepressor 1	-1.31	0.63	0.40
A_51_P224575	NM_010322	Gnpat	14712	glyceronephosphate O-acyltransferase	-1.79	0.63	0.06
A_51_P103780	NM_145512	Sft2d2	108735	SFT2 domain containing 2	-1.31	0.63	0.40
A_51_P468418	NM_145618	Narg2	93697	NMDA receptor-regulated gene 2	-1.23	0.63	0.55
A_51_P406145	NM_025509	Ostc	66357	oligosaccharyltransferase complex subunit	-1.29	0.63	0.46
A_52_P281820	NM_029793	Golga1	76899	golgi autoantigen, golgin subfamily a, 1	-1.13	0.63	0.82
A_51_P376789	NM_145387	Ath1l	212974	ATH1, acid trehalase-like 1 (yeast)	-1.64	0.63	0.11
A_51_P208701	NM_178051	Mterfd2	69821	MTERF domain containing 2	-1.30	0.63	0.44
A_52_P396239	NM_153573	Fkbp14	231997	FK506 binding protein 14	-1.11	0.63	0.91
A_51_P378777	NM_029090	Nat15	74763	N-acetyltransferase 15 (GCN5-related, putative)	-1.29	0.63	0.46
A_51_P225832	NM_028314	2700097O0	72658	RIKEN cDNA 2700097O09 gene	-1.09	0.63	0.97

A_52_P277104	NM_001033: Bank1	242248	B-cell scaffold protein with ankyrin repeats 1	-1.50	0.63	0.20
A_51_P207706	NM_173375 Fam180a	208164	family with sequence similarity 180, member A	-1.44	0.63	0.22
A_51_P106752	NM_026440 Rnmt	67897	RNA (guanine-7-) methyltransferase	-1.49	0.63	0.20
A_51_P408609	NM_011989 Slc27a4	26569	solute carrier family 27 (fatty acid transporter), member 4	-1.78	0.63	0.06
A_51_P357341	NM_033444 Clic1	114584	chloride intracellular channel 1	-1.27	0.63	0.50
A_52_P54238	NM_178919 Lmf2	105847	lipase maturation factor 2	-1.87	0.63	0.04
A_52_P284346	NM_133976 Imp3	102462	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)	-1.53	0.63	0.17
A_52_P70235	AK035426 Cdkn2aip	70925	CDKN2A interacting protein	-1.27	0.63	0.50
A_52_P474797	NM_175109 Rps19bp1	66538	ribosomal protein S19 binding protein 1	-1.31	0.63	0.44
A_51_P140368	NM_026844 2310061C1	66531	RIKEN cDNA 2310061C15 gene	-1.60	0.63	0.13
A_51_P482600	AK006780 Btf3	218490	basic transcription factor 3	-1.38	0.63	0.30
A_51_P202440	NM_011243 Rarb	218772	retinoic acid receptor, beta	-1.40	0.63	0.28
A_51_P466759	NM_028993 9130404D0	74549	RIKEN cDNA 9130404D08 gene	-1.29	0.63	0.46
A_52_P339182	NM_017463 Pbx2	18515	pre B-cell leukemia transcription factor 2	-1.81	0.63	0.05
A_51_P211325	NM_025539 Nudt2	66401	nudix (nucleoside diphosphate linked moiety X)-type motif 2	-1.86	0.63	0.04
A_52_P260676	AK053668 Smek1	68734	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	-1.39	0.63	0.30
A_52_P23576	AK030792 Ccdc148	227933	coiled-coil domain containing 148	-2.00	0.63	0.02
A_51_P118720	NM_026274 Rspry1	67610	ring finger and SPRY domain containing 1	-1.36	0.63	0.34
A_51_P102789	NM_007574 C1qc	12262	complement component 1, q subcomponent, C chain	-1.37	0.63	0.33
A_52_P113465	AK173007 Kif1c	16562	kinesin family member 1C	-1.59	0.63	0.14
A_52_P118560	NM_027552 Kynu	70789	kynureninase (L-kynurenine hydrolase)	-1.70	0.63	0.09
A_51_P513785	NM_007794 Ctf	13018	CCCTC-binding factor	-1.84	0.63	0.04
A_51_P213592	XM_484171 BC002230	217827	cDNA sequence BC002230	-1.82	0.63	0.05
A_51_P412705	AK042960 NA	NA	NA	-1.17	0.63	0.70
A_52_P434009	NM_001024 NA	NA	NA	-1.66	0.63	0.11
A_51_P407638	DV066569 NA	NA	NA	-1.37	0.63	0.33
A_52_P324574	NM_026485 Trabd	67976	TraB domain containing	-1.19	0.63	0.67
A_51_P485791	NM_020010 Cyp51	13121	cytochrome P450, family 51	-1.20	0.63	0.61
A_52_P19016	NM_016680 Sfrs16	53609	splicing factor, arginine/serine-rich 16	-1.17	0.63	0.77

A_51_P468294	NM_017462	Polg	18975	polymerase (DNA directed), gamma	-1.68	0.63	0.10
A_51_P317505	NM_008673	Nat1	17960	N-acetyl transferase 1	-1.61	0.63	0.13
A_51_P450955	NM_176830	11100360C	66180	RIKEN cDNA 11100360O3 gene	-1.26	0.63	0.53
A_52_P636343	NM_178398	Wipi2	74781	WD repeat domain, phosphoinositide interacting 2	-1.66	0.63	0.11
A_51_P362161	NM_033526	Ubqln4	94232	ubiquilin 4	-1.42	0.63	0.27
A_51_P322989	BC067010	2410017P0	69709	RIKEN cDNA 2410017P09 gene	-1.40	0.63	0.28
A_52_P189246	BC066847	Mtm1	17772	X-linked myotubular myopathy gene 1	-1.42	0.63	0.27
A_51_P393671	BC024498	Tm6sf2	107770	transmembrane 6 superfamily member 2	-1.59	0.63	0.14
A_51_P313761	NM_028230	Shmt2	108037	serine hydroxymethyltransferase 2 (mitochondrial)	-1.44	0.63	0.22
A_52_P90507	NM_172499	Mfsd9	211798	major facilitator superfamily domain containing 9	-1.49	0.63	0.20
A_52_P33	NM_025667	Tmem222	52174	transmembrane protein 222	-1.64	0.63	0.11
A_52_P614336	NM_011116	Pld3	18807	phospholipase D family, member 3	-1.50	0.63	0.20
A_51_P511927	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-1.46	0.63	0.21
A_52_P571591	NM_011791	Ash2l	23808	ash2 (absent, small, or homeotic)-like (Drosophila)	-1.49	0.63	0.20
A_52_P575020	AK078599	Crls1	66586	cardiolipin synthase 1	-1.53	0.63	0.17
A_51_P357207	XM_899439	NA	NA	NA	-1.53	0.63	0.17
A_51_P408989	NM_026038	2810055F1	67217	RIKEN cDNA 2810055F11 gene	-1.40	0.63	0.28
A_52_P173470	NM_027493	Actr8	56249	ARP8 actin-related protein 8 homolog (<i>S. cerevisiae</i>)	-1.38	0.63	0.30
A_51_P157554	NM_012047	Brd7	26992	bromodomain containing 7	-1.68	0.63	0.10
A_51_P444092	NM_011999	Clec4a2	26888	C-type lectin domain family 4, member a2 small glutamine-rich tetratricopeptide repeat (TPR)- containing, beta	-1.59	0.62	0.14
A_51_P433769	NM_144838	Sgtb	218544	containing, beta	-1.47	0.62	0.21
A_52_P264229	NM_025454	Ing5	66262	inhibitor of growth family, member 5	-1.34	0.62	0.37
A_51_P198076	NM_025559	1810046J1	103742	RIKEN cDNA 1810046J19 gene	-1.72	0.62	0.07
A_51_P376258	NM_008133	Glud1	14661	glutamate dehydrogenase 1	-1.41	0.62	0.27
A_52_P83419	BC021536	0610012G0	106264	RIKEN cDNA 0610012G03 gene	-1.48	0.62	0.20
A_52_P41545	NM_172513	Fam126b	213056	family with sequence similarity 126, member B	-1.33	0.62	0.37
A_51_P234174	NM_008886	Pms2	18861	postmeiotic segregation increased 2 (<i>S. cerevisiae</i>)	-1.61	0.62	0.13
A_52_P458000	NM_178901	AI467606	101602	expressed sequence AI467606	-1.49	0.62	0.20

A_52_P515057	NM_172685	Slc25a24	229731	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	-1.43	0.62	0.24
A_51_P346523	NM_177027	Zcchc7	319885	zinc finger, CCHC domain containing 7	-1.13	0.62	0.86
A_52_P1197653	CB590277	Uvrag	78610	UV radiation resistance associated gene	-1.48	0.62	0.20
A_52_P102248	XM_620516	Mex3b	108797	mex3 homolog B (C. elegans)	-1.81	0.62	0.05
A_52_P555235	NM_026446	Rgs19	56470	regulator of G-protein signaling 19	-1.29	0.62	0.46
A_51_P329966	NM_138594	D6Wsu163	28040	DNA segment, Chr 6, Wayne State University 163, expressed	-1.56	0.62	0.15
A_51_P376313	NM_173719	Med8	80509	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	-1.57	0.62	0.15
A_52_P182741	NM_020618	Smarce1	57376	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	-1.47	0.62	0.21
A_51_P484027	NM_134158	AF251705	140497	cDNA sequence AF251705	-1.52	0.62	0.18
A_52_P551154	NA	NA	NA	NA	-1.26	0.62	0.53
A_52_P158305	AK148028	2810002D1	166457	RIKEN cDNA 2810002D19 gene	-1.50	0.62	0.20
A_51_P120461	NM_025910	Mina	67014	myc induced nuclear antigen	-1.85	0.62	0.04
A_51_P155843	XM_887155	Igsf10	242050	immunoglobulin superfamily, member 10	-1.39	0.62	0.28
A_51_P515173	NM_172941	Zkscan17	268417	zinc finger with KRAB and SCAN domains 17	-1.61	0.62	0.13
A_52_P431965	NM_134134	Hmgxb3	106894	HMG box domain containing 3	-1.52	0.62	0.18
A_52_P169198	AK014097	Rdh14	105014	retinol dehydrogenase 14 (all-trans and 9-cis)	-1.48	0.62	0.20
A_51_P188704	AK170263	Unc13a	382018	unc-13 homolog A (C. elegans)	-1.48	0.62	0.20
A_52_P658513	NM_009057	Rag1ap1	19729	recombination activating gene 1 activating protein 1	-1.48	0.62	0.20
A_52_P559498	NM_007713	Clk3	102414	CDC-like kinase 3	-1.74	0.62	0.07
A_51_P477285	AK090016	1810014B0	66263	RIKEN cDNA 1810014B01 gene	-1.33	0.62	0.40
A_52_P423574	NM_021390	Sall1	58198	sal-like 1 (Drosophila)	-1.52	0.62	0.18
A_52_P370353	NM_178616	Psmd11	69077	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	-1.64	0.62	0.11
A_52_P196743	NM_026450	Zfp169	67911	zinc finger protein 169	-1.63	0.62	0.11
A_51_P199866	NM_023371	Pin1	23988	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1	-1.66	0.62	0.11
A_51_P312748	NM_027695	Oxsm	71147	3-oxoacyl-ACP synthase, mitochondrial	-1.46	0.62	0.21
A_51_P258465	NM_153161	BC037034	231807	cDNA sequence BC037034	-1.74	0.62	0.07

A_52_P337478	NM_028874	Snx19	102607	sorting nexin 19	-1.59	0.62	0.14
A_51_P303640	NM_023651	Pex13	72129	peroxisomal biogenesis factor 13	-1.63	0.62	0.12
A_51_P130447	AK050586	C920006O1320295		RIKEN cDNA C920006O11 gene	-1.50	0.62	0.20
A_52_P37826	NM_029653	Dapk1	69635	death associated protein kinase 1	-1.14	0.62	0.82
A_51_P267494	NM_026514	Cdc42ep3	260409	CDC42 effector protein (Rho GTPase binding) 3	-1.41	0.62	0.28
A_52_P584236	NM_009682	Ap3s2	11778	adaptor-related protein complex 3, sigma 2 subunit	-1.49	0.62	0.20
A_51_P312528	NM_020004	Kat2a	14534	K(llysine) acetyltransferase 2A SPC24, NDC80 kinetochore complex component,	-1.65	0.62	0.11
A_51_P214209	NM_026282	Spc24	67629	homolog (S. cerevisiae)	-1.10	0.62	0.97
A_52_P748067	AI608034	NA	NA	NA	-1.49	0.62	0.20
A_51_P245631	NM_028713	Rftn2	74013	raftlin family member 2	-1.58	0.62	0.15
A_51_P153289	NM_026522	Chid1	68038	chitinase domain containing 1	-1.55	0.62	0.16
A_52_P429364	NM_177471	Ccdc69	52570	coiled-coil domain containing 69	-1.31	0.62	0.44
A_52_P179011	NM_177312	6330408AC321008		RIKEN cDNA 6330408A02 gene	-1.60	0.62	0.14
A_51_P212630	NM_201637	Chd8	67772	chromodomain helicase DNA binding protein 8	-1.20	0.62	0.61
A_52_P40293	NM_013547	Hgd	15233	homogentisate 1, 2-dioxygenase	-1.19	0.62	0.67
A_52_P674418	NM_175128	4930430F068281		RIKEN cDNA 4930430F08 gene	-1.35	0.62	0.34
A_52_P250865	CJ243128	NA	NA	NA	-1.41	0.62	0.27
A_51_P358112	NM_146094	Fads1	76267	fatty acid desaturase 1	-1.26	0.62	0.53
A_52_P273748	NM_028130	Zfp157	72154	zinc finger protein 157	-1.70	0.62	0.09
A_51_P454993	NM_178874	Tmcc2	68875	transmembrane and coiled-coil domains 2	-1.44	0.62	0.24
A_51_P411007	NM_013812	Cdk2ap1	13445	CDK2 (cyclin-dependent kinase 2)-associated protein 1	-1.45	0.62	0.22
A_51_P296416	NM_019716	Orc6l	56452	origin recognition complex, subunit 6-like (S. cerevisiae)	-1.55	0.62	0.16
A_52_P652442	NM_013646	Rora	19883	RAR-related orphan receptor alpha	-1.14	0.62	0.82
A_51_P278334	NM_013703	Vldlr	22359	very low density lipoprotein receptor	-1.22	0.62	0.61
A_51_P198387	NM_026765	Uckl1	68556	uridine-cytidine kinase 1-like 1	-1.42	0.62	0.27
A_52_P552589	NM_008279	Map4k1	26411	mitogen-activated protein kinase kinase kinase kinase 1	-1.27	0.62	0.50
A_52_P621567	CO038910	NA	NA	NA	-1.41	0.62	0.27
A_52_P657963	AK045618	Phka2	110094	phosphorylase kinase alpha 2	-1.59	0.62	0.14
A_52_P659448	AK078975	1E+08	1E+08	predicted gene, 100042802	-1.12	0.62	0.86

A_51_P103509	NM_019720	Cyb561d2	56368	cytochrome b-561 domain containing 2	-1.55	0.62	0.16
A_51_P279163	NM_172285	Plcg2	234779	phospholipase C, gamma 2	-1.56	0.62	0.15
A_51_P400868	NM_001032	Pecam1	18613	platelet/endothelial cell adhesion molecule 1	-1.58	0.62	0.15
A_51_P183912	NM_016671	Il27ra	50931	interleukin 27 receptor, alpha	-1.46	0.62	0.21
A_51_P118650	NM_031392	Wdr6	83669	WD repeat domain 6	-1.58	0.62	0.15
A_52_P61265	BC012698	NA	NA	NA	-1.44	0.62	0.24
A_51_P468173	NM_008251	Hmgn1	15312	high mobility group nucleosomal binding domain 1	-1.61	0.62	0.13
A_51_P271697	NM_145608	BC021891	234878	cDNA sequence BC021891	-1.55	0.62	0.16
A_52_P108808	NA	NA	NA	NA	-1.35	0.62	0.37
A_51_P485391	NM_028761	Parn	74108	poly(A)-specific ribonuclease (deadenylation nuclease)	-1.81	0.62	0.05
A_52_P883800	AK051623	Bag4	67384	BCL2-associated athanogene 4	-1.67	0.62	0.10
A_51_P492676	NM_138665	Sardh	192166	sarcosine dehydrogenase	-1.64	0.62	0.11
A_51_P261107	NM_139144	Ogt	108155	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-1.27	0.62	0.50
A_52_P435356	NM_028071	Cotl1	72042	coactosin-like 1 (Dictyostelium)	-1.57	0.62	0.15
A_52_P306537	NM_146157	C230096C1	230866	RIKEN cDNA C230096C10 gene	-1.42	0.62	0.27
A_51_P434776	NM_028101	Jmjd8	72106	jumonji domain containing 8	-1.53	0.62	0.17
A_52_P818642	AK018045	5830469G	176093	RIKEN cDNA 5830469G19 gene	-1.52	0.62	0.17
A_51_P378825	NM_027493	Actr8	56249	ARP8 actin-related protein 8 homolog (<i>S. cerevisiae</i>)	-1.67	0.62	0.10
A_52_P677272	NM_177262	Pkn1	320795	protein kinase N1	-1.58	0.62	0.15
A_52_P313080	NM_010448	Hnrnpab	15384	heterogeneous nuclear ribonucleoprotein A/B	-1.20	0.62	0.67
A_52_P97699	BC058677	D430019H	268595	RIKEN cDNA D430019H16 gene	-1.18	0.62	0.70
A_52_P108021	BC030902	D430042O	233865	RIKEN cDNA D430042O09 gene	-1.72	0.62	0.07
A_52_P579876	NM_178622	Suds3	71954	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	-1.52	0.62	0.18
A_51_P452768	NM_022434	Cyp4f14	64385	cytochrome P450, family 4, subfamily f, polypeptide 14	-1.35	0.62	0.34
A_51_P108252	NM_029522	Gpsm2	76123	G-protein signalling modulator 2 (AGS3-like, <i>C. elegans</i>)	-1.71	0.62	0.09

A_52_P411305	AK083363	Tsc1	64930	tuberous sclerosis 1	-1.51	0.62	0.20
A_51_P190805	NM_007456	Ap1m1	11767	adaptor-related protein complex AP-1, mu subunit 1	-1.67	0.62	0.10
A_51_P397548	NM_175374	Mtrf1l	108853	mitochondrial translational release factor 1-like	-1.71	0.62	0.09
A_51_P166244	BC076637	Osbpl1a	64291	oxysterol binding protein-like 1A	-1.60	0.62	0.14
A_52_P168449	NM_011161	Mapk11	19094	mitogen-activated protein kinase 11	-1.51	0.62	0.20
A_52_P167249	NM_013758	Add3	27360	adducin 3 (gamma) HECT, C2 and WW domain containing E3 ubiquitin	-1.33	0.62	0.40
A_52_P153685	AK129325	Hecw2	329152	protein ligase 2	-1.75	0.62	0.07
A_52_P81630	AK012631	2810001G2	66456	RIKEN cDNA 2810001G20 gene	-1.54	0.62	0.16
A_52_P683315	NM_134089	Scrib	105782	scribbled homolog (Drosophila)	-1.69	0.62	0.09
A_52_P83233	NM_011728	Xpa	22590	xeroderma pigmentosum, complementation group A	-1.59	0.62	0.14
A_51_P461219	NM_178693	Coq4	227683	coenzyme Q4 homolog (yeast)	-1.64	0.62	0.11
A_51_P424810	NM_133762	Ncapg2	76044	non-SMC condensin II complex, subunit G2	-1.79	0.62	0.06
A_52_P567306	NM_010688	Lasp1	16796	LIM and SH3 protein 1	-1.61	0.62	0.13
A_52_P562769	NM_177111	Ccdc66	320234	coiled-coil domain containing 66	-1.15	0.62	0.82
A_51_P375453	NM_139298	Wnt9a	216795	wingless-type MMTV integration site 9A	-1.61	0.62	0.13
A_51_P327920	AK030273	St7l	229681	suppression of tumorigenicity 7-like	-1.31	0.62	0.44
A_52_P671013	AK020497	9430079G2	77291	RIKEN cDNA 9430079G20 gene	-1.11	0.62	0.86
A_52_P325900	BC072644	Cdc14a	229776	CDC14 cell division cycle 14 homolog A (<i>S. cerevisiae</i>)	-1.54	0.62	0.16
A_52_P56606	NM_173015	Mon1b	270096	MON1 homolog b (yeast)	-1.38	0.62	0.30
A_51_P159711	NM_053070	Car7	12354	carbonic anhydrase 7 protein kinase, AMP-activated, gamma 1 non-catalytic	-1.39	0.62	0.30
A_52_P273546	NM_016781	Prkag1	19082	subunit	-1.52	0.62	0.18
A_52_P392247	NM_027590	Ints10	70885	integrator complex subunit 10	-1.09	0.62	0.97
A_52_P580842	NM_023314	Eif4e2	26987	eukaryotic translation initiation factor 4E member 2	-1.59	0.62	0.14
A_52_P349467	AK051339	Tmlhe	192289	trimethyllysine hydroxylase, epsilon	-1.65	0.62	0.11
A_52_P4201	NM_008092	Gata4	14463	GATA binding protein 4	-1.65	0.62	0.11
A_51_P384436	NM_001033	Ctrc	76701	chymotrypsin C (caldecrin)	-1.41	0.62	0.27
A_52_P339742	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-1.88	0.62	0.04
A_52_P342015	NA	NA	NA	NA	-1.42	0.62	0.27

A_51_P355243	AK028520	Pstk	214580	phosphoseryl-tRNA kinase	-1.57	0.62	0.15
A_51_P402267	NM_134069	Slc17a3	105355	solute carrier family 17 (sodium phosphate), member 3	-1.34	0.62	0.37
A_52_P462239	AK084087	D130020G	320972	RIKEN cDNA D130020G16 gene	-1.68	0.62	0.10
A_51_P464838	AF208109	Il17rb	50905	interleukin 17 receptor B	-1.39	0.62	0.30
A_51_P292127	NM_027629	Pgm211	70974	phosphoglucomutase 2-like 1	-1.20	0.62	0.61
A_51_P471940	AK156814	Mrpl44	69163	mitochondrial ribosomal protein L44	-1.63	0.62	0.11
A_51_P463849	NM_009541	Zbtb17	22642	zinc finger and BTB domain containing 17	-1.75	0.62	0.07
A_51_P431047	NM_009182	St8sia3	20451	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3	-1.24	0.62	0.55
A_51_P129557	NM_028756	Slc35a5	74102	solute carrier family 35, member A5	-1.42	0.62	0.27
A_52_P529790	AK162596	Ppip5k1	327655	diphosphoinositol pentakisphosphate kinase 1	-1.38	0.62	0.30
A_52_P27012	NM_028284	Bbs5	72569	Bardet-Biedl syndrome 5 (human)	-1.44	0.62	0.22
A_51_P506915	NM_019762	Pkp3	56460	plakophilin 3	-1.59	0.62	0.14
A_51_P303791	AK035610	9530076L1	328192	hypothetical protein 9530076L18	-1.23	0.62	0.58
A_51_P238165	X68951	NA	NA	NA	-1.36	0.62	0.34
A_51_P220162	NM_008716	Notch3	18131	Notch gene homolog 3 (Drosophila)	-1.54	0.62	0.16
A_52_P338059	AK009216	Naif1	71254	nuclear apoptosis inducing factor 1	-1.62	0.62	0.12
A_51_P476660	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	-1.27	0.62	0.50
A_51_P227108	NM_029752	Bri3bp	76809	Bri3 binding protein	-1.64	0.62	0.11
A_51_P518586	NM_013536	Emg1	14791	EMG1 nucleolar protein homolog (S. cerevisiae)	-1.43	0.62	0.24
A_52_P496775	BC075636	Vangl2	93840	vang-like 2 (van gogh, Drosophila)	-1.54	0.62	0.16
A_51_P108923	AK035046	NA	NA	NA	-2.03	0.62	0.02
A_52_P5454	NM_054042	Cd248	70445	CD248 antigen, endosialin	-1.73	0.62	0.07
A_51_P395164	NM_145122	Pex16	18633	peroxisomal biogenesis factor 16	-1.52	0.62	0.18
A_52_P513041	AK220506	Fry	320365	furry homolog (Drosophila)	-1.68	0.62	0.10
A_51_P430585	NM_026740	Slc46a1	52466	solute carrier family 46, member 1	-1.20	0.62	0.61
A_52_P596755	NM_207161	BC048355	381101	cDNA sequence BC048355	-1.43	0.62	0.24
A_51_P262230	NM_145466	A2ld1	223267	AIG2-like domain 1	-1.54	0.62	0.16
A_51_P367563	NM_025789	Rsph3a	66832	radial spoke 3A homolog (Chlamydomonas)	-1.55	0.62	0.16
A_51_P368894	NM_008262	Onecut1	15379	one cut domain, family member 1	-1.41	0.62	0.27
A_51_P244531	AK147342	6330403L0	70744	RIKEN cDNA 6330403L08 gene	-1.24	0.62	0.55

A_52_P504771	NM_016882	Sart1	20227	squamous cell carcinoma antigen recognized by T-cells 1	-1.60	0.62	0.13
A_51_P385635	NM_026744	Mrpl53	68499	mitochondrial ribosomal protein L53	-1.97	0.62	0.03
A_52_P947482	AK045058	NA	NA	NA	-1.42	0.62	0.27
A_52_P44824	NA	NA	NA	NA	-1.50	0.62	0.20
A_52_P252195	NM_027388	Pigw	70325	phosphatidylinositol glycan anchor biosynthesis, class W	-1.72	0.62	0.07
A_52_P160518	NM_019460	Sfmbt1	54650	Scm-like with four mbt domains 1	-1.23	0.62	0.58
A_51_P336391	NM_172049	Tmem18	211986	transmembrane protein 18	-1.31	0.62	0.44
A_51_P344878	NM_022653	Thop1	50492	thimet oligopeptidase 1	-1.66	0.62	0.11
A_51_P110931	NM_029602	1700022C2	76416	RIKEN cDNA 1700022C21 gene	-1.66	0.62	0.11
A_52_P325029	BC067037	2210009G2	74243	RIKEN cDNA 2210009G21 gene	-1.71	0.62	0.07
A_51_P413419	NM_019761	Nxt1	56488	NTF2-related export protein 1	-1.57	0.62	0.15
A_51_P182462	NM_010688	Lasp1	16796	LIM and SH3 protein 1	-1.51	0.62	0.18
A_51_P317272	NM_001024	Bod1	69556	bioorientation of chromosomes in cell division 1	-1.81	0.62	0.05
A_52_P577291	AK140834	Gm3626	1E+08	predicted gene 3626	-1.66	0.62	0.11
A_51_P220723	NM_026592	B230118H0	68170	RIKEN cDNA B230118H07 gene	-1.26	0.62	0.53
A_51_P437697	NM_011826	Hax1	23897	HCLS1 associated X-1	-1.78	0.62	0.06
A_52_P680681	NM_175260	Myh10	77579	myosin, heavy polypeptide 10, non-muscle	-1.24	0.62	0.55
A_51_P212754	NM_009369	Tgfb1	21810	transforming growth factor, beta induced	-1.46	0.62	0.21
A_51_P424641	BC022653	Sirt4	75387	sirtuin 4 (silent mating type information regulation 2 homolog) 4 (<i>S. cerevisiae</i>)	-1.34	0.62	0.37
A_51_P323812	NM_133661	Slc6a12	14411	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	-1.71	0.62	0.07
A_51_P268514	AK135532	6820445E2	1E+08	RIKEN cDNA 6820445E23 gene	-1.21	0.62	0.61
A_51_P419111	NM_021504	Ngly1	59007	N-glycanase 1	-1.40	0.62	0.28
A_51_P391495	NM_008893	Pola2	18969	polymerase (DNA directed), alpha 2	-1.56	0.62	0.15
A_51_P189870	AK129469	Ears2	67417	glutamyl-tRNA synthetase 2 (mitochondrial)(putative)	-1.54	0.62	0.16
A_51_P303095	NM_024477	Ttc28	209683	tetratricopeptide repeat domain 28	-1.44	0.62	0.22
A_51_P125446	NM_026963	Lzic	69151	leucine zipper and CTNNBIP1 domain containing	-1.28	0.62	0.50
A_51_P430383	NM_025362	Dnajc30	66114	Dnaj (Hsp40) homolog, subfamily C, member 30	-1.29	0.62	0.46
A_51_P294445	NM_019396	Cyhr1	54151	cysteine and histidine rich 1	-1.88	0.62	0.04
A_52_P739682	AK084329	NA	NA	NA	-1.46	0.62	0.21

A_51_P397639	AK147241	Trrap	100683	transformation/transcription domain-associated protein	-1.94	0.62	0.03
A_52_P600750	NA	NA	NA	NA	-1.43	0.62	0.24
A_51_P476509	NM_175537	Zbtb38	245007	zinc finger and BTB domain containing 38	-1.22	0.62	0.58
A_52_P526750	NM_153583	Atg4d	235040	autophagy-related 4D (yeast)	-1.98	0.62	0.03
A_51_P133575	NM_153775	Ctu2	66965	cytosolic thiouridylase subunit 2 homolog (S. pombe)	-1.59	0.62	0.14
A_52_P234695	XM_896388	NA	NA	NA	-1.58	0.62	0.15
A_51_P208355	NM_025676	Mcm8	66634	minichromosome maintenance deficient 8 (S. cerevisiae)	-1.77	0.62	0.06
A_51_P367947	NM_172525	Arhgap29	214137	Rho GTPase activating protein 29	-1.20	0.61	0.61
A_51_P488510	NM_145221	Appl1	72993	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	-1.16	0.61	0.77
A_51_P419925	BC058405	E130112L2	268739	RIKEN cDNA E130112L23 gene	-1.42	0.61	0.27
A_52_P532033	NM_009210	Hltf	20585	helicase-like transcription factor	-1.56	0.61	0.15
A_52_P241732	NM_145122	Pex16	18633	peroxisomal biogenesis factor 16	-1.31	0.61	0.44
A_52_P541752	NM_030143	Ddit4l	73284	DNA-damage-inducible transcript 4-like	-1.73	0.61	0.07
A_52_P355197	NM_010269	Gdap2	14547	ganglioside-induced differentiation-associated-protein 2	-1.18	0.61	0.67
A_52_P162538	AK172123	Chmp6	208092	chromatin modifying protein 6	-1.60	0.61	0.14
A_51_P321033	NM_026366	N6amt1	67768	N-6 adenine-specific DNA methyltransferase 1 (putative)	-1.26	0.61	0.53
A_52_P215278	AK048772	Ranbp10	74334	RAN binding protein 10	-1.48	0.61	0.20
A_52_P2520	NM_016916	Blcap	53619	bladder cancer associated protein homolog (human)	-1.79	0.61	0.06
A_51_P501757	BC096024	Rgmb	68799	RGM domain family, member B	-1.37	0.61	0.33
A_51_P246773	NM_030261	Sesn3	75747	sestrin 3	-1.48	0.61	0.20
A_51_P342082	NM_019953	Cnpy2	56530	canopy 2 homolog (zebrafish)	-1.83	0.61	0.04
A_52_P547251	AK009475	Zfp560	434377	zinc finger protein 560	-1.50	0.61	0.20
A_51_P442838	NM_027279	2810422O2	69962	RIKEN cDNA 2810422O20 gene	-1.53	0.61	0.17
A_52_P612058	AK031083	Cdca2	108912	cell division cycle associated 2	-1.40	0.61	0.28
A_52_P145011	NM_001007	Slc25a42	73095	solute carrier family 25, member 42	-1.76	0.61	0.07
A_52_P573400	NM_010569	Invs	16348	inversin	-1.27	0.61	0.50
A_51_P310896	NM_008826	Pfkl	18641	phosphofructokinase, liver, B-type	-1.61	0.61	0.13

				Williams Beuren syndrome chromosome region 27			
A_51_P507359	NM_024479	Wbscr27	79565	(human)	-1.53	0.61	0.17
A_51_P278532	NM_010922	Mrpl40	18100	mitochondrial ribosomal protein L40	-1.85	0.61	0.04
				oligonucleotide/oligosaccharide-binding fold containing			
A_51_P499254	BC095967	Obfc2a	109019	2A	-1.42	0.61	0.27
A_51_P407074	NM_025982	Tspan31	67125	tetraspanin 31	-1.62	0.61	0.12
A_51_P270364	NM_133823	Mmaa	109136	methylmalonic aciduria (cobalamin deficiency) type A	-1.45	0.61	0.22
				asparagine-linked glycosylation 12 homolog (yeast,			
A_51_P245248	NM_145477	Alg12	223774	alpha-1,6-mannosyltransferase)	-1.21	0.61	0.61
A_51_P505339	NM_025596	Preli1	66494	PRELI domain containing 1	-1.65	0.61	0.11
A_52_P192418	NM_010175	Fadd	14082	Fas (TNFRSF6)-associated via death domain	-1.66	0.61	0.11
A_52_P571868	NM_178744	Zbtb1	268564	zinc finger and BTB domain containing 1	-1.48	0.61	0.20
A_52_P18060	NM_175937	Cpeb2	231207	cytoplasmic polyadenylation element binding protein 2	-1.22	0.61	0.58
A_52_P323658	BC094586	Zfp422-rs1	77652	zinc finger protein 422, related sequence 1	-1.55	0.61	0.16
A_52_P341339	NM_009231	Sos1	20662	son of sevenless homolog 1 (Drosophila)	-1.69	0.61	0.09
A_51_P312517	NM_008058	Fzd8	14370	frizzled homolog 8 (Drosophila)	-1.39	0.61	0.30
A_52_P594355	NM_028162	Tbc1d5	72238	TBC1 domain family, member 5	-1.84	0.61	0.04
A_52_P99670	NM_021435	Slc35b4	58246	solute carrier family 35, member B4	-1.21	0.61	0.61
A_52_P433828	NM_026260	Tctn3	67590	tectonic family member 3	-1.66	0.61	0.11
A_51_P293853	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)	-1.40	0.61	0.28
A_51_P106294	NM_010292	Gck	103988	glucokinase	-1.31	0.61	0.44
A_51_P110689	NM_009104	Rrm2	20135	ribonucleotide reductase M2	-1.27	0.61	0.50
				cat eye syndrome chromosome region, candidate 5			
A_52_P565279	NM_144815	Cecr5	214932	homolog (human)	-1.33	0.61	0.37
A_51_P111757	NM_001039	Asb1	65247	ankyrin repeat and SOCS box-containing 1	-1.52	0.61	0.17
A_51_P328539	NM_007933	Eno3	13808	enolase 3, beta muscle	-1.60	0.61	0.14
A_52_P395544	NA	NA	NA	NA	-1.48	0.61	0.20
A_51_P474643	NM_010655	Kpna2	16647	karyopherin (importin) alpha 2	-1.65	0.61	0.11
A_51_P195982	AK032712	Strn	268980	striatin, calmodulin binding protein	-1.49	0.61	0.20
A_52_P617838	NM_175463	A930012O:227923		RIKEN cDNA A930012O16 gene	-1.54	0.61	0.16
A_51_P382970	NM_133721	Itga9	104099	integrin alpha 9	-1.20	0.61	0.61
A_52_P538117	XM_988017	Chadl	214685	chondroadherin-like	-1.25	0.61	0.53

A_52_P592951	NM_025509	Ostc	66357	oligosaccharyltransferase complex subunit	-1.34	0.61	0.37
A_51_P113003	NM_031863	Cenpq	83815	centromere protein Q	-1.75	0.61	0.07
A_52_P469249	NA	NA	NA	NA	-1.27	0.61	0.50
A_52_P409578	NM_178045	Rassf4	213391	Ras association (RalGDS/AF-6) domain family member 4	-1.76	0.61	0.07
A_52_P397401	NM_173036	Gpr97	54672	G protein-coupled receptor 97 pre-B-cell leukemia transcription factor interacting	-1.59	0.61	0.14
A_51_P146850	NM_146131	Pbxip1	229534	protein 1	-1.42	0.61	0.27
A_51_P202596	NM_172628	Sh3tc2	225608	SH3 domain and tetratricopeptide repeats 2	-1.45	0.61	0.22
A_51_P363275	NA	NA	NA	NA	-1.25	0.61	0.53
A_51_P282947	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3 methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase,	-1.32	0.61	0.40
A_51_P392928	NM_138745	Mthfd1	108156	formyltetrahydrofolate synthase	-1.31	0.61	0.44
A_51_P425632	NM_025649	Mad2l1bp	66591	MAD2L1 binding protein	-1.38	0.61	0.30
A_51_P488910	NM_001042	483142619	212073	RIKEN cDNA 483142619 gene	-1.56	0.61	0.15
A_51_P172542	NM_009207	Slc4a2	20535	solute carrier family 4 (anion exchanger), member 2	-1.39	0.61	0.28
A_51_P366244	AK018143	Cgn	70737	cingulin	-1.75	0.61	0.07
A_51_P368804	NM_023472	Ankra2	68558	ankyrin repeat, family A (RFXANK-like), 2 glycerophosphodiester phosphodiesterase domain	-1.88	0.61	0.04
A_51_P468464	NM_201352	Gdpd5	233552	containing 5	-1.54	0.61	0.16
A_51_P453246	BC029863	AI462493	107197	expressed sequence AI462493 N(alpha)-acetyltransferase 40, NatD catalytic subunit,	-1.48	0.61	0.20
A_52_P684579	AK035418	Naa40	70999	homolog (<i>S. cerevisiae</i>)	-1.08	0.61	1.04
A_52_P38659	NM_029992	Tchp	77832	trichoplein, keratin filament binding	-1.45	0.61	0.22
A_52_P290152	BC066100	6720401G1103012		RIKEN cDNA 6720401G13 gene	-1.53	0.61	0.17
A_51_P336691	NM_025573	Sfrs9	108014	splicing factor, arginine/serine rich 9	-1.45	0.61	0.22
A_51_P509140	NM_170760	U2af1l4	233073	U2 small nuclear RNA auxiliary factor 1-like 4	-1.75	0.61	0.07
A_52_P338887	NM_178761	Zfp672	319475	zinc finger protein 672	-1.27	0.61	0.50
A_52_P517470	NA	NA	NA	NA	-1.44	0.61	0.24
A_51_P276766	NM_007416	Adra1b	11548	adrenergic receptor, alpha 1b	-1.59	0.61	0.14
A_51_P349922	AK081838	C130081A197550		RIKEN cDNA C130081A10 gene	-1.43	0.61	0.24

A_52_P401640	NM_007563	Bpgm	12183	2,3-bisphosphoglycerate mutase	-1.57	0.61	0.15
A_51_P308017	NM_172149	Bnip1	224630	BCL2/adenovirus E1B interacting protein 1	-1.63	0.61	0.11
A_51_P350513	NM_009668	Bin1	30948	bridging integrator 1	-1.67	0.61	0.10
A_52_P222709	NM_001004	Pigu	228812	phosphatidylinositol glycan anchor biosynthesis, class U	-1.94	0.61	0.03
A_51_P267986	NM_145951	Enox2	209224	ecto-NOX disulfide-thiol exchanger 2	-1.49	0.61	0.20
A_51_P277524	NM_017476	Akap8l	54194	A kinase (PRKA) anchor protein 8-like	-1.66	0.61	0.11
A_51_P462837	AK078248	NA	NA	NA	-1.86	0.61	0.04
A_51_P284565	NM_133706	Tmem97	69071	transmembrane protein 97	-1.45	0.61	0.22
A_51_P477779	NM_013646	Rora	19883	RAR-related orphan receptor alpha	-1.30	0.61	0.44
A_51_P369550	NM_013489	Cd84	12523	CD84 antigen	-1.56	0.61	0.15
A_51_P518893	NM_001002	Ccin	442829	calicin	-1.46	0.61	0.21
A_51_P516994	NM_027886	Stk11ip	71728	serine/threonine kinase 11 interacting protein	-1.88	0.61	0.04
A_51_P371745	NM_134248	Havcr1	171283	hepatitis A virus cellular receptor 1	-1.13	0.61	0.86
A_51_P404825	NM_198645	Ccdc58	381045	coiled-coil domain containing 58	-1.52	0.61	0.18
A_51_P156363	BC078642	Hnrnpul1	232989	heterogeneous nuclear ribonucleoprotein U-like 1	-1.46	0.61	0.21
A_51_P520927	NM_028771	Ccdc97	52132	coiled-coil domain containing 97	-1.32	0.61	0.40
A_51_P383741	NM_007554	Bmp4	12159	bone morphogenetic protein 4	-1.38	0.61	0.30
A_51_P175229	NM_001033	Fbxl18	231863	F-box and leucine-rich repeat protein 18	-1.66	0.61	0.11
A_51_P190697	NM_025369	Mrps36	66128	mitochondrial ribosomal protein S36	-1.54	0.61	0.16
A_51_P154840	XM_001000	1700080G173533		RIKEN cDNA 1700080G18 gene	-1.66	0.61	0.11
A_51_P291764	NA	NA	NA	NA	-1.10	0.61	0.91
A_51_P164425	NM_025440	Mrps16	66242	mitochondrial ribosomal protein S16	-1.78	0.61	0.06
A_52_P387237	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3	-1.28	0.61	0.50
A_52_P459538	AK037967	Mkln1	27418	muskelin 1, intracellular mediator containing kelch motifs	-1.48	0.61	0.20
A_52_P556082	AK046928	Trmt2b	215201	TRM2 tRNA methyltransferase 2 homolog B (S. cerevisiae)	-1.44	0.61	0.22
A_52_P372151	NM_018761	Ctnnal1	54366	catenin (cadherin associated protein), alpha-like 1	-1.53	0.61	0.17
A_51_P440936	NM_013581	Cog1	16834	component of oligomeric golgi complex 1	-1.74	0.61	0.07
A_51_P452382	NM_009284	Stat6	20852	signal transducer and activator of transcription 6	-1.48	0.61	0.20

A_52_P584154	NM_027288	Manba	110173	mannosidase, beta A, lysosomal	-1.24	0.61	0.55
A_51_P242603	NA	NA	NA	NA	-1.62	0.61	0.13
A_52_P580458	NM_145596	Gatad2a	234366	GATA zinc finger domain containing 2A	-1.40	0.61	0.28
A_51_P428142	NM_177681	Zfp12	231866	zinc finger protein 12	-1.48	0.61	0.20
A_52_P140881	NM_177615	Slc26a10	216441	solute carrier family 26, member 10	-1.21	0.61	0.61
A_51_P181451	NM_007572	C1qa	12259	complement component 1, q subcomponent, alpha polypeptide	-1.37	0.61	0.33
A_52_P509188	AK129437	Fto	26383	fat mass and obesity associated	-1.32	0.61	0.40
A_51_P207570	NM_030064	Phf23	78246	PHD finger protein 23	-1.53	0.61	0.17
A_51_P346862	NM_018854	lft20	55978	intraflagellar transport 20 homolog (Chlamydomonas)	-1.39	0.61	0.28
A_52_P484975	NM_145760	Arfgap1	228998	ADP-ribosylation factor GTPase activating protein 1	-1.18	0.61	0.67
A_51_P462692	NM_001077	Ptbp1	19205	polypyrimidine tract binding protein 1	-1.98	0.61	0.03
A_51_P140751	NM_011397	Slc23a1	20522	solute carrier family 23 (nucleobase transporters), member 1	-1.49	0.61	0.20
A_51_P145020	NM_146245	Lrit1	239037	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1	-1.23	0.61	0.55
A_52_P519538	NM_172712	Uba6	231380	ubiquitin-like modifier activating enzyme 6	-1.56	0.61	0.15
A_51_P238933	NM_010948	Nudc	18221	nuclear distribution gene C homolog (Aspergillus)	-1.53	0.61	0.17
A_52_P235557	NM_023472	Ankra2	68558	ankyrin repeat, family A (RFXANK-like), 2	-1.27	0.61	0.50
A_51_P278893	NM_001077	Hdac5	15184	histone deacetylase 5	-1.52	0.61	0.17
A_52_P421196	NM_026010	Lipt2	67164	lipoyl(octanoyl) transferase 2 (putative)	-1.34	0.61	0.37
A_51_P330090	NM_180662	Trappc9	76510	trafficking protein particle complex 9	-1.62	0.61	0.12
A_52_P467726	NM_010942	Nsg1	18196	neuron specific gene family member 1	-1.29	0.61	0.46
A_52_P665833	NM_001039	Pofut1	140484	protein O-fucosyltransferase 1	-1.67	0.61	0.10
A_51_P316311	XM_129443	Ppfia4	68507	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	-1.90	0.61	0.04
A_51_P105927	NM_001033	Rasl12	70784	RAS-like, family 12	-1.27	0.61	0.50
A_51_P170725	NM_028788	1300002K074152		RIKEN cDNA 1300002K09 gene	-1.57	0.61	0.15
A_52_P614453	AK017289	5430410E071413		RIKEN cDNA 5430410E06 gene	-1.77	0.61	0.07
A_52_P263022	NM_198296	9130011E171617		RIKEN cDNA 9130011E15 gene	-1.76	0.61	0.07

A_52_P153939	AK077774	Cbl	12402	Casitas B-lineage lymphoma	-1.15	0.61	0.77
A_51_P330213	NM_024184	Asf1b	66929	ASF1 anti-silencing function 1 homolog B (<i>S. cerevisiae</i>)	-1.58	0.61	0.15
A_52_P594917	NM_054097	Pip4k2c	117150	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	-1.80	0.61	0.06
A_52_P387124	NM_178732	Zfp324	243834	zinc finger protein 324	-1.30	0.61	0.44
A_51_P355906	NM_021099	Kit	16590	kit oncogene	-1.24	0.61	0.55
A_51_P213246	NM_181278	B230219D2	78521	RIKEN cDNA B230219D22 gene	-1.64	0.61	0.11
A_52_P500622	NM_026622	3110057O12	269423	RIKEN cDNA 3110057O12 gene	-1.55	0.61	0.16
A_52_P81210	NM_007868	Dmd	13405	dystrophin, muscular dystrophy proteasome (prosome, macropain) assembly chaperone	-1.14	0.61	0.82
A_51_P338515	NM_134138	Psmg2	107047	2	-1.59	0.61	0.14
A_52_P92404	NA	NA	NA	NA	-1.35	0.61	0.34
A_52_P1140098	AK038241	Gm10914	1E+08	predicted gene 10914	-1.42	0.61	0.27
A_51_P141953	BC034876	1110008L1	66132	RIKEN cDNA 1110008L16 gene	-1.26	0.61	0.53
A_52_P292826	AK040524	Gns	75612	glucosamine (N-acetyl)-6-sulfatase	-1.77	0.61	0.06
A_52_P852754	NA	NA	NA	NA	-1.30	0.61	0.44
A_52_P161087	NM_001004	2610008E1	72128	RIKEN cDNA 2610008E11 gene	-1.59	0.61	0.14
A_52_P534150	NM_138303	Yipf2	74766	Yip1 domain family, member 2	-1.11	0.61	0.91
A_51_P295558	NM_026421	Enoph1	67870	enolase-phosphatase 1	-1.85	0.61	0.04
A_51_P249009	NM_030714	Dtx3	80904	deltex 3 homolog (<i>Drosophila</i>)	-1.59	0.61	0.14
A_52_P523569	NM_053014	Agpat3	28169	1-acylglycerol-3-phosphate O-acyltransferase 3	-1.22	0.61	0.58
A_51_P219291	NM_172410	Nup93	71805	nucleoporin 93	-1.43	0.61	0.24
A_51_P435348	NM_145586	Tmem159	233806	transmembrane protein 159	-1.52	0.61	0.18
A_51_P353095	NM_177319	Zfyve27	319740	zinc finger, FYVE domain containing 27	-1.68	0.61	0.10
A_51_P158072	NA	NA	NA	NA	-1.67	0.61	0.10
A_51_P102081	NM_007847	Defa-rs2	13222	defensin, alpha, related sequence 2	-1.35	0.61	0.34
A_52_P239752	AK077971	Ttc39c	72747	tetratricopeptide repeat domain 39C	-1.50	0.61	0.20
A_52_P505053	BC057112	Dhx29	218629	DEAH (Asp-Glu-Ala-His) box polypeptide 29	-1.57	0.61	0.15
A_51_P148717	NM_175431	A830093I2	207921	RIKEN cDNA A830093I24 gene	-1.71	0.61	0.07
A_52_P323182	NA	NA	NA	NA	-1.26	0.61	0.53
A_51_P253204	NM_028805	Katnb1	74187	katanin p80 (WD40-containing) subunit B 1 transducin-like enhancer of split 6, homolog of	-1.51	0.61	0.18
A_51_P368591	NM_053254	Tle6	114606	<i>Drosophila</i> E(spl)	-1.38	0.61	0.30

A_52_P392121	NM_028763	Cbx6	494448	chromobox homolog 6	-1.62	0.61	0.12
A_51_P180974	NM_028444	Prkcdpb	109042	protein kinase C, delta binding protein	-1.23	0.61	0.58
A_51_P368151	NA	NA	NA	NA	-1.70	0.61	0.09
A_52_P71261	NA	NA	NA	NA	-1.51	0.61	0.20
A_52_P602091	NM_001037	Csf1r	12978	colony stimulating factor 1 receptor	-1.42	0.61	0.27
A_52_P498355	NM_201358	Lym4	380840	LYR motif containing 4	-1.52	0.61	0.17
A_51_P433824	NM_009415	Tpi1	21991	triosephosphate isomerase 1	-1.39	0.61	0.30
A_52_P413280	NM_028493	Rhobtb3	73296	Rho-related BTB domain containing 3	-1.49	0.61	0.20
A_51_P282673	NM_175098	Ccdc126	57895	coiled-coil domain containing 126	-1.31	0.61	0.44
A_51_P314418	NM_007550	Blm	12144	Bloom syndrome homolog (human)	-1.36	0.61	0.34
A_51_P246339	NM_028128	Rfc5	72151	replication factor C (activator 1) 5	-1.82	0.61	0.05
A_51_P136650	NM_032460	Bat4	81845	HLA-B associated transcript 4	-1.88	0.60	0.04
A_52_P199614	AK155186	Wdfy4	545030	WD repeat and FYVE domain containing 4	-1.57	0.60	0.15
A_52_P355992	BC094367	Zfp60	22718	zinc finger protein 60	-1.85	0.60	0.04
A_51_P223961	NM_153160	Zcchc17	619605	zinc finger, CCHC domain containing 17	-1.29	0.60	0.46
A_52_P435670	NM_213733	Npepl1	228961	aminopeptidase-like 1	-1.59	0.60	0.14
A_52_P960434	NA	NA	NA	NA	-1.78	0.60	0.06
A_51_P381763	Z14986	Amd1	11702	S-adenosylmethionine decarboxylase 1	-1.67	0.60	0.10
A_51_P428873	NM_001042	Gm9897	208595	predicted gene 9897	-1.53	0.60	0.17
A_51_P423762	NM_175211	Ralgps1	241308	Ral GEF with PH domain and SH3 binding motif 1 oligonucleotide/oligosaccharide-binding fold containing	-1.57	0.60	0.15
A_51_P294883	NM_027257	Obfc2b	69917	2B	-1.40	0.60	0.28
A_51_P329283	AK078133	Senp5	320213	SUMO/sentrin specific peptidase 5	-1.61	0.60	0.13
A_51_P400498	BC079668	Whsc1	107823	Wolf-Hirschhorn syndrome candidate 1 (human)	-1.73	0.60	0.07
A_52_P141404	NM_144814	Rcor3	214742	REST corepressor 3	-1.65	0.60	0.11
A_52_P481686	NM_207212	Wtip	101543	WT1-interacting protein	-1.11	0.60	0.91
A_51_P472751	NM_007915	Ei24	13663	etoposide induced 2.4 mRNA	-1.26	0.60	0.53
A_51_P468770	NM_024273	4930455C2	76916	RIKEN cDNA 4930455C21 gene	-1.24	0.60	0.55
A_51_P445912	AK009882	2310047K2	71928	RIKEN cDNA 2310047K21 gene	-1.99	0.60	0.03
A_51_P295708	NM_026748	Ints1	68510	integrator complex subunit 1	-1.74	0.60	0.07
A_51_P437883	NM_145819	Mzf1	109889	myeloid zinc finger 1	-2.09	0.60	0.02
A_52_P353322	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-1.58	0.60	0.15
A_52_P569794	XM_893274	NA	NA	NA	-1.78	0.60	0.06
A_52_P567890	NM_023750	Zfp84	74352	zinc finger protein 84	-1.34	0.60	0.37

A_51_P427425	NM_144793	Slc25a38	208638	solute carrier family 25, member 38	-1.15	0.60	0.77
A_52_P350537	NM_181409	Mtmt11	194126	myotubularin related protein 11	-1.49	0.60	0.20
A_52_P574199	NM_028170	1700030K0	72254	RIKEN cDNA 1700030K09 gene	-1.60	0.60	0.14
A_51_P152550	NM_178378	lqcg	69707	IQ motif containing G a disintegrin and metallopeptidase domain 15	-1.39	0.60	0.30
A_51_P291815	NM_001037	Adam15	11490	(metargidin)	-1.47	0.60	0.20
A_51_P396284	BC030435	Chd3	216848	chromodomain helicase DNA binding protein 3	-1.52	0.60	0.18
A_52_P342131	NM_207255	Zfp532	328977	zinc finger protein 532	-1.72	0.60	0.07
A_51_P360508	NM_144801	Tmem143	70209	transmembrane protein 143	-1.61	0.60	0.13
A_51_P225427	NM_026163	Pkp2	67451	plakophilin 2	-1.51	0.60	0.20
A_51_P344376	NM_013533	Gpr162	14788	G protein-coupled receptor 162	-1.41	0.60	0.27
A_52_P334744	AB078345	Agap3	213990	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	-1.77	0.60	0.07
A_51_P226567	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-1.44	0.60	0.22
A_52_P123738	AK031657	Rnf41	67588	ring finger protein 41	-1.50	0.60	0.20
A_52_P22286	AK041357	Bcl2l12	75736	BCL2-like 12 (proline rich)	-1.41	0.60	0.27
A_51_P237834	AK173022	Tmcc1	330401	transmembrane and coiled coil domains 1	-1.57	0.60	0.15
A_51_P372522	NM_001014	Fam189b	68521	family with sequence similarity 189, member B	-1.80	0.60	0.05
A_51_P400463	XM_980293	NA	NA	NA	-1.70	0.60	0.09
A_52_P681269	NM_015782	Snrpa	53607	small nuclear ribonucleoprotein polypeptide A	-1.63	0.60	0.11
A_52_P561650	NM_147776	Vwa1	246228	von Willebrand factor A domain containing 1	-1.73	0.60	0.07
A_52_P560628	AK005305	1300002E1	1E+08	RIKEN cDNA 1300002E11 gene	-1.46	0.60	0.21
A_51_P470205	AK018460	Mobkl2b	214944	MOB1, Mps One Binder kinase activator-like 2B (yeast)	-1.32	0.60	0.40
A_51_P462546	NM_133708	Gmppa	69080	GDP-mannose pyrophosphorylase A	-1.30	0.60	0.44
A_52_P227307	NM_022328	Mllt1	64144	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	-1.67	0.60	0.10
A_52_P148883	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-1.88	0.60	0.04
A_52_P653303	NA	NA	NA	NA	-1.13	0.60	0.82
A_52_P269057	AK042006	Elp4	77766	elongation protein 4 homolog (S. cerevisiae)	-1.56	0.60	0.15

				v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene			
A_52_P49250	NM_001003	ErbB2	13866	homolog (avian)	-1.70	0.60	0.09
A_51_P176517	NM_170592	Mettl11a	66617	methyltransferase like 11A	-1.81	0.60	0.05
A_51_P235594	NM_023045	Xpo7	65246	exportin 7	-1.73	0.60	0.07
A_51_P359454	NM_030561	BC004004	80748	cDNA sequence BC004004	-1.45	0.60	0.22
A_51_P171200	NM_027307	Golm1	105348	golgi membrane protein 1	-1.19	0.60	0.67
A_52_P251615	NM_198249	E130112L2	268739	RIKEN cDNA E130112L23 gene	-1.37	0.60	0.33
A_52_P1002614	AK011948	NA	NA	NA	-1.85	0.60	0.04
A_51_P417477	NM_010241	Aktip	14339	thymoma viral proto-oncogene 1 interacting protein	-1.82	0.60	0.05
A_51_P249348	NM_153125	Sec16a	227648	SEC16 homolog A (<i>S. cerevisiae</i>)	-1.18	0.60	0.70
A_52_P456490	BG087313	NA	NA	NA	-1.49	0.60	0.20
A_51_P191354	NA	NA	NA	NA	-1.61	0.60	0.13
A_52_P296281	NM_015782	Snrpa	53607	small nuclear ribonucleoprotein polypeptide A	-1.73	0.60	0.07
A_52_P586141	NM_001037	Adcy7	11513	adenylate cyclase 7	-1.53	0.60	0.17
A_51_P474509	NM_026123	Unc50	67387	unc-50 homolog (<i>C. elegans</i>)	-1.32	0.60	0.40
A_51_P205737	NM_016666	Aip	11632	aryl-hydrocarbon receptor-interacting protein	-1.54	0.60	0.16
A_51_P288447	NM_172288	Nup133	234865	nucleoporin 133	-1.78	0.60	0.06
A_51_P111210	NM_133786	Smc4	70099	structural maintenance of chromosomes 4	-1.33	0.60	0.37
A_52_P1179483	AK015079	4930404H1	73815	RIKEN cDNA 4930404H11 gene	-1.60	0.60	0.14
A_51_P189104	NM_008903	Ppap2a	19012	phosphatidic acid phosphatase type 2A	-1.52	0.60	0.18
A_52_P169028	NM_026382	Snrnp48	67797	small nuclear ribonucleoprotein 48 (U11/U12)	-1.74	0.60	0.07
A_51_P171965	NM_026503	1110058L1	68002	RIKEN cDNA 1110058L19 gene	-1.65	0.60	0.11
A_51_P116813	NM_007809	Cyp17a1	13074	cytochrome P450, family 17, subfamily a, polypeptide 1 serine (or cysteine) peptidase inhibitor, clade F,	-1.64	0.60	0.11
A_51_P174176	NM_008878	Serpinf2	18816	member 2	-1.79	0.60	0.06
A_52_P485573	NM_153484	Tef	21685	thyrotroph embryonic factor	-1.50	0.60	0.20
A_51_P126476	NM_010863	Myo1b	17912	myosin IB	-1.46	0.60	0.22
A_52_P165679	NM_021454	Cdc42ep5	58804	CDC42 effector protein (Rho GTPase binding) 5	-1.47	0.60	0.21
A_51_P400543	NM_019467	Aif1	11629	allograft inflammatory factor 1	-1.21	0.60	0.61
A_52_P228389	AK039222	Hmg20a	66867	high mobility group 20A	-1.81	0.60	0.05
A_52_P507277	NM_025789	Rsph3a	66832	radial spoke 3A homolog (<i>Chlamydomonas</i>)	-1.50	0.60	0.20

A_52_P483885	AK078465	4930455C276916		RIKEN cDNA 4930455C21 gene	-1.32	0.60	0.40
A_52_P390241	NM_001008	Daam2	76441	dishevelled associated activator of morphogenesis 2	-1.65	0.60	0.11
A_52_P350022	BI659524	NA	NA	NA	-2.05	0.60	0.02
A_51_P451482	NM_023628	Anxa9	71790	annexin A9	-1.75	0.60	0.07
A_52_P505584	NM_207219	AI314976	106821	expressed sequence AI314976	-1.75	0.60	0.07
A_52_P164017	NM_019575	Scamp4	56214	secretory carrier membrane protein 4	-1.47	0.60	0.21
A_52_P201446	NM_133767	Mtif2	76784	mitochondrial translational initiation factor 2	-1.54	0.60	0.17
A_52_P87892	NM_198017	Fam175b	109359	family with sequence similarity 175, member B	-1.31	0.60	0.44
A_52_P962404	AK017417	5430440L1	71384	RIKEN cDNA 5430440L12 gene	-1.14	0.60	0.82
A_52_P609778	NM_011844	Mgll	23945	monoglyceride lipase	-1.48	0.60	0.20
A_51_P112557	NM_009085	Polr1c	20016	polymerase (RNA) I polypeptide C	-1.13	0.60	0.86
A_51_P404204	NM_029780	Raf1	110157	v-raf-leukemia viral oncogene 1	-1.97	0.60	0.03
A_51_P267388	NM_033613	Dom3z	112403	DOM-3 homolog Z (C. elegans)	-1.89	0.60	0.04
A_51_P169173	NM_009875	Cdkn1b	12576	cyclin-dependent kinase inhibitor 1B	-1.24	0.60	0.55
A_52_P525249	BC057094	Trim65	338364	tripartite motif-containing 65	-1.61	0.60	0.13
A_52_P59612	NM_028866	Wdr33	74320	WD repeat domain 33	-1.76	0.60	0.07
A_51_P119597	NM_009680	Ap3b1	11774	adaptor-related protein complex 3, beta 1 subunit	-1.63	0.60	0.11
A_51_P328622	NM_027249	Tlcd2	380712	TLC domain containing 2	-1.42	0.60	0.24
A_52_P72434	NM_008439	Khk	16548	ketohexokinase	-1.49	0.60	0.20
A_51_P148865	NM_010753	Mxd4	17122	Max dimerization protein 4	-1.75	0.60	0.07
A_52_P446363	NM_023403	Mesdc2	67943	mesoderm development candidate 2	-1.48	0.60	0.20
A_51_P295449	NM_134100	Mfsd5	106073	major facilitator superfamily domain containing 5	-1.78	0.60	0.06
A_52_P472120	NM_023178	Dmap1	66233	DNA methyltransferase 1-associated protein 1	-1.84	0.60	0.04
A_52_P198009	AK156814	Mrpl44	69163	mitochondrial ribosomal protein L44	-1.74	0.60	0.07
A_51_P468140	NM_008223	Serpind1	15160	serine (or cysteine) peptidase inhibitor, clade D, member 1	-1.94	0.60	0.03
A_52_P426870	XM_901708	NA	NA	NA	-1.39	0.60	0.30
A_52_P456561	NM_007435	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-1.70	0.60	0.09
A_52_P101852	NM_009242	Sparc	20692	secreted acidic cysteine rich glycoprotein	-1.32	0.60	0.40
A_52_P537492	NM_025868	Tmx2	66958	thioredoxin-related transmembrane protein 2	-1.49	0.60	0.20
A_52_P578521	NM_025670	5730403B1	66626	RIKEN cDNA 5730403B10 gene	-1.74	0.60	0.07

A_51_P520802	NM_145536	BC020535	228788	cDNA sequence BC020535	-1.54	0.60	0.16
A_52_P647055	NM_146201	Zfp553	233887	zinc finger protein 553	-1.81	0.60	0.05
A_51_P138548	NM_008253	Hmgb3	15354	high mobility group box 3	-1.70	0.60	0.09
A_51_P171697	NM_018858	Pebp1	23980	phosphatidylethanolamine binding protein 1	-1.60	0.60	0.13
A_51_P476357	AV024949	281048210	67243	RIKEN cDNA 2810482107 gene	-1.69	0.60	0.09
A_51_P484978	NM_023224	Cblc	80794	Casitas B-lineage lymphoma c	-1.77	0.60	0.06
A_51_P418935	AK004524	Neurl2	415115	neuralized-like 2 (Drosophila)	-1.22	0.60	0.58
A_51_P519570	NM_027207	1600002K0	69770	RIKEN cDNA 1600002K03 gene	-1.31	0.60	0.44
A_51_P502082	NM_009103	Rrm1	20133	ribonucleotide reductase M1	-1.97	0.60	0.03
A_52_P112651	NM_025828	Lman2	66890	lectin, mannose-binding 2	-1.63	0.60	0.12
A_51_P497953	NM_026666	Ubn1	170644	ubinnuclein 1	-1.73	0.60	0.07
A_52_P67983	AK172970	Lcmt2	329504	leucine carboxyl methyltransferase 2	-1.60	0.60	0.14
A_51_P494646	NM_001003	Rtn3	20168	reticulon 3	-1.91	0.60	0.04
A_51_P314277	NM_007415	Parp1	11545	poly (ADP-ribose) polymerase family, member 1	-1.19	0.60	0.67
A_51_P476559	NM_027221	Krtcap3	69815	keratinocyte associated protein 3	-1.20	0.60	0.67
A_51_P197415	AK006322	Dnajc17	69408	Dnaj (Hsp40) homolog, subfamily C, member 17	-1.40	0.60	0.28
A_52_P75146	NM_175364	Lymr2	108755	LYR motif containing 2	-1.20	0.60	0.61
				single-strand selective monofunctional uracil DNA			
A_52_P595717	NM_027885	Smug1	71726	glycosylase	-1.84	0.60	0.04
A_52_P2754	NM_019467	Aif1	11629	allograft inflammatory factor 1	-1.19	0.60	0.67
A_52_P322535	NM_025479	2810021B0	66308	RIKEN cDNA 2810021B07 gene	-1.67	0.60	0.10
A_51_P124315	NM_177649	NA	NA	NA	-1.29	0.60	0.46
A_52_P453508	AK010630	Dnase2a	13423	deoxyribonuclease II alpha	-1.19	0.60	0.67
A_52_P139248	NA	NA	NA	NA	-1.67	0.60	0.10
A_52_P635278	NM_199307	Ece1	230857	endothelin converting enzyme 1	-1.89	0.60	0.04
A_51_P123091	NM_029274	Wbp7	75410	WW domain binding protein 7	-1.64	0.60	0.11
A_51_P492366	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-1.10	0.60	0.91
A_52_P362981	NM_178264	NA	NA	NA	-1.43	0.60	0.24
A_52_P380460	NM_030133	Srbd1	78586	S1 RNA binding domain 1	-1.48	0.60	0.20
A_51_P492707	NM_011216	Ptpro	19277	protein tyrosine phosphatase, receptor type, O	-1.72	0.60	0.07
A_51_P194498	NM_023395	Wfdc1	67866	WAP four-disulfide core domain 1	-1.51	0.60	0.18
				processing of precursor 5, ribonuclease P/MRP family			
A_51_P490198	NM_026398	Pop5	117109	(S. cerevisiae)	-1.74	0.60	0.07
A_51_P516850	NM_172517	Rbbp5	213464	retinoblastoma binding protein 5	-1.48	0.60	0.20

A_51_P500541	NM_029798	Flywch2	76917	FLYWCH family member 2	-1.21	0.60	0.61
A_52_P256182	NA	NA	NA	NA	-1.10	0.60	0.97
A_52_P106482	NM_009964	Cryab	12955	crystallin, alpha B	-1.69	0.60	0.09
A_52_P536731	NM_001004:	Asap2	211914	2	-1.27	0.60	0.50
A_52_P570652	NM_153791	Flywch1	224613	FLYWCH-type zinc finger 1	-2.00	0.60	0.02
A_52_P70810	NM_027959	Pdia6	71853	protein disulfide isomerase associated 6	-1.43	0.60	0.24
A_52_P148972	BC038320	4930581F2	78934	RIKEN cDNA 4930581F22 gene	-1.40	0.60	0.28
A_51_P501815	NM_026914	1500032L2	69029	RIKEN cDNA 1500032L24 gene	-1.62	0.60	0.12
A_51_P288257	NM_030248	Cdk5rap3	80280	CDK5 regulatory subunit associated protein 3	-1.52	0.60	0.18
A_52_P48767	NM_027760	Rassf8	71323	Ras association (RalGDS/AF-6) domain family (N-terminal) member 8	-2.04	0.60	0.02
A_51_P253904	NM_008704	Nme1	18102	non-metastatic cells 1, protein (NM23A) expressed in	-1.21	0.60	0.61
A_52_P981680	NM_020022	Rfc2	19718	replication factor C (activator 1) 2	-1.50	0.60	0.20
A_51_P440852	NM_145960	Mtrf1	211253	mitochondrial translational release factor 1	-1.44	0.60	0.24
A_52_P4066	NM_207245	Zfp870	240066	zinc finger protein 870	-1.95	0.60	0.03
A_51_P313093	AK008991	Ick	56542	intestinal cell kinase	-1.10	0.60	0.97
A_51_P416080	NM_144552	Stxbp6	217517	syntaxin binding protein 6 (amisyn)	-1.67	0.60	0.10
A_51_P505719	AY590892	Dmxl1	240283	Dmx-like 1	-1.67	0.60	0.10
A_51_P310298	NM_178701	Lrrc8d	231549	leucine rich repeat containing 8D	-1.67	0.60	0.10
A_52_P238816	NM_019441	Ppt2	54397	palmitoyl-protein thioesterase 2	-1.31	0.60	0.44
A_51_P394446	AK032385	Erc2	238988	ELKS/RAB6-interacting/CAST family member 2	-1.68	0.60	0.10
A_52_P679205	NM_175675	4930471M	74919	RIKEN cDNA 4930471M23 gene	-1.68	0.60	0.10
A_51_P475244	NM_133984	Hemk1	69536	HemK methyltransferase family member 1	-1.26	0.60	0.53
A_51_P309917	NM_001001:	Itga8	241226	integrin alpha 8	-1.44	0.60	0.22
A_51_P349825	NM_026411	1700021F0	67851	RIKEN cDNA 1700021F05 gene	-1.72	0.60	0.07
A_51_P139745	NM_153151	Acat3	224530	acetyl-Coenzyme A acetyltransferase 3	-1.58	0.60	0.15
A_52_P456077	NM_175095	Comm2	52245	COMM domain containing 2	-1.44	0.60	0.24
A_52_P509185	NM_207671	Zfp318	57908	zinc finger protein 318	-1.37	0.60	0.33
A_52_P523330	NM_027215	Tmem147	69804	transmembrane protein 147	-1.84	0.60	0.04
A_51_P186469	AK017789	Sik3	70661	SIK family kinase 3	-1.62	0.60	0.12
A_52_P677877	NM_030208	2310079F2	78890	RIKEN cDNA 2310079F23 gene	-1.68	0.60	0.09

A_52_P392591	NM_027931	Tars2	71807	threonyl-tRNA synthetase 2, mitochondrial (putative)	-1.18	0.60	0.67
A_51_P264073	NM_021878	Jarid2	16468	jumonji, AT rich interactive domain 2	-1.88	0.60	0.04
A_52_P319606	NM_178760	Gpr107	277463	G protein-coupled receptor 107	-1.72	0.60	0.07
A_51_P473456	NM_144954	Ppil2	66053	peptidylprolyl isomerase (cyclophilin)-like 2	-1.57	0.60	0.15
A_52_P311853	NM_030143	Ddit4l	73284	DNA-damage-inducible transcript 4-like	-1.21	0.59	0.61
A_51_P233396	NM_009358	Ppp2r5d	21770	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-1.81	0.59	0.05
A_51_P320137	NM_030260	Zxdc	80292	ZXD family zinc finger C	-1.42	0.59	0.27
A_51_P435947	NM_021521	Med12	59024	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	-1.85	0.59	0.04
A_51_P270725	AK089493	Phkb	102093	phosphorylase kinase beta	-1.73	0.59	0.07
A_51_P126647	NM_025463	1810009A1	66276	RIKEN cDNA 1810009A15 gene	-1.74	0.59	0.07
A_51_P328133	NM_028923	Gle1	74412	GLE1 RNA export mediator (yeast)	-1.87	0.59	0.04
A_52_P73021	AK036533	Scly	50880	selenocysteine lyase	-1.38	0.59	0.30
A_52_P329917	NM_022999	Prrg2	65116	proline-rich Gla (G-carboxyglutamic acid) polypeptide 2	-1.24	0.59	0.55
A_52_P306697	NM_007868	Dmd	13405	dystrophin, muscular dystrophy	-1.15	0.59	0.77
A_51_P333923	NM_133681	Tspan1	66805	tetraspanin 1	-1.33	0.59	0.37
A_51_P441942	NM_009383	Tial1	21843	Tia1 cytotoxic granule-associated RNA binding protein-like 1	-1.49	0.59	0.20
A_52_P1004175	AK037327	NA	NA	NA	-1.96	0.59	0.03
A_52_P388155	NM_133829	Mfsd6	98682	major facilitator superfamily domain containing 6	-1.27	0.59	0.50
A_52_P87229	NA	NA	NA	NA	-1.46	0.59	0.21
A_52_P243516	NM_201361	Fam82a1	381110	family with sequence similarity 82, member A1	-1.59	0.59	0.14
A_51_P473438	AK080901	D730045B01	77867	RIKEN cDNA D730045B01 gene	-1.38	0.59	0.30
A_51_P218165	NM_146252	Tbc1d13	70296	TBC1 domain family, member 13	-1.77	0.59	0.06
A_52_P546110	NM_178017	Hmgxb4	70823	HMG box domain containing 4	-1.77	0.59	0.06
A_52_P389347	NM_023348	Snap29	67474	synaptosomal-associated protein 29	-2.03	0.59	0.02
A_51_P204630	AK032255	Atp2c1	235574	ATPase, Ca ⁺⁺ -sequestering	-1.37	0.59	0.33
A_51_P388432	NM_130889	Anp32b	67628	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	-2.01	0.59	0.02
A_52_P413502	NM_025542	2410001C2	66404	RIKEN cDNA 2410001C21 gene	-1.57	0.59	0.15

A_51_P433026	NM_028922	Ppapdc2	74411	phosphatidic acid phosphatase type 2 domain containing 2	-1.47	0.59	0.21
A_51_P257065	NM_018786	Prpf40b	54614	PRP40 pre-mRNA processing factor 40 homolog B (yeast)	-1.90	0.59	0.04
A_52_P739182	AK053478	NA	NA	NA	-1.71	0.59	0.07
A_52_P38436	NM_130862	Baiap2	108100	brain-specific angiogenesis inhibitor 1-associated protein 2	-1.15	0.59	0.82
A_52_P42044	XM_977572	Nbeal2	235627	neurobeachin-like 2	-1.95	0.59	0.03
A_51_P189438	NM_172272	Pars2	230577	prolyl-tRNA synthetase (mitochondrial)(putative) pleckstrin homology domain containing, family G (with RhoGef domain) member 3	-1.84	0.59	0.04
A_51_P327369	AK080928	Plekhg3	263406	NA	-1.73	0.59	0.07
A_52_P1171803	AK046815	NA	NA	NA	-1.53	0.59	0.17
A_51_P510914	AK013921	Gm6710	626832	predicted gene 6710	-1.51	0.59	0.18
A_51_P110035	NA	NA	NA	NA	-1.64	0.59	0.11
A_52_P434038	NM_030597	Lsm2	27756	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.97	0.59	0.03
A_52_P507839	AK048435	Fam126b	213056	family with sequence similarity 126, member B	-1.40	0.59	0.28
A_51_P234462	NM_133756	Gpn1	74254	GPN-loop GTPase 1	-1.95	0.59	0.03
A_51_P343889	NM_175675	4930471M	74919	RIKEN cDNA 4930471M23 gene	-1.93	0.59	0.03
A_51_P189722	NM_172549	Cabin1	104248	calcineurin binding protein 1	-1.83	0.59	0.05
A_52_P212686	NM_146191	Lrrk1	233328	leucine-rich repeat kinase 1	-1.24	0.59	0.55
A_51_P223025	BC016533	Dock5	68813	dedicator of cytokinesis 5	-1.89	0.59	0.04
A_52_P104700	NM_026342	Fam114a2	67726	family with sequence similarity 114, member A2	-1.13	0.59	0.86
A_52_P519416	BC060186	Rbbp5	213464	retinoblastoma binding protein 5	-1.71	0.59	0.07
A_52_P255125	AK020104	Rnf170	77733	ring finger protein 170	-1.48	0.59	0.20
A_51_P399960	NM_027422	Mier2	70427	mesoderm induction early response 1, family member 2	-1.64	0.59	0.11
A_51_P385598	NM_008063	Slc37a4	14385	solute carrier family 37 (glucose-6-phosphate transporter), member 4	-1.68	0.59	0.09
A_51_P455338	NM_053113	Ear11	93726	eosinophil-associated, ribonuclease A family, member 11	-1.24	0.59	0.55
A_51_P392486	NM_028209	Ttc4	72354	tetratricopeptide repeat domain 4	-1.63	0.59	0.11
A_52_P876692	NA	NA	NA	NA	-1.62	0.59	0.12

A_51_P364031	NM_026213	Ttc33	67515	tetratricopeptide repeat domain 33	-1.98	0.59	0.03
A_51_P425768	NM_026005	2610301B2	67157	RIKEN cDNA 2610301B20 gene	-1.50	0.59	0.20
A_51_P243342	NM_010347	Aes	14797	amino-terminal enhancer of split	-1.74	0.59	0.07
A_51_P176042	NM_013631	Pklr	18770	pyruvate kinase liver and red blood cell	-1.97	0.59	0.03
A_52_P44765	NM_144880	Ppp2r5a	226849	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-1.93	0.59	0.03
A_51_P146126	AK169586	Cdkn1b	12576	cyclin-dependent kinase inhibitor 1B immunoglobulin superfamily containing leucine-rich	-1.19	0.59	0.67
A_51_P140742	NM_012043	Islr	26968	repeat	-1.46	0.59	0.21
A_52_P512427	XM_132808	2510049J1	70291	RIKEN cDNA 2510049J12 gene	-2.04	0.59	0.02
A_52_P541939	NM_021527	Mkks	59030	McKusick-Kaufman syndrome protein	-1.49	0.59	0.20
A_51_P381784	BC094932	Exosc7	66446	exosome component 7	-1.69	0.59	0.09
A_52_P276986	NM_133865	Dclre1b	140917	DNA cross-link repair 1B, PSO2 homolog (<i>S. cerevisiae</i>)	-1.76	0.59	0.07
A_52_P128935	NM_026501	Fam134c	67998	family with sequence similarity 134, member C	-1.86	0.59	0.04
A_52_P434556	NM_175149	2310022B0	69551	RIKEN cDNA 2310022B05 gene	-1.61	0.59	0.13
A_51_P462814	NM_023637	Sars2	71984	seryl-aminoacyl-tRNA synthetase 2	-1.86	0.59	0.04
A_51_P227777	NM_009409	Top2b	21974	topoisomerase (DNA) II beta	-1.67	0.59	0.10
A_51_P111212	NM_026269	1110007L1	67604	RIKEN cDNA 1110007L15 gene	-1.48	0.59	0.20
A_52_P161167	NM_021312	Wdr12	57750	WD repeat domain 12	-1.67	0.59	0.10
A_51_P261718	NM_134037	Acly	104112	ATP citrate lyase NIMA (never in mitosis gene a)-related expressed kinase	-1.48	0.59	0.20
A_52_P818995	AK049625	Nek1	18004	1	-1.59	0.59	0.14
A_52_P424462	NM_026184	Ero1lb	67475	ERO1-like beta (<i>S. cerevisiae</i>)	-1.30	0.59	0.44
A_52_P504460	AK013634	Ccnt2	72949	cyclin T2	-1.40	0.59	0.28
A_51_P229732	AK015605	4930481B0	74937	RIKEN cDNA 4930481B07 gene potassium channel tetramerisation domain containing	-1.95	0.59	0.03
A_52_P45926	BC048161	Kctd20	66989	20	-1.84	0.59	0.04
A_52_P655008	AK044382	Iffo1	320678	intermediate filament family orphan 1	-1.30	0.59	0.44
A_51_P292073	NM_026897	Haghl	68977	hydroxyacylglutathione hydrolase-like	-1.88	0.59	0.04
A_52_P173368	XM_920133	LOC631981631981		similar to small nuclear ribonucleoprotein polypeptide A	-1.65	0.59	0.11
A_51_P204454	AF083215	Skp2	27401	S-phase kinase-associated protein 2 (p45)	-1.62	0.59	0.12
A_51_P380078	NA	NA	NA	NA	-1.43	0.59	0.24

A_52_P338956	XM_203596	NA	NA	NA	-1.68	0.59	0.10
A_51_P471779	NM_026737	Phf5a	68479	PHD finger protein 5A	-2.19	0.59	0.01
A_51_P433834	NM_146137	Amigo1	229715	adhesion molecule with Ig like domain 1	-1.94	0.59	0.03
A_52_P361611	BC055752	Zfp652	268469	zinc finger protein 652	-1.84	0.59	0.04
A_51_P138538	NM_026892	Eif1b	68969	eukaryotic translation initiation factor 1B	-1.90	0.59	0.04
A_51_P218895	NM_008064	Gaa	14387	glucosidase, alpha, acid	-1.72	0.59	0.07
A_52_P225207	NM_007523	Bak1	12018	BCL2-antagonist/killer 1	-1.27	0.59	0.50
A_52_P378765	NM_001001	Ccdc111	408022	coiled-coil domain containing 111	-1.51	0.59	0.18
A_52_P563942	NM_013908	Fbxw5	30839	F-box and WD-40 domain protein 5	-1.59	0.59	0.14
A_51_P454152	AK048416	Ercc6	319955	excision repair cross-complementing rodent repair deficiency, complementation group 6	-1.61	0.59	0.13
A_52_P233441	NM_008090	Gata2	14461	GATA binding protein 2	-1.82	0.59	0.05
A_52_P647393	NM_153158	E130308A1	230259	RIKEN cDNA E130308A19 gene	-1.65	0.59	0.11
A_52_P559034	AK052765	Klhdc5	232539	kelch domain containing 5	-1.87	0.59	0.04
A_51_P339822	NM_138630	Arhgap4	171207	Rho GTPase activating protein 4	-1.50	0.59	0.20
A_52_P286098	NA	NA	NA	NA	-1.62	0.59	0.12
A_51_P285413	NM_175023	Rbbp6	19647	retinoblastoma binding protein 6	-1.59	0.59	0.14
A_51_P358344	NM_007732	Col17a1	12821	collagen, type XVII, alpha 1	-1.70	0.59	0.09
A_51_P414115	NM_172607	Naprt1	223646	nicotinate phosphoribosyltransferase domain containing 1	-2.04	0.59	0.02
A_51_P436447	NM_172458	Zfp871	208292	zinc finger protein 871	-1.65	0.59	0.11
A_51_P108948	NM_019715	Kcmf1	74287	potassium channel modulatory factor 1	-1.73	0.59	0.07
A_52_P336290	NM_029519	Rap2a	76108	RAS related protein 2a	-1.73	0.59	0.07
A_52_P48723	NM_053180	Cdk20	105278	cyclin-dependent kinase 20	-1.53	0.59	0.17
A_51_P474151	NM_177746	Awat2	245532	acyl-CoA wax alcohol acyltransferase 2	-2.19	0.59	0.01
A_51_P422165	NM_023876	Elp4	77766	elongation protein 4 homolog (<i>S. cerevisiae</i>)	-1.46	0.59	0.22
A_51_P169087	NM_001033	Gls2	216456	glutaminase 2 (liver, mitochondrial)	-1.72	0.59	0.07
A_52_P398158	NM_146173	Tspan33	232670	tetraspanin 33	-1.56	0.59	0.15
A_52_P672740	NM_019491	Rala	56044	v-ral simian leukemia viral oncogene homolog A (ras related)	-1.45	0.59	0.22
A_51_P323583	NM_134111	Eaf2	106389	ELL associated factor 2	-1.42	0.59	0.27
A_52_P662098	NM_019671	Net1	56349	neuroepithelial cell transforming gene 1	-1.44	0.59	0.22
A_51_P357085	NM_011722	Dctn6	22428	dynactin 6	-1.74	0.59	0.07

A_51_P483488	NM_029020	Abcb8	74610	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-1.86	0.59	0.04
A_51_P158552	NM_016684	Zscan12	22758	zinc finger and SCAN domain containing 12	-1.49	0.59	0.20
A_51_P511766	AK039706	Bpnt1	23827	bisphosphate 3'-nucleotidase 1	-1.68	0.59	0.09
A_52_P355095	NM_172516	Dstyk	213452	dual serine/threonine and tyrosine protein kinase	-1.74	0.59	0.07
A_52_P228684	AK040147	Ints3	229543	integrator complex subunit 3	-1.71	0.59	0.07
A_51_P388042	NM_013915	Zfp238	30928	zinc finger protein 238	-1.50	0.59	0.20
A_52_P460319	NM_010722	Lmnb2	16907	lamin B2	-1.62	0.59	0.12
A_52_P233673	NM_020594	Zc3h8	57432	zinc finger CCCH type containing 8	-1.14	0.59	0.82
A_52_P780972	AV079128	Map3k4	26407	mitogen-activated protein kinase kinase kinase 4	-1.86	0.59	0.04
A_52_P644692	AK036209	Atxn2	20239	ataxin 2	-1.91	0.59	0.04
A_51_P223078	AK034302	Gm10033	378466	predicted gene 10033	-1.50	0.59	0.20
A_52_P570240	BC080858	Kbtbd11	74901	kelch repeat and BTB (POZ) domain containing 11	-1.73	0.59	0.07
A_52_P360453	AK084271	3110052M0	73229	RIKEN cDNA 3110052M02 gene	-1.37	0.59	0.33
A_52_P649285	NA	NA	NA	NA	-1.73	0.59	0.07
A_51_P372456	NM_026621	NA	NA	NA	-1.88	0.59	0.04
A_52_P76146	NM_153743	Dnmt3a	13435	DNA methyltransferase 3A	-1.20	0.59	0.61
A_51_P398004	NM_013595	Mbd3	17192	methyl-CpG binding domain protein 3	-1.53	0.59	0.17
A_51_P302458	NM_023564	Plscr3	70310	phospholipid scramblase 3	-1.81	0.59	0.05
A_52_P253299	NM_001003	BC030307	103220	cDNA sequence BC030307	-1.35	0.59	0.37
A_51_P219542	NM_019425	Gnpnat1	54342	glucosamine-phosphate N-acetyltransferase 1	-1.75	0.59	0.07
A_52_P582251	AK006209	1700021J0	72235	RIKEN cDNA 1700021J08 gene	-1.12	0.59	0.86
A_51_P279183	NM_145496	Dak	225913	dihydroxyacetone kinase 2 homolog (yeast)	-1.72	0.59	0.07
A_51_P426276	NM_133667	Pdk2	18604	pyruvate dehydrogenase kinase, isoenzyme 2	-1.50	0.59	0.20
A_51_P108408	NM_007563	Bpgm	12183	2,3-bisphosphoglycerate mutase	-1.73	0.59	0.07
A_52_P136914	NM_024437	Nudt7	67528	nudix (nucleoside diphosphate linked moiety X)-type motif 7	-1.24	0.59	0.55
A_51_P387648	NM_008307	Trmt2a	15547	TRM2 tRNA methyltransferase 2 homolog A (S. cerevisiae)	-1.50	0.59	0.20
A_52_P523480	NM_009055	Rfx1	19724	regulatory factor X, 1 (influences HLA class II expression)	-1.88	0.59	0.04
A_52_P110040	NM_009774	Bub3	12237	budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)	-1.78	0.59	0.06

A_51_P186446	AK088715	Mtmr10	233315	myotubularin related protein 10	-1.72	0.59	0.07
A_51_P382347	AK048877	Nphp3	74025	nephronophthisis 3 (adolescent)	-1.43	0.59	0.24
A_51_P386660	NM_010173	Faah	14073	fatty acid amide hydrolase	-1.76	0.59	0.07
A_51_P351413	NM_028521	Phospho2	73373	phosphatase, orphan 2	-1.48	0.59	0.20
A_52_P61703	NM_178364	Zfp369	170936	zinc finger protein 369	-1.54	0.59	0.16
A_51_P431046	NM_009182	St8sia3	20451	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3	-1.40	0.59	0.28
A_52_P360076	AK043262	E330013P0	320870	RIKEN cDNA E330013P08 gene	-1.78	0.59	0.06
A_51_P391445	NM_010511	Ifngr1	15979	interferon gamma receptor 1	-1.78	0.59	0.06
A_51_P195573	NM_010066	Dnmt1	13433	DNA methyltransferase (cytosine-5) 1	-1.78	0.59	0.06
A_51_P354526	NM_025912	2010011I2	67017	RIKEN cDNA 2010011I20 gene	-1.22	0.59	0.58
A_51_P520084	NM_011942	Lypla2	26394	lysophospholipase 2	-1.62	0.59	0.12
A_51_P189916	NM_133800	Nol12	97961	nucleolar protein 12	-1.38	0.59	0.30
A_52_P597634	NM_021457	Fzd1	14362	frizzled homolog 1 (Drosophila)	-1.50	0.59	0.20
A_51_P214449	NM_023127	Polr2k	17749	polymerase (RNA) II (DNA directed) polypeptide K	-1.32	0.59	0.40
A_52_P311104	NM_012047	Brd7	26992	bromodomain containing 7	-2.02	0.59	0.02
A_51_P139920	NM_011844	Mgll	23945	monoglyceride lipase	-1.55	0.59	0.16
A_52_P151303	AK085228	1810030O	69155	RIKEN cDNA 1810030O07 gene	-1.20	0.59	0.61
A_51_P208870	NM_027476	Zdhhc24	70605	zinc finger, DHHC domain containing 24	-1.59	0.59	0.14
A_51_P256919	NM_013672	Sp1	20683	trans-acting transcription factor 1	-1.48	0.59	0.20
A_51_P467770	NM_028874	Snx19	102607	sorting nexin 19	-1.89	0.59	0.04
A_51_P355821	NM_026999	Zfp688	69234	zinc finger protein 688	-1.39	0.59	0.28
A_52_P274238	NM_021500	Maea	59003	macrophage erythroblast attacher	-2.02	0.59	0.02
A_52_P368473	NM_011845	Mid2	23947	midline 2	-1.66	0.59	0.11
A_52_P1010776	XM_898625	2900056M	72997	RIKEN cDNA 2900056M20 gene	-2.00	0.59	0.02
A_52_P272811	NM_053193	Cpsf1	94230	cleavage and polyadenylation specific factor 1	-1.80	0.59	0.05
A_51_P462311	NM_023422	Hist1h2bc	68024	histone cluster 1, H2bc	-1.65	0.59	0.11
A_51_P515056	NM_013565	Itga3	16400	integrin alpha 3	-1.85	0.59	0.04
A_51_P408382	NM_001005	Itgb4	192897	integrin beta 4	-1.38	0.59	0.30
A_52_P417846	NM_198100	Tbkbp1	73174	TBK1 binding protein 1	-1.24	0.59	0.55
A_52_P472725	AK037872	Pex13	72129	peroxisomal biogenesis factor 13	-1.20	0.59	0.67
A_51_P264132	NM_027789	5430416O	71406	RIKEN cDNA 5430416O09 gene	-1.70	0.59	0.09
A_51_P506513	NM_024236	Qdpr	110391	quinoid dihydropteridine reductase	-1.91	0.59	0.04

A_52_P235241	NM_145927	Fntb	110606	farnesyltransferase, CAAX box, beta asparagine-linked glycosylation 1 homolog (yeast, beta-	-1.80	0.59	0.05
A_51_P329793	NM_145362	Alg1	208211	1,4-mannosyltransferase)	-1.75	0.59	0.07
A_51_P219064	NM_001077	Prmt2	15468	protein arginine N-methyltransferase 2	-1.37	0.59	0.33
A_52_P402127	BC093515	NA	NA	NA	-1.25	0.59	0.53
A_52_P333178	NM_011131	Pold1	18971	polymerase (DNA directed), delta 1, catalytic subunit	-1.60	0.59	0.14
A_52_P421815	AK033274	Hgf	15234	hepatocyte growth factor	-1.22	0.58	0.58
A_51_P515997	NM_008717	Zfml	18139	zinc finger, matrin-like	-1.85	0.58	0.04
A_52_P434729	NM_144534	Tmem38a	74166	transmembrane protein 38A	-1.48	0.58	0.20
A_51_P389506	BC012231	2810453I06	67238	RIKEN cDNA 2810453I06 gene	-1.37	0.58	0.33
A_51_P193302	NM_025305	Mrps7	50529	mitochondrial ribosomal protein S7	-1.15	0.58	0.82
A_51_P204492	XM_891788	NA	NA	NA	-1.72	0.58	0.07
A_52_P474658	NM_026121	Bag4	67384	BCL2-associated athanogene 4	-1.38	0.58	0.30
A_51_P322994	NM_175001	Mrpl22	216767	mitochondrial ribosomal protein L22	-1.71	0.58	0.09
A_51_P176459	NM_017479	Myst4	54169	MYST histone acetyltransferase monocytic leukemia 4	-1.45	0.58	0.22
A_51_P370286	NM_011869	Med24	23989	mediator complex subunit 24	-1.99	0.58	0.03
A_51_P301311	NM_028412	Ciz1	68379	CDKN1A interacting zinc finger protein 1	-1.67	0.58	0.10
A_51_P482043	NM_175266	Epm2aip1	77781	EPM2A (laforin) interacting protein 1	-1.76	0.58	0.07
A_52_P176361	NM_178200	Hist1h2bm	319186	histone cluster 1, H2bm	-1.60	0.58	0.14
A_52_P41014	NM_028963	4933427D14	74477	RIKEN cDNA 4933427D14 gene	-1.53	0.58	0.17
A_51_P281384	NM_029734	Wdyhv1	76773	WDYHV motif containing 1 ArfGAP with coiled-coil, ankyrin repeat and PH domains	-1.82	0.58	0.05
A_52_P507364	NM_030138	Acap2	78618	2 golgi associated, gamma adaptin ear containing, ARF	-1.33	0.58	0.40
A_51_P226853	NM_145929	Gga1	106039	binding protein 1	-1.99	0.58	0.03
A_52_P1687	NM_199472	NA	NA	NA	-1.48	0.58	0.20
A_52_P24896	AK028390	NA	NA	NA	-1.30	0.58	0.44
A_51_P113403	NM_178743	Slc26a11	268512	solute carrier family 26, member 11 Williams-Beuren syndrome chromosome region 16	-1.54	0.58	0.16
A_51_P386526	NM_033572	Wbscr16	94254	homolog (human) transient receptor potential cation channel, subfamily	-1.78	0.58	0.06
A_52_P303100	NM_175130	Trpm4	68667	M, member 4	-1.34	0.58	0.37

A_52_P679101	NM_011597	Tjp2	21873	tight junction protein 2	-1.51	0.58	0.18
A_51_P232399	NM_027857	Acy3	71670	aspartoacylase (aminoacylase) 3	-1.76	0.58	0.07
A_51_P202541	NM_025298	Polr3e	26939	polymerase (RNA) III (DNA directed) polypeptide E DCN1, defective in cullin neddylation 1, domain	-1.79	0.58	0.06
A_52_P414420	NM_033623	Dcun1d1	114893	containing 1 (<i>S. cerevisiae</i>)	-1.93	0.58	0.03
A_52_P170635	NM_007547	Sirpa	19261	signal-regulatory protein alpha	-1.60	0.58	0.13
A_52_P188215	AK034089	3110047P2	319807	RIKEN cDNA 3110047P20 gene	-2.06	0.58	0.02
A_52_P118100	XM_356065	Ddhd2	72108	DDHD domain containing 2	-1.73	0.58	0.07
A_52_P314181	AK040606	NA	NA	NA DCN1, defective in cullin neddylation 1, domain	-1.48	0.58	0.20
A_52_P238014	NM_178896	Dcun1d4	100737	containing 4 (<i>S. cerevisiae</i>)	-1.33	0.58	0.37
A_52_P491244	NM_133208	Zfp287	170740	zinc finger protein 287	-1.74	0.58	0.07
A_51_P310398	NM_021028	Tk2	57813	thymidine kinase 2, mitochondrial	-1.80	0.58	0.05
A_52_P88695	NM_016811	Dgka	13139	diacylglycerol kinase, alpha	-1.75	0.58	0.07
A_51_P185871	NM_018810	Mkrn1	54484	makorin, ring finger protein, 1	-1.48	0.58	0.20
A_52_P819555	AK048651	NA	NA	NA solute carrier family 4, sodium bicarbonate	-1.77	0.58	0.06
A_51_P140347	NM_172830	Slc4a9	240215	cotransporter, member 9	-1.29	0.58	0.46
A_51_P495485	NM_028264	Tmem55a	72519	transmembrane protein 55A	-2.05	0.58	0.02
A_51_P452280	NM_010839	Mtcp1	17763	mature T-cell proliferation 1	-1.57	0.58	0.15
A_52_P19109	NM_172538	Vezt	215008	vezatin, adherens junctions transmembrane protein	-1.54	0.58	0.16
A_52_P868210	AK086789	NA	NA	NA	-1.68	0.58	0.09
A_52_P131353	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-1.72	0.58	0.07
A_52_P120510	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-1.94	0.58	0.03
A_51_P216595	NM_175482	Usp28	235323	ubiquitin specific peptidase 28	-1.72	0.58	0.07
A_52_P271	NM_029669	Dnajc18	76594	Dnaj (Hsp40) homolog, subfamily C, member 18	-1.49	0.58	0.20
A_52_P388224	NM_175665	Hist1h2bk	319184	histone cluster 1, H2bk	-1.64	0.58	0.11
A_52_P534870	NM_009741	Bcl2	12043	B-cell leukemia/lymphoma 2	-1.54	0.58	0.17
A_51_P359237	NM_025439	Tmem9	66241	transmembrane protein 9	-1.51	0.58	0.18
A_52_P602996	NM_025670	5730403B1	66626	RIKEN cDNA 5730403B10 gene	-1.12	0.58	0.86
A_52_P61339	AK036089	Cenpo	52504	centromere protein O	-1.81	0.58	0.05
A_51_P399614	NM_023322	Zkscan14	67235	zinc finger with KRAB and SCAN domains 14	-1.60	0.58	0.14

A_51_P194853	NM_146013	Sec14l4	103655	SEC14-like 4 (<i>S. cerevisiae</i>)	-1.61	0.58	0.13
A_51_P308111	AK136371	NA	NA	NA	-1.53	0.58	0.17
A_51_P125183	NM_026504	Coq5	52064	coenzyme Q5 homolog, methyltransferase (yeast)	-1.37	0.58	0.33
A_52_P724015	AI508575	NA	NA	NA	-1.72	0.58	0.07
A_51_P159673	NM_019727	Snx1	56440	sorting nexin 1	-1.56	0.58	0.15
A_51_P339154	NM_146058	NA	NA	NA	-1.54	0.58	0.16
A_52_P747671	AK085431	NA	NA	NA	-1.93	0.58	0.03
A_52_P214976	AK031369	NA	NA	NA	-1.64	0.58	0.11
A_51_P138923	NM_013788	Peg12	27412	paternally expressed 12	-1.43	0.58	0.24
A_51_P457430	NM_172960	Adck5	268822	aarF domain containing kinase 5	-1.39	0.58	0.30
A_52_P202259	NM_198299	E130303B0	102124	RIKEN cDNA E130303B06 gene	-2.07	0.58	0.02
A_51_P134262	NM_028539	NA	NA	NA	-1.14	0.58	0.82
A_51_P121652	NM_026877	Aspscr1	68938	alveolar soft part sarcoma chromosome region, candidate 1 (human)	-1.61	0.58	0.13
A_52_P971150	AK008679	Nr4a2	18227	nuclear receptor subfamily 4, group A, member 2	-1.83	0.58	0.04
A_52_P427449	NM_018832	Magix	54634	MAGI family member, X-linked	-1.73	0.58	0.07
A_52_P69043	NM_025937	Nkap	67050	NFKB activating protein	-1.33	0.58	0.37
A_52_P34031	NM_029331	1700019G17	175541	RIKEN cDNA 1700019G17 gene	-1.16	0.58	0.77
A_51_P122226	NM_025657	Lrrc57	66606	leucine rich repeat containing 57	-1.26	0.58	0.53
A_51_P515482	NM_019817	Copz1	56447	coatomer protein complex, subunit zeta 1	-1.70	0.58	0.09
A_52_P8444	NM_153177	Eif2c4	76850	eukaryotic translation initiation factor 2C, 4	-1.69	0.58	0.09
A_52_P239645	BC059053	Papd5	214627	PAP associated domain containing 5	-1.75	0.58	0.07
A_52_P644690	AK041146	NA	NA	NA	-2.05	0.58	0.02
A_51_P167452	AK049330	Snap47	67826	synaptosomal-associated protein, 47	-1.66	0.58	0.11
A_52_P175699	AK122261	Mtmt3	74302	myotubularin related protein 3	-1.78	0.58	0.06
A_51_P377789	NM_009582	Map3k12	26404	mitogen-activated protein kinase kinase kinase 12	-2.00	0.58	0.02
A_51_P288390	NM_008837	Pick1	18693	protein interacting with C kinase 1	-1.73	0.58	0.07
A_51_P151897	BC059860	R3hcc1	71843	R3H domain and coiled-coil containing 1	-1.67	0.58	0.10
A_51_P444874	NM_008702	Nlk	18099	nemo like kinase	-1.58	0.58	0.15
A_51_P356265	NM_016845	Acrbp	54137	proacrosin binding protein	-1.33	0.58	0.40
A_51_P203022	NM_026306	Trmt112	67674	tRNA methyltransferase 11-2 homolog (<i>S. cerevisiae</i>)	-2.30	0.58	0.01

A_52_P389274	AK019095	Sfi1	78887	Sfi1 homolog, spindle assembly associated (yeast)	-1.34	0.58	0.37
A_52_P328492	NM_001079	Gas2l3	237436	growth arrest-specific 2 like 3	-1.91	0.58	0.04
A_52_P619138	NM_011062	Pdpk1	18607	3-phosphoinositide dependent protein kinase-1	-1.48	0.58	0.20
A_51_P490767	NM_008439	Khk	16548	ketohexokinase	-1.69	0.58	0.09
A_52_P424650	AK052336	Sorbs2	234214	sorbin and SH3 domain containing 2	-1.98	0.58	0.03
A_51_P336790	NM_025520	Lsm5	66373	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.75	0.58	0.07
A_52_P180842	NM_177333	Exoc3	211446	exocyst complex component 3	-1.47	0.58	0.21
A_51_P342652	NM_008339	Cd79b	15985	CD79B antigen	-1.53	0.58	0.17
A_52_P300856	AK034570	D130020L0319760		RIKEN cDNA D130020L05 gene	-1.65	0.58	0.11
A_51_P215922	NM_009811	Casp6	12368	caspase 6	-1.22	0.58	0.58
A_52_P611787	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-1.79	0.58	0.06
A_51_P117618	NM_023154	Ethe1	66071	ethylmalonic encephalopathy 1	-1.52	0.58	0.18
A_52_P374351	NM_053164	Mrpl43	94067	mitochondrial ribosomal protein L43	-2.23	0.58	0.01
A_51_P378545	NM_028030	Rbpms2	71973	RNA binding protein with multiple splicing 2	-1.71	0.58	0.09
A_51_P476418	BC057368	Dock6	319899	dedicator of cytokinesis 6	-1.52	0.58	0.18
A_51_P408561	NM_207219	AI314976	106821	expressed sequence AI314976	-2.17	0.58	0.01
A_51_P511707	NM_025636	2310079N066566		RIKEN cDNA 2310079N02 gene	-2.04	0.58	0.02
A_51_P345362	NM_001003	Arhgef11	213498	Rho guanine nucleotide exchange factor (GEF) 11	-1.45	0.58	0.22
A_51_P290352	AK140033	AI452195	105178	expressed sequence AI452195	-1.56	0.58	0.15
A_51_P352245	NM_018744	Sema6a	20358	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	-1.88	0.58	0.04
A_52_P249920	BC103777	Zscan29	99334	zinc finger SCAN domains 29	-1.72	0.58	0.07
A_52_P163755	NM_027658	Hexim2	71059	hexamethylene bis-acetamide inducible 2	-1.45	0.58	0.22
A_51_P281024	NM_011237	Rad9	19367	RAD9 homolog (S. pombe)	-1.99	0.58	0.03
A_52_P135495	NA	NA	NA	NA	-1.82	0.58	0.05
A_51_P215627	NM_207229	Plac9	211623	placenta specific 9	-1.48	0.58	0.20
A_51_P282930	NM_011281	Rorc	19885	RAR-related orphan receptor gamma	-1.48	0.58	0.20
A_52_P69506	NM_177566	Arhgef15	442801	Rho guanine nucleotide exchange factor (GEF) 15	-1.70	0.58	0.09
A_52_P134228	NM_028185	Lsm11	72290	U7 snRNP-specific Sm-like protein LSM11	-2.03	0.58	0.02
A_52_P289835	NM_183186	Foxn3	71375	forkhead box N3	-1.51	0.58	0.20
A_51_P436817	NM_015761	Dos	216164	downstream of Stk11	-2.04	0.58	0.02
A_51_P269549	NM_031254	Trem2	83433	triggering receptor expressed on myeloid cells 2	-1.48	0.58	0.20

A_51_P247665	NM_178811	Ttc15	217449	tetratricopeptide repeat domain 15	-1.77	0.58	0.07
A_51_P163778	NM_027274	NA	NA	NA	-1.87	0.58	0.04
A_52_P397786	AK033959	Lpin2	64898	lipin 2	-1.44	0.58	0.24
A_52_P20639	NM_023727	Rd3	74023	retinal degeneration 3	-1.36	0.58	0.34
A_52_P338717	NM_030064	Phf23	78246	PHD finger protein 23	-1.82	0.58	0.05
				eukaryotic translation initiation factor 2B, subunit 4			
A_51_P424079	NM_010122	Eif2b4	13667	delta	-1.79	0.58	0.06
A_52_P484442	NM_001037	Zfp27	22689	zinc finger protein 27	-1.71	0.58	0.09
A_51_P367843	NM_026329	Polr2g	67710	polymerase (RNA) II (DNA directed) polypeptide G	-1.51	0.58	0.18
A_51_P308844	NM_153529	Nrn1	68404	neuritin 1	-1.34	0.58	0.37
A_51_P442327	NM_153406	Cyt5a	74392	cytospin A	-1.94	0.58	0.03
A_51_P394154	NM_027156	Ddx51	69663	DEAD (Asp-Glu-Ala-Asp) box polypeptide 51	-1.70	0.58	0.09
A_52_P358097	BC094565	Fbxo10	269529	F-box protein 10	-1.15	0.58	0.77
A_52_P589699	BC053071	Polr3a	218832	polymerase (RNA) III (DNA directed) polypeptide A	-1.75	0.58	0.07
A_51_P303725	NM_144534	Tmem38a	74166	transmembrane protein 38A	-1.45	0.58	0.22
A_52_P494372	NM_173002	Zxdc	80292	ZXD family zinc finger C	-1.13	0.58	0.86
A_51_P153224	NM_025428	Zdhhc12	66220	zinc finger, DHHC domain containing 12	-1.77	0.58	0.06
				glyceraldehyde-3-phosphate dehydrogenase			
A_52_P614417	AK082178	3000002C1	378954	pseudogene	-1.64	0.58	0.11
A_52_P285674	NM_178764	Fam168a	319604	family with sequence similarity 168, member A	-1.65	0.58	0.11
A_51_P154668	NM_001004	NA	NA	NA	-1.82	0.58	0.05
A_52_P563670	NA	NA	NA	NA	-1.40	0.58	0.28
A_52_P114494	AK149563	Stat6	20852	signal transducer and activator of transcription 6	-1.71	0.58	0.07
A_51_P297480	NM_144491	Dph1	116905	DPH1 homolog (<i>S. cerevisiae</i>)	-1.81	0.58	0.05
A_51_P268953	AK170682	Tmem64	100201	transmembrane protein 64	-1.79	0.58	0.06
A_51_P111583	NM_009319	Tarbp2	21357	TAR (HIV) RNA binding protein 2	-2.12	0.58	0.01
A_52_P636752	NM_020010	Cyp51	13121	cytochrome P450, family 51	-1.55	0.58	0.16
A_51_P283151	NM_028995	Nipal3	74552	NIPA-like domain containing 3	-1.20	0.58	0.67
A_51_P247184	NM_008728	Npr3	18162	natriuretic peptide receptor 3	-1.86	0.58	0.04
A_51_P120239	NM_008986	Ptrf	19285	polymerase I and transcript release factor	-1.73	0.58	0.07
A_52_P412529	NM_020593	Fbxo3	57443	F-box protein 3	-1.34	0.58	0.37
A_52_P600531	NM_001045	Bahd1	228536	bromo adjacent homology domain containing 1	-1.76	0.58	0.07

A_51_P465232	NM_139295	Mcfd2	193813	multiple coagulation factor deficiency 2	-1.60	0.58	0.14
A_52_P658824	NM_026283	Samd8	67630	sterile alpha motif domain containing 8	-1.46	0.58	0.21
A_52_P399204	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-1.49	0.58	0.20
A_52_P367440	NM_028774	Rnf6	74132	ring finger protein (C3H2C3 type) 6	-1.60	0.58	0.14
A_51_P298052	NM_153571	Hscb	100900	HscB iron-sulfur cluster co-chaperone homolog (E. coli)	-1.46	0.58	0.21
A_52_P538709	NM_133932	Tada3	101206	transcriptional adaptor 3	-1.90	0.58	0.04
A_52_P55489	NA	NA	NA	NA	-1.20	0.58	0.61
A_52_P585831	NM_027088	Bap1	104416	Brca1 associated protein 1	-1.78	0.58	0.06
A_51_P417179	NM_201230	Fgfr1op	75296	Fgfr1 oncogene partner	-1.93	0.58	0.03
A_51_P378298	NM_026976	Faim3	69169	Fas apoptotic inhibitory molecule 3	-1.53	0.58	0.17
A_51_P267454	NM_024211	Slc25a11	67863	solute carrier family 25 (mitochondrial carrier oxoglutarate carrier), member 11	-1.79	0.58	0.06
A_51_P203878	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-1.54	0.58	0.17
A_52_P389230	NM_198160	Smarcc2	68094	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2	-1.37	0.58	0.33
A_51_P326434	NM_025827	Lonp2	66887	lon peptidase 2, peroxisomal	-1.59	0.58	0.14
A_52_P281879	NM_011551	Ubtf	21429	upstream binding transcription factor, RNA polymerase I	-1.85	0.58	0.04
A_51_P395405	BC057606	Klhl5	71778	kelch-like 5 (Drosophila)	-1.14	0.58	0.82
A_52_P620432	AK019968	Fam82b	66302	family with sequence similarity 82, member B	-1.60	0.58	0.13
A_52_P563617	NM_133772	Ssbp4	76900	single stranded DNA binding protein 4	-1.65	0.58	0.11
A_51_P266940	NM_172414	Fam164c	72350	family with sequence similarity 164, member C	-1.68	0.58	0.10
A_52_P368427	NM_181569	Mare	17168	alpha globin regulatory element containing gene	-1.86	0.58	0.04
A_51_P222033	NM_178070	Vps33b	233405	vacuolar protein sorting 33B (yeast)	-1.91	0.58	0.04
A_51_P115715	NM_023049	Asb2	65256	ankyrin repeat and SOCS box-containing 2	-1.81	0.58	0.05
A_51_P439326	NM_146011	Arhgap9	216445	Rho GTPase activating protein 9	-2.03	0.58	0.02
A_51_P359603	NM_013566	Itgb7	16421	integrin beta 7	-1.87	0.58	0.04
A_51_P192344	NM_011791	Ash2l	23808	ash2 (absent, small, or homeotic)-like (Drosophila)	-1.90	0.57	0.04
A_51_P226465	NM_145579	Mypop	232934	Myb-related transcription factor, partner of profilin	-1.72	0.57	0.07
A_51_P107378	NM_026067	Eri1	67276	exoribonuclease 1	-1.61	0.57	0.13

A_51_P244356	NM_179203	Atad3a	108888	ATPase family, AAA domain containing 3A	-1.77	0.57	0.07
A_52_P40191	NM_021454	Cdc42ep5	58804	CDC42 effector protein (Rho GTPase binding) 5	-1.87	0.57	0.04
A_52_P289213	BX513654	NA	NA	NA	-1.31	0.57	0.44
A_52_P478729	NM_194348	Atg2a	329015	ATG2 autophagy related 2 homolog A (<i>S. cerevisiae</i>)	-1.66	0.57	0.11
A_51_P255441	NM_053164	Mrpl43	94067	mitochondrial ribosomal protein L43	-2.21	0.57	0.01
A_51_P223971	NM_033476	Tcfcp2	21422	transcription factor CP2	-1.25	0.57	0.53
A_52_P80444	NM_010073	Dpm2	13481	dolichol-phosphate (beta-D) mannosyltransferase 2	-1.93	0.57	0.03
A_51_P486668	AK007954	Uggt2	66435	UDP-glucose glycoprotein glucosyltransferase 2	-1.45	0.57	0.22
A_52_P22446	NM_033324	Dgcr8	94223	DiGeorge syndrome critical region gene 8	-1.69	0.57	0.09
A_51_P462422	NM_008124	Gjb1	14618	gap junction protein, beta 1	-1.79	0.57	0.06
A_51_P348764	NM_023229	Fastk	66587	Fas-activated serine/threonine kinase	-1.78	0.57	0.06
A_52_P346774	AK053808	Atp5a1	11946	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1	-1.33	0.57	0.40
A_51_P450123	NM_053163	Mrpl36	94066	mitochondrial ribosomal protein L36	-1.87	0.57	0.04
A_51_P408604	NM_028115	Trub1	72133	TruB pseudouridine (psi) synthase homolog 1 (<i>E. coli</i>)	-1.78	0.57	0.06
A_51_P467889	NM_025400	Nat9	66176	N-acetyltransferase 9 (GCN5-related, putative)	-1.32	0.57	0.40
A_51_P201254	AK047739	NA	NA	NA	-1.89	0.57	0.04
A_52_P497534	NM_145940	Wipi1	52639	WD repeat domain, phosphoinositide interacting 1	-1.42	0.57	0.27
A_52_P58066	BB180072	NA	NA	NA	-1.64	0.57	0.11
A_51_P334504	NM_212468	Ssbp1	381760	single-stranded DNA binding protein 1	-1.78	0.57	0.06
A_52_P387458	AJ293625	1810035L1	380773	RIKEN cDNA 1810035L17 gene	-1.64	0.57	0.11
A_52_P835711	AK043497	NA	NA	NA	-1.67	0.57	0.10
A_52_P476904	BC059807	Chd6	71389	chromodomain helicase DNA binding protein 6	-2.01	0.57	0.02
A_52_P931043	AK088797	NA	NA	NA	-1.61	0.57	0.13
A_51_P472888	NM_198299	E130303B0	102124	RIKEN cDNA E130303B06 gene	-1.94	0.57	0.03
A_52_P4937	NM_010716	Lig3	16882	ligase III, DNA, ATP-dependent	-1.74	0.57	0.07
A_52_P447985	NM_023217	Pgpep1	66522	pyroglutamyl-peptidase I	-1.95	0.57	0.03
A_51_P302651	NM_176979	Topbp1	235559	topoisomerase (DNA) II binding protein 1	-1.20	0.57	0.67
A_51_P512205	NM_001009	Unc13d	70450	unc-13 homolog D (<i>C. elegans</i>)	-1.85	0.57	0.04
A_51_P249909	NM_010702	Lect2	16841	leukocyte cell-derived chemotaxin 2	-1.97	0.57	0.03

A_51_P484959	NM_030566	Rabep2	70314	rabaptin, RAB GTPase binding effector protein 2	-1.81	0.57	0.05
A_51_P498257	NM_025999	Rnf141	67150	ring finger protein 141	-1.68	0.57	0.10
A_52_P480360	NM_023595	Dut	110074	deoxyuridine triphosphatase	-1.36	0.57	0.33
A_51_P188911	NM_172693	Galnt12	230145	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12	-1.54	0.57	0.16
A_52_P632191	NM_023739	Nfx1	74164	nuclear transcription factor, X-box binding 1	-1.35	0.57	0.34
A_52_P322364	NM_133906	Zkscan1	74570	zinc finger with KRAB and SCAN domains 1	-1.58	0.57	0.15
A_51_P176524	NM_019574	Patz1	56218	POZ (BTB) and AT hook containing zinc finger 1	-1.86	0.57	0.04
A_52_P574306	NM_023114	Apoc3	11814	apolipoprotein C-III	-1.32	0.57	0.40
A_51_P349888	NM_007449	Ang2	11731	angiogenin, ribonuclease A family, member 2	-1.09	0.57	0.97
A_52_P222593	AK003199	1110001A168554		RIKEN cDNA 1110001A16 gene	-1.65	0.57	0.11
A_51_P513041	AK014639	Dnajc1	13418	Dnaj (Hsp40) homolog, subfamily C, member 1	-2.15	0.57	0.01
A_52_P804819	NA	NA	NA	NA	-1.87	0.57	0.04
A_52_P400677	NM_134067	AW209491	105351	expressed sequence AW209491	-1.68	0.57	0.10
A_51_P163233	NM_028814	2810403AC74200		RIKEN cDNA 2810403A07 gene	-1.60	0.57	0.14
A_52_P198780	NM_023873	Cep70	68121	centrosomal protein 70	-2.33	0.57	0.01
A_52_P613643	NM_177565	Zfp3	193043	zinc finger protein 3	-1.76	0.57	0.07
A_51_P317618	NM_025795	Ncaph2	52683	non-SMC condensin II complex, subunit H2	-1.93	0.57	0.03
A_51_P378558	NM_144911	Rpap2	231571	RNA polymerase II associated protein 2	-1.66	0.57	0.11
A_51_P304256	NA	NA	NA	NA	-1.55	0.57	0.16
A_51_P378450	NM_145480	Rfc4	106344	replication factor C (activator 1) 4	-1.23	0.57	0.58
A_52_P303841	XM_986220	Gm5296	384261	predicted gene 5296	-1.75	0.57	0.07
A_51_P396752	NM_024191	Arl2bp	107566	ADP-ribosylation factor-like 2 binding protein	-1.22	0.57	0.58
A_51_P188271	NM_054042	Cd248	70445	CD248 antigen, endosialin	-1.18	0.57	0.70
A_51_P274477	AK138175	Mipol1	73490	mirror-image polydactyly gene 1 homolog (human)	-1.76	0.57	0.07
A_51_P148163	NM_028020	Cpsf3l	71957	cleavage and polyadenylation specific factor 3-like	-1.53	0.57	0.17
A_52_P608132	NM_001024	Snx32	225861	sorting nexin 32	-1.59	0.57	0.14
A_52_P389043	NM_027933	Ranbp3	71810	RAN binding protein 3	-1.54	0.57	0.17
A_52_P24951	NM_001005	Ado	211488	2-aminoethanethiol (cysteamine) dioxygenase	-1.95	0.57	0.03
A_51_P376454	BI646741	NA	NA	NA	-1.52	0.57	0.18
A_51_P440892	NM_026344	Dph2	67728	DPH2 homolog (S. cerevisiae)	-1.42	0.57	0.27

A_51_P314186	NM_001079	Syne1	64009	synaptic nuclear envelope 1	-1.37	0.57	0.33
A_51_P514730	NM_026615	Urm1	68205	ubiquitin related modifier 1 homolog (<i>S. cerevisiae</i>)	-1.97	0.57	0.03
A_51_P126817	NM_020580	Th1l	57314	TH1-like homolog (<i>Drosophila</i>)	-2.11	0.57	0.01
A_52_P357611	NM_016720	Neu3	50877	neuraminidase 3	-1.89	0.57	0.04
A_51_P454103	NM_027288	Manba	110173	mannosidase, beta A, lysosomal	-1.15	0.57	0.82
A_52_P213220	NA	NA	NA	NA	-1.56	0.57	0.15
A_52_P583563	AK083630	Tom11l	71943	target of myb1-like 1 (chicken)	-2.03	0.57	0.02
A_52_P869366	BC029706	Smcr7l	239555	Smith-Magenis syndrome chromosome region, candidate 7-like (human)	-2.21	0.57	0.01
A_51_P286865	BC064745	Wdr33	74320	WD repeat domain 33	-1.92	0.57	0.03
A_51_P373402	NM_026197	Mett10d	67493	methyltransferase 10 domain containing	-1.73	0.57	0.07
A_51_P333159	NM_026653	Rpa1	68275	replication protein A1	-1.46	0.57	0.21
A_52_P126111	AK008852	1700113A1	176642	RIKEN cDNA 1700113A16 gene	-1.70	0.57	0.09
A_51_P510106	NM_178664	B3gntl1	210004	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1	-1.80	0.57	0.05
A_51_P317321	NM_001039	Iffo1	320678	intermediate filament family orphan 1	-1.59	0.57	0.14
A_51_P364609	NM_019699	Fads2	56473	fatty acid desaturase 2	-2.11	0.57	0.01
A_51_P347431	NM_145415	AA408296	215193	expressed sequence AA408296	-1.90	0.57	0.04
A_51_P519108	AK078087	6330439K1	241688	RIKEN cDNA 6330439K17 gene	-1.48	0.57	0.20
A_51_P468398	NM_175300	Anapc2	99152	anaphase promoting complex subunit 2	-1.97	0.57	0.03
A_52_P649249	NM_026858	Xrcc6bp1	68876	XRCC6 binding protein 1	-2.04	0.57	0.02
A_51_P356512	NM_026139	Armcx2	67416	armadillo repeat containing, X-linked 2	-1.26	0.57	0.53
A_51_P478279	NM_053170	Trim33	94093	tripartite motif-containing 33	-2.02	0.57	0.02
A_52_P134023	NM_153100	Rtp3	235636	receptor transporter protein 3	-1.49	0.57	0.20
A_52_P384392	NM_023910	Tsc22d4	78829	TSC22 domain family, member 4	-1.12	0.57	0.86
A_52_P624284	AK039665	Taok3	330177	TAO kinase 3	-1.72	0.57	0.07
A_52_P487362	NM_028980	Ppp4r4	74521	protein phosphatase 4, regulatory subunit 4	-1.80	0.57	0.05
A_51_P502764	NM_199198	Hdac10	170787	histone deacetylase 10	-1.90	0.57	0.04
A_52_P7554	NM_010681	Lama4	16775	laminin, alpha 4	-1.68	0.57	0.10
A_52_P636199	NM_008017	Smc2	14211	structural maintenance of chromosomes 2	-1.72	0.57	0.07
A_51_P382925	NM_010175	Fadd	14082	Fas (TNFRSF6)-associated via death domain	-2.19	0.57	0.01
A_51_P251737	NM_001025	DXBay18	574405	DNA segment, Chr X, Baylor 18	-1.51	0.57	0.18
A_51_P235244	AK129261	Dnmbp	71972	dynamamin binding protein	-1.07	0.57	1.04

A_52_P276877	AK049961	NA	NA	NA	-2.02	0.57	0.02
A_51_P399985	NM_015742	Myo9b	17925	myosin IXb	-1.94	0.57	0.03
A_51_P484030	NM_010717	Limk1	16885	LIM-domain containing, protein kinase	-1.77	0.57	0.06
A_51_P427232	NM_183088	Scand3	71970	SCAN domain containing 3	-1.39	0.57	0.28
A_52_P119301	XM_133692	NA	NA	NA	-1.53	0.57	0.17
A_51_P216905	NM_007438	Aldoa	11674	aldolase A, fructose-bisphosphate protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	-2.06	0.57	0.02
A_52_P154826	NM_012024	Ppp2r5e	26932	epsilon isoform	-1.87	0.57	0.04
A_51_P377856	NM_133994	Gstt3	103140	glutathione S-transferase, theta 3	-1.44	0.57	0.24
A_51_P189105	NA	NA	NA	NA	-1.72	0.57	0.07
A_51_P509489	NM_021284	Kras	16653	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	-1.99	0.57	0.03
A_51_P275407	NM_001033	Phactr2	215789	phosphatase and actin regulator 2	-1.67	0.57	0.10
A_51_P500760	XM_994514	Eid2b	434156	EP300 interacting inhibitor of differentiation 2B	-2.16	0.57	0.01
A_52_P307447	NM_023290	Mkrn2	67027	makorin, ring finger protein, 2 aminoadipate-semialdehyde dehydrogenase-	-2.15	0.57	0.01
A_52_P466907	NM_026276	Aasdhppt	67618	phosphopantetheinyl transferase	-2.17	0.57	0.01
A_52_P215152	NM_010636	Klf12	16597	Kruppel-like factor 12	-1.78	0.57	0.06
A_52_P320711	NM_009342	Dynlt1b	21648	dynein light chain Tctex-type 1D	-1.29	0.57	0.46
A_51_P190869	BB307119	NA	NA	NA	-1.71	0.57	0.07
A_51_P146953	NM_133229	Ripply3	170765	rippy3 homolog (zebrafish)	-1.67	0.57	0.10
A_52_P31246	NM_013883	Scmh1	29871	sex comb on midleg homolog 1	-1.96	0.57	0.03
A_52_P276525	NM_175207	Ankrd9	74251	ankyrin repeat domain 9	-1.58	0.57	0.15
A_51_P128065	NM_033573	Prcc	94315	papillary renal cell carcinoma (translocation-associated)	-1.66	0.57	0.11
A_51_P232384	NM_145566	Agfg2	231801	ArfGAP with FG repeats 2	-2.21	0.57	0.01
A_52_P341708	AK081879	NA	NA	NA	-1.62	0.57	0.12
A_52_P376214	NM_001037	Cstf3	228410	cleavage stimulation factor, 3' pre-RNA, subunit 3	-1.10	0.57	0.91
A_52_P388898	NM_028476	2610110G173242		RIKEN cDNA 2610110G12 gene	-1.64	0.57	0.11
A_52_P330540	NM_025642	2610039C166578		RIKEN cDNA 2610039C10 gene	-1.91	0.57	0.04
A_51_P517672	NM_178779	Rnf152	320311	ring finger protein 152	-1.50	0.57	0.20
A_51_P426283	NM_133347	Dhx30	72831	DEAH (Asp-Glu-Ala-His) box polypeptide 30 transmembrane protein 8 (five membrane-spanning domains)	-1.77	0.57	0.06
A_52_P167382	NM_021793	Tmem8	60455		-1.91	0.57	0.04

A_52_P622355	AK008145	Igl-V1	16142	immunoglobulin lambda chain, variable 1	-1.33	0.57	0.40
A_51_P398683	NM_026555	Rcn3	52377	reticulocalbin 3, EF-hand calcium binding domain oligonucleotide/oligosaccharide-binding fold containing	-1.56	0.57	0.15
A_52_P210123	NM_028696	Obfc2a	109019	2A	-1.30	0.57	0.44
A_51_P387248	NM_134135	Slc39a3	106947	solute carrier family 39 (zinc transporter), member 3	-2.14	0.57	0.01
A_51_P406008	NM_021555	Brp16	59053	brain protein 16	-1.67	0.57	0.10
A_51_P219918	NM_172383	Tmem125	230678	transmembrane protein 125	-1.50	0.57	0.20
A_52_P324986	NM_009275	Srprb	20818	signal recognition particle receptor, B subunit	-1.89	0.57	0.04
A_51_P487228	NM_172148	B9d2	232987	B9 protein domain 2	-1.46	0.57	0.21
A_52_P303904	XM_139295	Card6	239319	caspase recruitment domain family, member 6	-1.91	0.57	0.04
A_51_P485220	NM_173185	Csnk1g1	214897	casein kinase 1, gamma 1	-1.70	0.57	0.09
A_51_P492446	NM_172401	1110057K0	68832	RIKEN cDNA 1110057K04 gene	-1.74	0.57	0.07
A_51_P336721	NM_025372	Tipin	66131	timeless interacting protein core-binding factor, runt domain, alpha subunit 2,	-1.52	0.57	0.18
A_52_P279712	NM_172860	Cbfa2t2	12396	translocated to, 2 (human)	-2.17	0.57	0.01
A_51_P295389	BC047275	Chpf2	100910	chondroitin polymerizing factor 2	-1.36	0.57	0.33
A_52_P521882	NM_026812	Hddc3	68695	HD domain containing 3	-1.61	0.57	0.13
A_51_P185229	NM_007553	Bmp2	12156	bone morphogenetic protein 2	-1.52	0.57	0.18
A_52_P448805	AK007094	1700096K1	73571	RIKEN cDNA 1700096K18 gene	-1.56	0.57	0.15
A_51_P337230	NM_027864	Galnt14	71685	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N- acetylgalactosaminyltransferase 14	-1.08	0.57	0.97
A_51_P258894	NM_018763	Chst2	54371	carbohydrate sulfotransferase 2	-1.83	0.57	0.05
A_51_P465871	NM_021448	Elp2	58523	elongation protein 2 homolog (<i>S. cerevisiae</i>)	-2.09	0.57	0.02
A_51_P158425	NM_144893	Slc35c2	228875	solute carrier family 35, member C2	-1.59	0.57	0.14
A_52_P92514	AK171787	Fam48a	56790	family with sequence similarity 48, member A	-1.58	0.57	0.15
A_51_P228218	AK020571	NA	NA	NA	-1.56	0.57	0.15
A_52_P439001	NA	NA	NA	NA	-1.77	0.57	0.06
A_51_P282227	NM_020577	As3mt	57344	arsenic (+3 oxidation state) methyltransferase	-1.45	0.57	0.22
A_51_P233788	NM_023178	Dmap1	66233	DNA methyltransferase 1-associated protein 1	-2.18	0.57	0.01
A_51_P445473	NM_013524	Fut7	14347	fucosyltransferase 7	-1.83	0.57	0.05
A_52_P335354	NM_001079	Gas2l3	237436	growth arrest-specific 2 like 3	-2.05	0.57	0.02

A_52_P542204	NM_027134	Mtfmt	69606	mitochondrial methionyl-tRNA formyltransferase	-1.73	0.57	0.07
A_52_P683728	NM_175029	Atg4c	242557	autophagy-related 4C (yeast)	-1.20	0.57	0.61
A_52_P932813	AK140658	NA	NA	NA	-1.92	0.57	0.04
A_51_P152489	NM_026388	Tprgl	67808	transformation related protein 63 regulated like	-1.53	0.57	0.17
A_52_P598714	NM_054070	Afg3l1	114896	AFG3(ATPase family gene 3)-like 1 (yeast)	-1.46	0.57	0.22
A_52_P165497	NM_011385	Ski	20481	ski sarcoma viral oncogene homolog (avian)	-1.15	0.57	0.82
A_52_P1107697	AK031731	6030499A1	1E+08	RIKEN cDNA 6030499A19 gene	-1.71	0.57	0.07
A_52_P578347	NM_026799	Rnasen	14000	ribonuclease III, nuclear	-1.85	0.57	0.04
A_52_P483900	NA	NA	NA	NA	-1.67	0.57	0.10
				ubiquitin-like, containing PHD and RING finger domains			
A_51_P141772	NM_144873	Uhrf2	109113	2	-1.89	0.57	0.04
A_52_P355057	NM_021322	Wdr4	57773	WD repeat domain 4	-2.04	0.57	0.02
A_52_P378084	XR_002675	NA	NA	NA	-1.39	0.57	0.30
				NIMA (never in mitosis gene a)-related expressed kinase			
A_52_P440627	AK173292	Nek1	18004	1	-1.86	0.56	0.04
A_51_P370099	NM_008808	Pdgfa	18590	platelet derived growth factor, alpha	-1.94	0.56	0.03
A_51_P176522	AB029397	Patz1	56218	POZ (BTB) and AT hook containing zinc finger 1	-1.88	0.56	0.04
A_51_P217382	AK173007	Kif1c	16562	kinesin family member 1C	-2.02	0.56	0.02
A_51_P491150	AK143086	Klhl25	207952	kelch-like 25 (Drosophila)	-1.79	0.56	0.06
A_51_P147850	NM_010402	Hand2	15111	heart and neural crest derivatives expressed transcript 2	-1.51	0.56	0.18
A_51_P382700	AK076604	2900005J1	67261	RIKEN cDNA 2900005J15 gene	-2.17	0.56	0.01
A_51_P398435	NM_146191	Lrrk1	233328	leucine-rich repeat kinase 1	-1.41	0.56	0.27
				methylthioribose-1-phosphate isomerase homolog (S.			
A_52_P367791	NM_026423	Mri1	67873	cerevisiae)	-1.39	0.56	0.30
A_52_P680856	NM_009274	Srpk2	20817	serine/arginine-rich protein specific kinase 2	-1.77	0.56	0.06
A_52_P559066	AK145690	Aim1l	230806	absent in melanoma 1-like	-1.19	0.56	0.67
A_51_P157406	NM_008963	Ptgds	19215	prostaglandin D2 synthase (brain)	-1.39	0.56	0.30
A_51_P252859	NM_010516	Cyr61	16007	cysteine rich protein 61	-1.17	0.56	0.70
A_51_P388158	NM_018749	Eif3d	55944	eukaryotic translation initiation factor 3, subunit D	-1.87	0.56	0.04
A_51_P386585	NM_153410	Gpsm1	67839	G-protein signalling modulator 1 (AGS3-like, C. elegans)	-1.81	0.56	0.05

A_52_P497085	NM_172620	Vps52	224705	vacuolar protein sorting 52 (yeast)	-1.78	0.56	0.06
A_51_P442481	NM_019805	Anapc7	56317	anaphase promoting complex subunit 7	-2.22	0.56	0.01
A_51_P246146	NM_133714	231003712	69612	RIKEN cDNA 2310037124 gene	-2.08	0.56	0.02
A_51_P430071	NM_178214	Hist2h2be	319190	histone cluster 2, H2be	-1.62	0.56	0.12
A_51_P457989	NM_027491	Rragd	52187	Ras-related GTP binding D par-6 (partitioning defective 6) homolog beta (C. elegans)	-2.23	0.56	0.01
A_52_P455764	BC025147	Pard6b	58220	Rho GTPase activating protein 24	-1.69	0.56	0.09
A_51_P199725	NM_146161	Arhgap24	231532	RIKEN cDNA 9330151L19 gene	-1.74	0.56	0.07
A_51_P120066	AK161156	9330151L1	414085		-1.13	0.56	0.86
A_52_P459276	NM_009879	lft81	12589	intraflagellar transport 81 homolog (Chlamydomonas)	-2.23	0.56	0.01
A_52_P231410	AK029412	Polr3e	26939	polymerase (RNA) III (DNA directed) polypeptide E general transcription factor II E, polypeptide 2 (beta subunit)	-1.12	0.56	0.86
A_51_P404353	NM_026584	Gtf2e2	68153	predicted gene 4532	-1.59	0.56	0.14
A_52_P1082736	AK011173	Gm4532	1E+08	NA	-1.94	0.56	0.03
A_51_P147056	BF138649	NA	NA	NA	-1.41	0.56	0.27
A_51_P494675	NM_028071	Cotl1	72042	coactosin-like 1 (Dictyostelium)	-1.55	0.56	0.16
A_52_P262428	AK122343	Fkbp15	338355	FK506 binding protein 15 excision repair cross-complementing rodent repair deficiency, complementation group 4	-1.75	0.56	0.07
A_51_P210082	NM_015769	Ercc4	50505	Meis homeobox 2	-2.02	0.56	0.02
A_51_P422429	NM_010825	Meis2	17536	DNA fragmentation factor, alpha subunit Kell blood group precursor (McLeod phenotype)	-1.97	0.56	0.03
A_52_P586539	NM_001025	Dffa	13347	homolog	-2.15	0.56	0.01
A_52_P6828	BC054851	Xk	22439	CDK5 and Abl enzyme substrate 2	-2.05	0.56	0.02
A_52_P380124	NM_145851	Cables2	252966	zinc finger with KRAB and SCAN domains 1	-1.90	0.56	0.04
A_51_P190572	NM_133906	Zkscan1	74570	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 3	-1.76	0.56	0.07
A_52_P299231	AK028313	Slc25a3	18674	microtubule-associated protein tau	-1.54	0.56	0.16
A_51_P476689	NM_001038	Mapt	17762	BCL2 modifying factor	-1.70	0.56	0.09
A_52_P78830	NM_138313	Bmf	171543	adrenergic receptor, alpha 1b	-2.06	0.56	0.02
A_52_P639048	NM_007416	Adra1b	11548	heat shock factor binding protein 1	-1.66	0.56	0.11
A_51_P325624	NM_024219	Hsbp1	68196	annexin A6	-2.16	0.56	0.01
A_52_P434670	AK077843	Anxa6	11749		-1.46	0.56	0.22

A_51_P516625	NM_008090	Gata2	14461	GATA binding protein 2	-1.98	0.56	0.03
A_51_P499755	NM_009672	Anp32a	11737	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	-1.27	0.56	0.50
A_51_P223891	AK011097	Ttc30b	72421	tetratricopeptide repeat domain 30B	-1.48	0.56	0.20
A_51_P290626	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-2.01	0.56	0.02
A_52_P492901	NM_009294	Stx4a	20909	syntaxin 4A (placental)	-1.93	0.56	0.03
A_51_P187665	NM_028904	Rmi1	74386	RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae)	-1.97	0.56	0.03
A_52_P413661	BC079861	Mlh3	217716	mutL homolog 3 (E coli)	-1.75	0.56	0.07
A_51_P108731	NM_145632	Polr2h	245841	polymerase (RNA) II (DNA directed) polypeptide H	-1.67	0.56	0.10
A_51_P188108	NM_008480	Lama1	16772	laminin, alpha 1	-1.70	0.56	0.09
A_52_P110068	NM_021383	Rqcd1	58184	rcd1 (required for cell differentiation) homolog 1 (S. pombe)	-2.11	0.56	0.01
A_52_P516394	NA	NA	NA	NA	-1.79	0.56	0.06
A_51_P193524	NM_025876	Cdk5rap1	66971	CDK5 regulatory subunit associated protein 1	-1.63	0.56	0.12
A_52_P325428	BC039910	Ankzf1	52231	ankyrin repeat and zinc finger domain containing 1	-2.03	0.56	0.02
A_52_P505143	NM_008415	Jrk	16469	jerky	-1.63	0.56	0.12
A_51_P309988	NM_147217	Gprc5c	70355	G protein-coupled receptor, family C, group 5, member C	-1.84	0.56	0.04
A_52_P371705	NM_027351	Ppil3	70225	peptidylprolyl isomerase (cyclophilin)-like 3	-2.19	0.56	0.01
A_52_P164310	NM_134044	AI413782	104799	expressed sequence AI413782	-1.63	0.56	0.12
A_51_P385043	NM_178384	Zfp74	72723	zinc finger protein 74	-1.92	0.56	0.03
A_52_P594430	NM_028301	Anks3	72615	ankyrin repeat and sterile alpha motif domain containing 3	-1.86	0.56	0.04
A_52_P851171	AK036477	NA	NA	NA	-1.41	0.56	0.27
A_51_P417876	NM_144918	Smyd5	232187	SET and MYND domain containing 5	-1.66	0.56	0.11
A_51_P256623	NM_013629	Phtf1	18685	putative homeodomain transcription factor 1	-1.68	0.56	0.09
A_52_P596112	AK038934	Mafg	17134	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian)	-1.62	0.56	0.13
A_51_P148196	NM_009143	Sdf2	20316	stromal cell derived factor 2	-1.79	0.56	0.06
A_51_P163694	NM_172557	Rufy1	216724	RUN and FYVE domain containing 1	-1.40	0.56	0.28
A_51_P242446	NM_177758	Zscan20	269585	zinc finger and SCAN domains 20	-1.75	0.56	0.07

A_51_P506250	NM_026035	Mrpl55	67212	mitochondrial ribosomal protein L55	-1.50	0.56	0.20
A_51_P204831	M13018	Crip1	12925	cysteine-rich protein 1 (intestinal)	-1.32	0.56	0.40
A_51_P336827	NM_025558	Cyb5b	66427	cytochrome b5 type B	-1.64	0.56	0.11
A_52_P413348	NM_029389	Fam35a	75698	family with sequence similarity 35, member A	-1.20	0.56	0.61
A_51_P335583	NM_172561	Spag7	216873	sperm associated antigen 7	-1.73	0.56	0.07
A_51_P418081	AK035477	9530053J1!	53961	RIKEN cDNA 9530053J19 gene	-1.43	0.56	0.24
A_52_P25141	NM_019432	Tmem37	170706	transmembrane protein 37	-1.85	0.56	0.04
A_51_P432883	NM_028076	Tmub2	72053	transmembrane and ubiquitin-like domain containing 2	-1.94	0.56	0.03
A_51_P354652	NM_026232	Slc25a30	67554	solute carrier family 25, member 30	-1.11	0.56	0.91
A_51_P346104	NM_024499	Sgta	52551	small glutamine-rich tetratricopeptide repeat (TPR)- containing, alpha	-1.56	0.56	0.15
A_51_P305213	XM_286373	1810010H2	69066	RIKEN cDNA 1810010H24 gene	-1.69	0.56	0.09
A_51_P142896	NM_007652	Cd59a	12509	CD59a antigen	-1.78	0.56	0.06
A_51_P392090	NM_133683	Tmem19	67226	transmembrane protein 19	-1.73	0.56	0.07
A_51_P322220	NM_029752	Bri3bp	76809	Bri3 binding protein	-1.63	0.56	0.11
A_51_P191519	AB031550	Stard10	56018	START domain containing 10	-2.19	0.56	0.01
A_51_P366138	NM_008587	Mertk	17289	c-mer proto-oncogene tyrosine kinase	-1.42	0.56	0.27
A_51_P160372	NM_016757	Wbp1	22377	WW domain binding protein 1	-1.85	0.56	0.04
A_52_P504787	NM_010141	Epha7	13841	Eph receptor A7	-1.90	0.56	0.04
A_51_P324410	NM_016862	Vti1a	53611	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)	-1.96	0.56	0.03
A_52_P482849	XM_618787	NA	NA	NA	-1.66	0.56	0.11
A_52_P69040	NM_181040	Atpaf1	230649	ATP synthase mitochondrial F1 complex assembly factor 1	-1.73	0.56	0.07
A_51_P121236	NM_022654	Lrdd	57913	leucine-rich and death domain containing	-2.17	0.56	0.01
A_52_P594290	AK164078	Wdfy2	268752	WD repeat and FYVE domain containing 2	-1.84	0.56	0.04
A_51_P435366	NM_010719	Lipe	16890	lipase, hormone sensitive	-1.96	0.56	0.03
A_52_P15377	NM_011719	Wnt9b	22412	wingless-type MMTV integration site 9B	-1.74	0.56	0.07
A_51_P476725	AK017625	Myl6b	216459	myosin, light polypeptide 6B	-1.89	0.56	0.04
A_51_P220260	NM_009343	Phf1	21652	PHD finger protein 1	-1.33	0.56	0.37
A_51_P121288	NM_021527	Mkks	59030	McKusick-Kaufman syndrome protein	-1.76	0.56	0.07
A_52_P406036	NM_172407	Cdkn2aip	70925	CDKN2A interacting protein	-1.67	0.56	0.10
A_51_P413545	NM_029582	Txndc11	106200	thioredoxin domain containing 11	-1.36	0.56	0.33

A_52_P615958	NA	NA	NA	NA	-1.67	0.56	0.10
A_52_P575668	XM_0010038	Gm9387	668831	tetratricopeptide repeat domain 5 pseudogene	-1.51	0.56	0.18
A_51_P242796	NM_153126	Nat10	98956	N-acetyltransferase 10	-1.73	0.56	0.07
A_51_P415029	NM_008715	Ints6	18130	integrator complex subunit 6	-1.87	0.56	0.04
A_52_P601914	NM_146075	Lemd2	224640	LEM domain containing 2	-2.09	0.56	0.02
A_52_P672212	NM_007591	Calr	12317	calreticulin	-1.93	0.56	0.03
A_52_P425435	NA	NA	NA	NA	-2.25	0.56	0.01
A_51_P212271	NM_031998	Tsga14	83922	testis specific gene A14	-2.05	0.56	0.02
A_51_P262616	BC072607	Tbc1d30	74694	TBC1 domain family, member 30	-1.83	0.56	0.05
A_52_P462657	AK139527	Gm11545	217122	predicted gene 11545	-1.72	0.56	0.07
A_51_P108573	NM_175285	Tmem62	96957	transmembrane protein 62	-1.58	0.56	0.15
A_51_P286018	NM_021454	Cdc42ep5	58804	CDC42 effector protein (Rho GTPase binding) 5	-2.42	0.56	0.00
A_51_P135379	NM_025703	Tceal8	66684	transcription elongation factor A (SII)-like 8	-1.77	0.56	0.06
A_51_P241943	BC051686	Sap30l	50724	SAP30-like	-2.05	0.56	0.02
A_51_P297968	NM_027959	Pdia6	71853	protein disulfide isomerase associated 6	-1.78	0.56	0.06
A_51_P497692	NM_023788	Mageh1	75625	melanoma antigen, family H, 1	-1.95	0.56	0.03
A_52_P207635	NM_001033	Zfc3h1	216345	zinc finger, C3H1-type containing	-1.57	0.56	0.15
A_51_P450952	AK029271	1110036O	66180	RIKEN cDNA 1110036O03 gene	-1.61	0.56	0.13
A_51_P121818	NM_016781	Prkag1	19082	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	-1.79	0.56	0.06
A_52_P185568	BC094676	Wdr76	241627	WD repeat domain 76	-1.97	0.56	0.03
A_51_P353814	NM_153076	Crygn	214301	crystallin, gamma N	-1.20	0.56	0.67
A_51_P408537	NM_009054	Trim27	19720	tripartite motif-containing 27	-2.04	0.56	0.02
A_51_P321825	NM_026445	Sumf2	67902	sulfatase modifying factor 2	-1.94	0.56	0.03
A_52_P440729	AK035245	Atf7ip	54343	activating transcription factor 7 interacting protein	-1.68	0.56	0.10
A_51_P489503	BC025832	Notum	77583	notum pectinacylesterase homolog (Drosophila)	-1.70	0.56	0.09
A_51_P304707	NM_026465	Prdxdd1	67939	PrdX-deacylase domain 1	-1.74	0.56	0.07
A_51_P271665	NM_011264	Rev3l	19714	REV3-like, catalytic subunit of DNA polymerase zeta	-1.53	0.56	0.17
A_51_P143721	NM_134044	AI413782	104799	RAD54 like (S. cerevisiae)	-1.58	0.56	0.15
A_52_P259250	NM_007964	Evi5	14020	expressed sequence AI413782	-1.14	0.56	0.82
A_51_P433778	NM_009354	Tert	21752	ecotropic viral integration site 5	-1.83	0.56	0.04
				telomerase reverse transcriptase			

A_52_P218568	AK129091	Phf16	382207	PHD finger protein 16	-1.93	0.56	0.03
A_51_P390334	NA	NA	NA	NA	-1.45	0.56	0.22
A_52_P37697	NM_025575	Sys1	66460	SYS1 Golgi-localized integral membrane protein homolog (<i>S. cerevisiae</i>)	-2.00	0.56	0.02
A_52_P384491	NM_172573	Engase	217364	endo-beta-N-acetylglucosaminidase	-1.66	0.56	0.11
A_51_P358251	AK154853	261002910:77032		RIKEN cDNA 2610029101 gene	-1.85	0.56	0.04
A_52_P631153	AK084923	C530043K1320715		RIKEN cDNA C530043K16 gene	-1.63	0.56	0.12
A_52_P282058	NM_007739	Col8a1	12837	collagen, type VIII, alpha 1	-1.25	0.56	0.53
A_52_P301223	BC056618	Brwd1	93871	bromodomain and WD repeat domain containing 1	-2.19	0.56	0.01
A_51_P213205	NM_133778	Fam131a	78408	family with sequence similarity 131, member A	-1.76	0.56	0.07
A_51_P314273	X14206	Parp1	11545	poly (ADP-ribose) polymerase family, member 1	-1.47	0.56	0.21
A_52_P345078	AK147993	Wdr25	212198	WD repeat domain 25	-1.49	0.56	0.20
A_52_P534672	AK080176	Ppp4r1l	1E+08	protein phosphatase 4, regulatory subunit 1-like	-1.94	0.56	0.03
A_51_P178646	NM_026308	Rpp21	67676	ribonuclease P 21 subunit (human)	-1.74	0.56	0.07
A_51_P314652	NM_177130	Glt28d2	320302	glycosyltransferase 28 domain containing 2	-1.54	0.55	0.16
A_52_P279391	AK030352	Clock	12753	circadian locomoter output cycles kaput	-1.61	0.55	0.13
A_51_P410927	AK016980	Gm9856	1E+08	predicted gene 9856	-1.80	0.55	0.05
A_51_P435363	NM_010719	Lipe	16890	lipase, hormone sensitive	-1.94	0.55	0.03
A_52_P414368	NM_178715	Tmem30b	238257	transmembrane protein 30B	-1.50	0.55	0.20
A_52_P355276	NM_001002	Smg6	103677	Smg-6 homolog, nonsense mediated mRNA decay factor (<i>C. elegans</i>)	-1.18	0.55	0.70
A_51_P481832	NM_019519	Rabggta	56187	Rab geranylgeranyl transferase, a subunit	-1.91	0.55	0.04
A_51_P487918	NM_177158	Rinl	320435	Ras and Rab interactor-like	-1.76	0.55	0.07
A_51_P472588	NM_001015	Tyw1	100929	tRNA-gammaW synthesizing protein 1 homolog (<i>S. cerevisiae</i>)	-1.97	0.55	0.03
A_52_P422338	NM_001039	NA	NA	NA	-1.88	0.55	0.04
A_52_P496260	NM_027148	Exosc8	69639	exosome component 8	-1.65	0.55	0.11
A_52_P89267	BC026208	Gatsl2	80909	GATS protein-like 2	-2.00	0.55	0.02
A_52_P179925	NM_026180	Abcg8	67470	ATP-binding cassette, sub-family G (WHITE), member 8	-1.89	0.55	0.04
A_52_P305053	NM_177163	NA	NA	NA	-2.04	0.55	0.02
A_52_P340073	NM_010111	Efnb2	13642	ephrin B2	-1.99	0.55	0.03
A_52_P266916	NM_001025	Otud7b	229603	OTU domain containing 7B	-1.91	0.55	0.04

A_51_P256093	NM_011943	Map2k6	26399	mitogen-activated protein kinase kinase 6	-1.66	0.55	0.11
A_52_P150565	NM_138592	Usp39	28035	ubiquitin specific peptidase 39	-1.83	0.55	0.04
A_52_P674694	NM_025999	Rnf141	67150	ring finger protein 141	-1.57	0.55	0.15
A_51_P138933	NM_177741	Ppp1r3b	244416	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-1.11	0.55	0.91
A_51_P329322	NM_025512	Zfand1	66361	zinc finger, AN1-type domain 1	-1.85	0.55	0.04
A_51_P117777	NM_016658	Galt	14430	galactose-1-phosphate uridyl transferase	-1.95	0.55	0.03
A_51_P304125	NM_007854	Slc29a2	13340	solute carrier family 29 (nucleoside transporters), member 2	-2.12	0.55	0.01
A_52_P268549	NM_197981	593041611	72440	RIKEN cDNA 5930416119 gene	-1.62	0.55	0.12
A_51_P400217	NM_016982	Vpreb1	22362	pre-B lymphocyte gene 1	-1.63	0.55	0.11
A_51_P108778	NM_023131	Rce1	19671	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>) X-ray repair complementing defective repair in Chinese	-1.47	0.55	0.21
A_52_P197772	NM_020570	Xrcc2	57434	hamster cells 2	-1.96	0.55	0.03
A_52_P69109	NM_011387	Slc10a1	20493	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-1.34	0.55	0.37
A_51_P293715	NM_054071	Fgfr1	116701	fibroblast growth factor receptor-like 1	-2.10	0.55	0.01
A_51_P513611	NM_146078	Ubr2	224826	ubiquitin protein ligase E3 component n-recognin 2	-1.99	0.55	0.03
A_51_P268145	NM_019750	Nat6	56441	N-acetyltransferase 6	-1.42	0.55	0.27
A_52_P278354	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-1.13	0.55	0.86
A_52_P282279	NM_138745	Mthfd1	108156	methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase	-1.91	0.55	0.04
A_52_P123315	NM_175004	Ptrh2	217057	peptidyl-tRNA hydrolase 2	-1.57	0.55	0.15
A_51_P505689	U92949	Kifc2	16581	kinesin family member C2	-1.91	0.55	0.04
A_52_P410529	AK017332	Pstk	214580	phosphoserine-tRNA kinase	-1.63	0.55	0.11
A_51_P266847	NM_144528	Rnf126	70294	ring finger protein 126	-2.12	0.55	0.01
A_52_P647582	NM_008296	Hsf1	15499	heat shock factor 1	-1.82	0.55	0.05
A_52_P257523	XM_895981	1110065P2	68920	RIKEN cDNA 1110065P20 gene	-2.21	0.55	0.01
A_52_P239052	NM_011749	Zfp148	22661	zinc finger protein 148	-1.38	0.55	0.33
A_52_P375939	AK029391	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-1.66	0.55	0.11
A_52_P78684	AK084765	D330040H	320847	RIKEN cDNA D330040H18 gene	-1.64	0.55	0.11

				protein phosphatase 1, regulatory (inhibitor) subunit			
A_52_P110157	NM_033371	Ppp1r16a	73062	16A	-2.16	0.55	0.01
A_52_P53695	NM_010629	Kifap3	16579	kinesin-associated protein 3	-1.74	0.55	0.07
A_51_P155482	NM_011132	Pole	18973	polymerase (DNA directed), epsilon	-1.79	0.55	0.06
A_51_P182358	NM_175665	Hist1h2bk	319184	histone cluster 1, H2bk	-1.53	0.55	0.17
A_52_P97309	NM_019757	Fzr1	56371	fizzy/cell division cycle 20 related 1 (Drosophila)	-2.23	0.55	0.01
A_52_P190527	BC019948	Gpatch8	237943	G patch domain containing 8	-1.47	0.55	0.21
A_52_P91823	AK045070	B130024G1434198		RIKEN cDNA B130024G19 gene	-2.32	0.55	0.01
A_52_P472771	NM_023645	Kdelc1	72050	KDEL (Lys-Asp-Glu-Leu) containing 1	-2.05	0.55	0.02
A_52_P574668	NM_011851	Nt5e	23959	5' nucleotidase, ecto	-1.55	0.55	0.16
				growth arrest and DNA-damage-inducible, gamma			
A_52_P85020	NM_183358	Gadd45gip	102060	interacting protein 1	-1.61	0.55	0.13
A_52_P235003	NA	NA	NA	NA	-1.86	0.55	0.04
A_51_P286814	NM_011424	Ncor2	20602	nuclear receptor co-repressor 2	-1.71	0.55	0.07
A_51_P370252	NM_011796	Capn10	23830	calpain 10	-2.29	0.55	0.01
A_51_P220682	NM_026501	Fam134c	67998	family with sequence similarity 134, member C	-1.88	0.55	0.04
A_52_P95544	NM_001004	Scarf1	380713	scavenger receptor class F, member 1	-1.99	0.55	0.03
A_52_P467861	NM_001039	Prhoxnb	231903	parahox cluster neighbor	-1.85	0.55	0.04
A_51_P296925	AK052489	Palld	72333	palladin, cytoskeletal associated protein	-1.39	0.55	0.28
A_52_P326808	NM_026875	Ypel3	66090	yippee-like 3 (Drosophila)	-2.06	0.55	0.02
A_51_P312474	NM_007459	Ap2a2	11772	adaptor protein complex AP-2, alpha 2 subunit	-1.59	0.55	0.14
A_51_P163173	NM_028226	Rbm12b	72397	RNA binding motif protein 12B	-1.40	0.55	0.28
A_52_P1004509	NM_001033	BC065397	436230	cDNA sequence BC065397	-1.67	0.55	0.10
A_51_P356903	NM_009274	Srpk2	20817	serine/arginine-rich protein specific kinase 2	-1.83	0.55	0.04
A_52_P460257	NM_147201	Nrbp1	192292	nuclear receptor binding protein 1	-1.66	0.55	0.10
A_51_P403636	NM_001042	Smad7	17131	MAD homolog 7 (Drosophila)	-1.45	0.55	0.22
A_52_P221776	NM_010616	Kif12	16552	kinesin family member 12	-1.24	0.55	0.55
A_52_P390918	NM_019797	Trip4	56404	thyroid hormone receptor interactor 4	-2.04	0.55	0.02
A_52_P537566	NM_177150	Cenpt	320394	centromere protein T	-1.77	0.55	0.06
				RFad1, flavin adenine dinucleotide synthetase, homolog			
A_52_P356703	NM_177041	Flad1	319945	(yeast)	-2.28	0.55	0.01
A_52_P297803	NM_010941	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-1.75	0.55	0.07
A_51_P180724	NM_026810	Mlh1	17350	mutL homolog 1 (E. coli)	-1.23	0.55	0.58
A_51_P107243	AK079264	NA	NA	NA	-2.19	0.55	0.01

A_52_P249856	NM_172274	Cc2d2a	231214	coiled-coil and C2 domain containing 2A	-1.97	0.55	0.03
A_52_P1172895	AK082713	C230094BC	319347	RIKEN cDNA C230094B09 gene neural precursor cell expressed, developmentally down-	-1.90	0.55	0.04
A_51_P315634	NM_008682	Nedd1	17997	regulated gene 1	-1.68	0.55	0.10
A_52_P518014	NM_015782	Snrpa	53607	small nuclear ribonucleoprotein polypeptide A	-1.78	0.55	0.06
A_51_P256653	BC016110	Lmbr1	56873	limb region 1	-1.86	0.55	0.04
A_52_P40832	AK147344	Rab11fip4	268451	RAB11 family interacting protein 4 (class II)	-1.83	0.55	0.04
A_51_P155550	AK090371	C78339	97863	expressed sequence C78339	-1.82	0.55	0.05
A_52_P587831	NM_026538	Ddx56	52513	DEAD (Asp-Glu-Ala-Asp) box polypeptide 56	-1.79	0.55	0.06
A_51_P490692	NM_027658	Hexim2	71059	hexamethylene bis-acetamide inducible 2	-1.87	0.55	0.04
A_52_P242973	NM_019951	Sec11a	56529	SEC11 homolog A (<i>S. cerevisiae</i>)	-1.91	0.55	0.04
A_52_P130490	BC090402	RP23-480B	665433	similar to histone 2a	-1.86	0.55	0.04
A_51_P152155	NM_029626	Glt8d1	76485	glycosyltransferase 8 domain containing 1	-1.74	0.55	0.07
A_51_P393078	XM_144820	NA	NA	NA	-1.90	0.55	0.04
A_51_P113144	AK167690	Ap1s2	108012	adaptor-related protein complex 1, sigma 2 subunit	-2.17	0.55	0.01
A_52_P418956	NM_177858	4933431E2	329735	RIKEN cDNA 4933431E20 gene	-2.15	0.55	0.01
A_52_P515370	AK168254	Rit1	19769	Ras-like without CAAX 1	-1.98	0.55	0.03
A_51_P345867	NM_011939	Hsf4	26386	heat shock transcription factor 4	-1.98	0.55	0.03
A_51_P248444	NM_172380	Ktelc1	224143	KTEL (Lys-Tyr-Glu-Leu) containing 1	-1.71	0.55	0.09
A_51_P472726	NM_145978	Pdlim2	213019	PDZ and LIM domain 2	-1.47	0.55	0.21
A_51_P239699	AK021284	Mll5	69188	myeloid/lymphoid or mixed-lineage leukemia 5	-1.93	0.55	0.03
A_52_P33147	AK086149	Sox5	20678	SRY-box containing gene 5	-1.62	0.55	0.12
A_51_P483261	NM_145145	Pomt1	99011	protein-O-mannosyltransferase 1	-1.88	0.55	0.04
A_51_P453519	NM_023740	Zdhhc16	74168	zinc finger, DHHC domain containing 16 methenyltetrahydrofolate synthetase domain	-2.28	0.55	0.01
A_51_P511899	NM_172761	Mthfsd	234814	containing	-1.47	0.55	0.21
A_51_P438865	NM_025928	Pmf1	67037	polyamine-modulated factor 1 DNA segment, Chr 15, Wayne State University 169,	-1.91	0.55	0.04
A_52_P105151	NM_198420	D15Wsu16	223666	expressed v-erb-b2 erythroblastic leukemia viral oncogene	-1.80	0.55	0.05
A_51_P414813	NM_010153	ErbB3	13867	homolog 3 (avian)	-2.29	0.55	0.01
A_52_P475439	NM_021791	Doc2g	60425	double C2, gamma	-2.32	0.55	0.01
A_52_P474368	NA	NA	NA	NA	-1.94	0.55	0.03

A_51_P471520	NM_021537	Stk25	59041	serine/threonine kinase 25 (yeast)	-1.18	0.55	0.70
A_52_P279786	AK050869	Whsc1	107823	Wolf-Hirschhorn syndrome candidate 1 (human)	-2.00	0.55	0.02
A_51_P460710	NM_172605	Tdrd3	219249	tudor domain containing 3	-2.11	0.55	0.01
A_51_P407311	NM_145954	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-2.28	0.55	0.01
A_51_P320386	NM_001025	Pja2	224938	praja 2, RING-H2 motif containing	-1.56	0.55	0.15
A_51_P185639	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-2.31	0.55	0.01
A_51_P226142	AK131163	Fam116a	211922	family with sequence similarity 116, member A	-1.56	0.55	0.15
A_52_P193104	AK162552	Dctn4	67665	dynactin 4	-1.79	0.55	0.06
A_52_P459288	AK050350	NA	NA	NA	-1.59	0.55	0.14
A_52_P222815	AK030036	4932416HC	654409	RIKEN cDNA 4932416H05 gene	-2.13	0.55	0.01
A_51_P367780	NM_029981	Adamtsl2	77794	ADAMTS-like 2	-1.56	0.55	0.15
A_52_P1085754	BC079676	8430419L0	74525	RIKEN cDNA 8430419L09 gene	-1.75	0.55	0.07
A_52_P612165	NM_028227	Brap	72399	BRCA1 associated protein	-1.69	0.55	0.09
A_51_P448664	NM_011539	Tbxas1	21391	thromboxane A synthase 1, platelet	-2.03	0.55	0.02
A_51_P224630	NM_026854	Dtwd2	68857	DTW domain containing 2	-2.18	0.55	0.01
A_51_P446112	XM_895406	6430590AC	619719	RIKEN cDNA 6430590A07 gene	-2.02	0.55	0.02
A_51_P479733	NM_011417	Smarca4	20586	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	-2.00	0.55	0.02
A_51_P282297	NM_001033	Naa11	97243	N(alpha)-acetyltransferase 11, NatA catalytic subunit	-1.66	0.55	0.11
A_52_P652513	NM_027400	Lman1	70361	lectin, mannose-binding, 1	-1.69	0.55	0.09
A_51_P372912	NM_011319	Sars	20226	seryl-aminoacyl-tRNA synthetase	-2.03	0.55	0.02
A_51_P427934	XM_194337	Megf8	269878	multiple EGF-like-domains 8	-1.66	0.55	0.11
A_51_P207301	AK037047	NA	NA	NA	-1.55	0.55	0.16
A_52_P175748	NA	NA	NA	NA	-2.04	0.55	0.02
A_51_P148670	NM_024437	Nudt7	67528	nudix (nucleoside diphosphate linked moiety X)-type motif 7	-1.50	0.55	0.20
A_51_P495232	NM_027127	Gpx8	69590	glutathione peroxidase 8 (putative)	-1.76	0.55	0.07
A_52_P194289	AK166886	lqsec1	232227	IQ motif and Sec7 domain 1	-1.96	0.55	0.03
A_51_P328968	NM_172586	Zfp322a	218100	zinc finger protein 322A	-1.99	0.55	0.03
A_52_P503334	NM_153592	Erlin2	244373	ER lipid raft associated 2	-2.39	0.55	0.01
A_52_P699954	AK081401	NA	NA	NA	-1.86	0.55	0.04
A_52_P144363	AF127140	Fgfr4	14186	fibroblast growth factor receptor 4	-1.39	0.55	0.30

A_51_P474431	NM_023117	Cdc25b	12531	cell division cycle 25 homolog B (<i>S. pombe</i>)	-2.01	0.54	0.02
A_51_P284867	AK052031	D230038C2	328872	hypothetical protein D230038C21	-2.01	0.54	0.02
A_51_P152234	NM_019797	Trip4	56404	thyroid hormone receptor interactor 4	-1.95	0.54	0.03
A_52_P412543	NM_172502	Dcaf15	212123	DDB1 and CUL4 associated factor 15	-1.84	0.54	0.04
A_51_P452861	AK147511	1810043G0	67884	RIKEN cDNA 1810043G02 gene	-2.22	0.54	0.01
A_52_P127682	AK147384	Dagla	269060	diacylglycerol lipase, alpha UDP-GlcNAc:betaGal beta-1,3-N-	-2.04	0.54	0.02
A_51_P305320	NM_175383	B3gnt1	108902	acetylglucosaminyltransferase 1	-1.89	0.54	0.04
A_52_P233687	AK029732	Stard9	668880	START domain containing 9	-2.25	0.54	0.01
A_51_P132592	NM_029998	6030458C1	77877	RIKEN cDNA 6030458C11 gene	-2.04	0.54	0.02
A_52_P457100	AK078650	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-1.50	0.54	0.20
A_51_P454943	NM_008157	Gpr19	14760	G protein-coupled receptor 19	-1.86	0.54	0.04
A_51_P425737	NM_025935	Tbc1d7	67046	TBC1 domain family, member 7	-2.07	0.54	0.02
A_52_P609334	NM_030075	Klhdc8b	78267	kelch domain containing 8B	-1.67	0.54	0.10
A_52_P120719	NM_030554	Rab27b	80718	RAB27b, member RAS oncogene family	-1.21	0.54	0.61
A_51_P348334	NM_011144	Ppara	19013	peroxisome proliferator activated receptor alpha	-1.64	0.54	0.11
A_51_P421680	BC064456	Zfp383	73729	zinc finger protein 383	-1.23	0.54	0.58
A_51_P281806	XM_618787	NA	NA	NA	-1.71	0.54	0.07
A_52_P500077	NM_001033	Zfp551	619331	zinc fingr protein 551	-2.08	0.54	0.02
A_52_P85418	XM_132817	NA	NA	NA	-1.94	0.54	0.03
A_51_P184024	NM_025677	Tsen15	66637	tRNA splicing endonuclease 15 homolog (<i>S. cerevisiae</i>) methylthioribose-1-phosphate isomerase homolog (<i>S.</i>	-2.20	0.54	0.01
A_52_P367792	NM_026423	Mri1	67873	<i>cerevisiae</i>)	-1.74	0.54	0.07
A_52_P353363	NM_172153	Lcorl	209707	ligand dependent nuclear receptor corepressor-like	-1.44	0.54	0.22
A_52_P478289	NM_198957	C430048L1	77604	RIKEN cDNA C430048L16 gene	-1.38	0.54	0.30
A_52_P210164	AK077623	4930471M	74919	RIKEN cDNA 4930471M23 gene	-1.72	0.54	0.07
A_52_P505944	NM_026283	Samd8	67630	sterile alpha motif domain containing 8	-1.79	0.54	0.06
A_51_P155361	NM_013551	Hmbs	15288	hydroxymethylbilane synthase	-2.03	0.54	0.02
A_51_P381029	NM_008515	Lrrfip1	16978	leucine rich repeat (in FLII) interacting protein 1 dysbindin (dystrobrevin binding protein 1) domain	-1.92	0.54	0.04
A_52_P256569	NM_026797	Dbnidd2	52840	containing 2	-1.99	0.54	0.03

A_51_P389978	NM_015782	Snrpa	53607	small nuclear ribonucleoprotein polypeptide A	-2.27	0.54	0.01
A_51_P331318	NM_007537	Bcl2l2	12050	BCL2-like 2	-1.50	0.54	0.20
A_51_P468505	NM_001007	2810408M09	381406	RIKEN cDNA 2810408M09 gene	-2.00	0.54	0.02
A_51_P453088	NM_174987	1810063B05	67892	RIKEN cDNA 1810063B05 gene	-1.78	0.54	0.06
A_51_P483373	NM_145367	Txndc5	105245	thioredoxin domain containing 5	-1.31	0.54	0.40
				eukaryotic translation initiation factor 1A domain			
A_52_P278154	NM_027236	Eif1ad	69860	containing	-1.83	0.54	0.04
A_52_P325819	AK137406	Yy1	22632	YY1 transcription factor	-1.79	0.54	0.06
A_52_P270145	NM_026046	Zfp329	67230	zinc finger protein 329	-1.58	0.54	0.15
A_52_P425860	BC026481	lqsec1	232227	IQ motif and Sec7 domain 1	-1.98	0.54	0.03
A_52_P462257	NM_177251	D830014E11	1320751	RIKEN cDNA D830014E11 gene	-1.69	0.54	0.09
A_52_P965217	AI451738	NA	NA	NA	-1.63	0.54	0.12
A_52_P657759	NM_178909	Wdr92	103784	WD repeat domain 92	-1.43	0.54	0.24
A_52_P460522	XM_001000	NA	NA	NA	-1.89	0.54	0.04
A_51_P232107	NM_011822	Pigq	14755	phosphatidylinositol glycan anchor biosynthesis, class Q	-1.65	0.54	0.11
A_51_P139748	NM_009338	Acat2	110460	acetyl-Coenzyme A acetyltransferase 2	-1.97	0.54	0.03
A_51_P133198	NM_011304	Ruvbl2	20174	RuvB-like protein 2	-2.08	0.54	0.02
A_52_P542165	NM_001039	Nelf	56876	nasal embryonic LHRH factor	-2.05	0.54	0.02
A_51_P293087	NM_008606	Mmp11	17385	matrix metalloproteinase 11	-1.86	0.54	0.04
A_51_P346472	NA	NA	NA	NA	-2.28	0.54	0.01
A_52_P584415	AK010665	Cars2	71941	cysteinyl-tRNA synthetase 2 (mitochondrial)(putative)	-2.39	0.54	0.01
A_51_P507899	NM_029553	Ttc8	76260	tetratricopeptide repeat domain 8	-1.76	0.54	0.07
A_51_P432563	NM_031178	Tlr9	81897	toll-like receptor 9	-2.00	0.54	0.02
A_52_P215418	NM_027456	Armc9	78795	armadillo repeat containing 9	-2.17	0.54	0.01
A_52_P228964	NM_001077	Shprh	268281	SNF2 histone linker PHD RING helicase	-1.49	0.54	0.20
A_51_P152222	NM_025739	Rnf220	66743	ring finger protein 220	-1.81	0.54	0.05
A_52_P470030	NM_181404	Kank1	107351	KN motif and ankyrin repeat domains 1	-1.43	0.54	0.24
A_51_P152797	AK012887	2810039B1	172665	RIKEN cDNA 2810039B14 gene	-2.02	0.54	0.02
A_52_P385606	NM_021273	Ckb	12709	creatine kinase, brain	-2.25	0.54	0.01
				phosphatidic acid phosphatase type 2 domain			
A_51_P281593	AK144593	Ppapdc1b	71910	containing 1B	-1.10	0.54	0.97

				sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A	-1.79	0.54	0.06
A_51_P195066	NM_013658	Sema4a	20351				
A_51_P348183	NM_001040	Tmem141	51875	transmembrane protein 141	-2.15	0.54	0.01
A_52_P137691	NM_025701	Trappc5	66682	trafficking protein particle complex 5	-2.00	0.54	0.02
A_52_P516656	NM_197985	Adipor2	68465	adiponectin receptor 2	-1.32	0.54	0.40
A_52_P239485	NM_145505	Fam160b1	226252	family with sequence similarity 160, member B1	-2.10	0.54	0.02
A_51_P276235	NM_146251	Pnpla7	241274	patatin-like phospholipase domain containing 7	-2.19	0.54	0.01
A_51_P103209	NM_028639	Ttc7	225049	tetratricopeptide repeat domain 7	-2.00	0.54	0.02
A_51_P500996	NM_028149	Fbxl20	72194	F-box and leucine-rich repeat protein 20	-1.49	0.54	0.20
A_51_P490817	NM_145494	Me2	107029	malic enzyme 2, NAD(+)-dependent, mitochondrial TAF6 RNA polymerase II, TATA box binding protein (TBP)- associated factor	-2.10	0.54	0.01
A_51_P443053	NM_009315	Taf6	21343		-1.72	0.54	0.07
A_52_P546135	NA	NA	NA	NA	-2.03	0.54	0.02
A_51_P277116	BI738048	NA	NA	NA	-2.34	0.54	0.01
A_51_P302453	NM_172589	Lhfp12	218454	lipoma HMGIC fusion partner-like 2	-1.82	0.54	0.05
A_52_P98674	NM_009771	Btrc	12234	beta-transducin repeat containing protein	-2.01	0.54	0.02
A_51_P115940	NM_172787	L3mbt13	237339	l(3)mbt-like 3 (Drosophila)	-1.64	0.54	0.11
A_51_P216593	NM_011716	Wfs1	22393	Wolfram syndrome 1 homolog (human)	-1.45	0.54	0.22
A_51_P239286	NM_029410	Bcl2l12	75736	BCL2-like 12 (proline rich)	-1.71	0.54	0.07
A_51_P393161	AK173175	Scaper	244891	S phase cyclin A-associated protein in the ER	-1.69	0.54	0.09
A_51_P178124	NM_016882	Sart1	20227	squamous cell carcinoma antigen recognized by T-cells 1	-1.72	0.54	0.07
A_51_P130475	NM_009523	Wnt4	22417	wingless-related MMTV integration site 4	-2.43	0.54	0.00
A_51_P162773	NM_178653	Scpdp	109232	saccharopine dehydrogenase (putative)	-2.08	0.54	0.02
A_52_P476431	NM_021292	Evc	59056	Ellis van Creveld gene homolog (human)	-1.99	0.54	0.03
A_51_P219028	NM_026898	Wdr53	68980	WD repeat domain 53	-2.23	0.54	0.01
A_52_P520439	NM_018858	Pebp1	23980	phosphatidylethanolamine binding protein 1	-1.80	0.54	0.05
A_51_P470228	NM_001033	Spryd3	223918	SPRY domain containing 3	-2.04	0.54	0.02
A_52_P228031	NM_026325	Tmem179k	67706	transmembrane protein 179B GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	-2.05	0.54	0.02
A_52_P478451	NM_172719	Gcn1l1	231659		-1.91	0.54	0.04
A_51_P242687	NA	NA	NA	NA	-1.25	0.54	0.55

A_51_P434859	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	-2.60	0.54	0.00
A_51_P359411	NM_008141	Gnat2	14686	guanine nucleotide binding protein, alpha transducing 2	-1.50	0.54	0.20
A_51_P519555	NM_023120	Gnb1l	13972	guanine nucleotide binding protein (G protein), beta polypeptide 1-like	-1.66	0.54	0.11
A_52_P544410	BC010667	Ap3m1	55946	adaptor-related protein complex 3, mu 1 subunit	-1.52	0.54	0.18
A_52_P487483	NM_011822	Pigq	14755	phosphatidylinositol glycan anchor biosynthesis, class Q	-2.03	0.54	0.02
A_52_P55258	XM_981410	NA	NA	NA	-1.44	0.54	0.22
A_52_P74368	NM_173388	Slc43a2	215113	solute carrier family 43, member 2	-2.40	0.54	0.01
A_52_P638926	AK147019	Leng9	243813	leukocyte receptor cluster (LRC) member 9	-1.77	0.54	0.07
A_51_P512541	AK049709	Sdr39u1	654795	short chain dehydrogenase/reductase family 39U, member 1	-1.43	0.54	0.24
A_52_P146918	NM_011814	Fxr2	23879	fragile X mental retardation, autosomal homolog 2	-1.90	0.54	0.04
A_51_P360836	NM_178604	Txnl4a	27366	thioredoxin-like 4A	-1.95	0.54	0.03
A_51_P176625	BC026442	Zbtb8os	67106	zinc finger and BTB domain containing 8 opposite strand	-2.09	0.54	0.02
A_52_P802967	AK035497	NA	NA	NA	-1.99	0.54	0.03
A_52_P365660	NM_178725	Lrrc4c	241568	leucine rich repeat containing 4C	-1.93	0.54	0.03
A_51_P206203	NM_145379	Mrgprf	211577	MAS-related GPR, member F	-1.83	0.54	0.04
A_52_P59457	NM_018879	Tusc4	56032	tumor suppressor candidate 4	-2.30	0.54	0.01
A_51_P449795	NM_007763	Crip1	12925	cysteine-rich protein 1 (intestinal)	-1.46	0.54	0.21
A_51_P415220	NM_009517	Zmat3	22401	zinc finger matrin type 3	-2.07	0.54	0.02
A_51_P221852	NM_010744	Tmed1	17083	transmembrane emp24 domain containing 1	-1.68	0.54	0.10
A_51_P288479	NM_181328	Slc25a29	214663	solute carrier family 25 (mitochondrial carrier, palmitoylcarnitine transporter), member 29	-1.96	0.54	0.03
A_52_P538447	NM_139063	Muted	17828	muted	-1.75	0.54	0.07
A_51_P437027	NM_009870	Cdk4	12567	cyclin-dependent kinase 4	-1.66	0.54	0.11
A_52_P126266	NM_182997	Prkab2	108097	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-2.27	0.54	0.01

A_51_P239456	AK010567	Polr2e	66420	polymerase (RNA) II (DNA directed) polypeptide E	-1.10	0.54	0.91
A_51_P487360	NM_016677	Hpcal1	53602	hippocalcin-like 1	-1.71	0.54	0.07
A_51_P443314	NM_029294	Prps11l	75456	phosphoribosyl pyrophosphate synthetase 1-like 1	-1.85	0.54	0.04
A_51_P502957	NM_011505	Stxbp4	20913	syntaxin binding protein 4	-1.94	0.54	0.03
A_51_P463120	NM_025760	Ptplad2	66775	protein tyrosine phosphatase-like A domain containing 2	-1.92	0.54	0.03
A_52_P485971	NM_001001	Scap	235623	SREBF chaperone	-1.93	0.54	0.03
A_51_P279914	NM_174870	Slc26a1	231583	solute carrier family 26 (sulfate transporter), member 1	-1.12	0.54	0.86
A_51_P399477	AK143126	Dennd5b	320560	DENN/MADD domain containing 5B	-2.60	0.54	0.00
A_51_P160328	NM_007624	Cbx3	12417	chromobox homolog 3 (Drosophila HP1 gamma)	-2.24	0.54	0.01
A_51_P486906	NM_181424	Gtpbp5	52856	GTP binding protein 5	-1.56	0.54	0.15
A_52_P121703	AK172237	Gm3625	1E+08	predicted gene 3625	-2.42	0.54	0.00
A_52_P883557	NM_001033	Slc30a10	226781	solute carrier family 30, member 10	-1.21	0.54	0.61
A_52_P476421	AK145748	Gle1	74412	GLE1 RNA export mediator (yeast)	-2.15	0.54	0.01
A_52_P110999	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2	-1.86	0.54	0.04
A_51_P212420	NM_010681	Lama4	16775	laminin, alpha 4	-1.85	0.54	0.04
A_52_P435118	NM_146258	Stard13	243362	StAR-related lipid transfer (START) domain containing 13	-2.17	0.54	0.01
A_51_P318580	NM_028021	Myh14	71960	myosin, heavy polypeptide 14	-1.83	0.54	0.05
A_52_P110002	NM_025591	Fam136a	66488	family with sequence similarity 136, member A	-1.69	0.53	0.09
A_51_P490678	NM_198012	Trim68	101700	tripartite motif-containing 68	-1.99	0.53	0.03
A_52_P350581	NM_031408	Gigyf1	57330	GRB10 interacting GYF protein 1	-1.83	0.53	0.04
A_52_P674759	NM_145534	Btbd3	228662	BTB (POZ) domain containing 3	-1.91	0.53	0.04
A_52_P308863	NM_025926	Dnajb4	67035	Dnal (Hsp40) homolog, subfamily B, member 4	-2.15	0.53	0.01
A_51_P343016	NM_145830	Ehmt2	110147	euchromatic histone lysine N-methyltransferase 2	-2.30	0.53	0.01
A_51_P159792	NM_009928	Col15a1	12819	collagen, type XV, alpha 1	-1.98	0.53	0.03
A_52_P672850	NM_021280	Plcg1	18803	phospholipase C, gamma 1	-2.43	0.53	0.00
A_51_P341789	NM_027481	Sf4	70616	splicing factor 4	-1.76	0.53	0.07
A_51_P436342	NM_008268	Hoxb5	15413	homeobox B5	-2.36	0.53	0.01

A_52_P462358	NM_199009	Fam160a2	74349	family with sequence similarity 160, member A2	-2.30	0.53	0.01
A_51_P428013	AK005562	Eml2	72205	echinoderm microtubule associated protein like 2	-2.14	0.53	0.01
A_51_P248644	BC065162	Tdp1	104884	tyrosyl-DNA phosphodiesterase 1	-2.20	0.53	0.01
A_52_P297290	NM_011012	Oprl1	18389	opioid receptor-like 1	-2.07	0.53	0.02
A_51_P361220	NM_008055	Fzd4	14366	frizzled homolog 4 (Drosophila)	-1.70	0.53	0.09
A_51_P418765	NM_009266	Sephs2	20768	selenophosphate synthetase 2	-1.38	0.53	0.30
A_51_P251821	NM_008507	Sh2b3	16923	SH2B adaptor protein 3	-2.23	0.53	0.01
A_51_P331661	NM_027873	Ubiad1	71707	UbiA prenyltransferase domain containing 1	-1.33	0.53	0.40
A_52_P436364	AK129255	Chsy1	269941	chondroitin sulfate synthase 1	-1.77	0.53	0.06
A_52_P291509	BC016231	Gtf2h2	23894	general transcription factor II H, polypeptide 2	-2.22	0.53	0.01
A_52_P44949	NM_024427	Tpm1	22003	tropomyosin 1, alpha	-1.77	0.53	0.06
A_52_P76402	BC027783	Eif2c1	236511	eukaryotic translation initiation factor 2C, 1	-1.97	0.53	0.03
A_52_P834112	AK013908	3021401N2	70680	RIKEN cDNA 3021401N23 gene	-2.16	0.53	0.01
A_51_P103757	NM_026370	Myst1	67773	MYST histone acetyltransferase 1	-2.28	0.53	0.01
A_51_P182456	AK009638	Pcgf3	69587	polycomb group ring finger 3	-1.95	0.53	0.03
A_51_P137383	NM_152807	Ccdc137	67291	coiled-coil domain containing 137	-2.01	0.53	0.02
A_52_P475040	NM_026576	Etaa1	68145	Ewing's tumor-associated antigen 1	-1.60	0.53	0.14
A_52_P368881	XM_355585	Rbm33	381626	RNA binding motif protein 33	-1.50	0.53	0.20
A_52_P113350	NM_212433	Fbxo3	57443	F-box protein 3	-2.10	0.53	0.01
A_51_P498152	BC061227	Sat2	69215	spermidine/spermine N1-acetyl transferase 2	-1.71	0.53	0.07
A_52_P590235	BC057036	Vars2	68915	valyl-tRNA synthetase 2, mitochondrial (putative) protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	-1.57	0.53	0.15
A_51_P127607	NM_012024	Ppp2r5e	26932	epsilon isoform	-1.41	0.53	0.27
A_51_P416846	NM_028129	2610020HC	434234	RIKEN cDNA 2610020H08 gene	-2.06	0.53	0.02
A_51_P201609	NM_153762	Rnf26	213211	ring finger protein 26	-2.21	0.53	0.01
A_52_P78033	AK005166	Ip6k2	76500	inositol hexaphosphate kinase 2 pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA	-1.52	0.53	0.18
A_51_P299266	NM_025598	Ppdpf	66496	2700038C09 gene	-1.97	0.53	0.03
A_51_P419833	NM_177889	Zfp82	330502	zinc finger protein 82	-2.22	0.53	0.01
A_51_P405659	NM_175342	Cphx	105594	cytoplasmic polyadenylated homeobox	-1.87	0.53	0.04
A_52_P70854	NM_020507	Tob2	57259	transducer of ERBB2, 2	-1.42	0.53	0.27

A_52_P529570	NM_198654	Nsl1	381318	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)	-1.74	0.53	0.07
A_51_P120305	NM_001039	Elov1	54325	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	-2.12	0.53	0.01
A_51_P417643	NM_008259	Foxa1	15375	forkhead box A1	-1.46	0.53	0.22
A_51_P309740	NM_001033	Usp40	227334	ubiquitin specific peptidase 40	-1.64	0.53	0.11
A_52_P336585	NM_028717	Als2	74018	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	-1.92	0.53	0.04
A_51_P459679	NM_007978	F8a	14070	factor 8-associated gene A	-2.23	0.53	0.01
A_51_P512591	NM_172395	Cdc42se1	57912	CDC42 small effector 1	-1.85	0.53	0.04
A_51_P121302	NM_029431	Them4	75778	thioesterase superfamily member 4	-1.85	0.53	0.04
A_51_P365854	NM_177632	Fam43a	224093	family with sequence similarity 43, member A	-2.13	0.53	0.01
A_52_P120055	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-1.67	0.53	0.10
A_52_P630571	XM_973419	5430411K1	71423	RIKEN cDNA 5430411K18 gene	-2.04	0.53	0.02
A_51_P409194	NM_177362	Zfp771	244216	zinc finger protein 771	-1.97	0.53	0.03
A_51_P393958	NM_025995	Fbxo5	67141	F-box protein 5	-2.05	0.53	0.02
A_52_P548921	AK171849	Lrrk1	233328	leucine-rich repeat kinase 1	-1.09	0.53	0.97
A_51_P343566	NM_134189	Galnt10	171212	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10	-1.72	0.53	0.07
A_51_P245989	NM_009915	Ccr2	12772	chemokine (C-C motif) receptor 2	-2.36	0.53	0.01
A_51_P187697	NM_028984	8430406I07	74528	RIKEN cDNA 8430406I07 gene	-2.35	0.53	0.01
A_52_P582384	NM_026272	Narf	67608	nuclear prelamin A recognition factor	-1.10	0.53	0.97
A_52_P455540	NM_001013	Ric8b	237422	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	-2.07	0.53	0.02
A_52_P578732	NM_009917	Ccr5	12774	chemokine (C-C motif) receptor 5	-1.82	0.53	0.05
A_52_P458319	NM_153788	Acap1	216859	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	-2.32	0.53	0.01
A_52_P316545	AK009476	Haus5	71909	HAUS augmin-like complex, subunit 5	-2.14	0.53	0.01
A_51_P486068	NM_177475	Zfp280b	64453	zinc finger protein 280B	-2.03	0.53	0.02
A_52_P306387	NM_178709	Rnf214	235315	ring finger protein 214	-1.63	0.53	0.12
A_51_P346380	AK011616	2610029K1	69250	RIKEN cDNA 2610029K11 gene	-1.83	0.53	0.05
A_52_P278192	NM_011232	Rad1	19355	RAD1 homolog (S. pombe)	-1.54	0.53	0.16
A_51_P503751	NM_023503	Ing2	69260	inhibitor of growth family, member 2	-1.86	0.53	0.04

A_51_P394946	NM_024438	Dusp19	68082	dual specificity phosphatase 19	-1.95	0.53	0.03
A_51_P498004	NM_010301	Gna11	14672	guanine nucleotide binding protein, alpha 11	-2.06	0.53	0.02
A_51_P211403	NM_008101	Gcgr	14527	glucagon receptor	-1.97	0.53	0.03
A_51_P391466	NM_019410	Pfn2	18645	profilin 2	-1.80	0.53	0.05
A_52_P5652	NM_019748	Sae1	56459	SUMO1 activating enzyme subunit 1	-1.64	0.53	0.11
A_51_P322265	NM_027817	Grap	71520	GRB2-related adaptor protein	-1.49	0.53	0.20
A_52_P480709	NM_009642	Agtrap	11610	angiotensin II, type I receptor-associated protein	-1.85	0.53	0.04
A_51_P286321	NM_026760	2310036O2	68544	RIKEN cDNA 2310036O22 gene	-2.28	0.53	0.01
A_51_P322574	NM_178576	Cpsf4	54188	cleavage and polyadenylation specific factor 4	-1.92	0.53	0.04
A_51_P251367	NM_181344	C1rl	232371	complement component 1, r subcomponent-like	-1.87	0.53	0.04
A_52_P458742	NM_053084	Trim32	69807	tripartite motif-containing 32	-1.88	0.53	0.04
A_51_P455597	NM_133767	Mtif2	76784	mitochondrial translational initiation factor 2	-1.78	0.53	0.06
A_51_P388298	NM_025962	Mmachc	67096	methylmalonic aciduria cblC type, with homocystinuria	-2.03	0.53	0.02
A_52_P13337	NA	NA	NA	NA	-1.68	0.53	0.09
A_51_P323450	NM_020006	Cdc42ep4	56699	CDC42 effector protein (Rho GTPase binding) 4	-1.91	0.53	0.04
A_51_P216742	NM_021493	Arhgap23	58996	Rho GTPase activating protein 23	-1.79	0.53	0.06
A_52_P513034	NM_172974	Cops7b	26895	COP9 (constitutive photomorphogenic) homolog, subunit 7b (Arabidopsis thaliana)	-1.52	0.53	0.18
A_51_P401527	NM_183263	Rnmtl1	67390	RNA methyltransferase like 1	-1.64	0.53	0.11
A_52_P615138	NM_025558	Cyb5b	66427	cytochrome b5 type B	-2.19	0.53	0.01
A_51_P355413	NM_022656	Nisch	64652	nischarin	-1.88	0.53	0.04
A_51_P319551	AK149180	Kif3a	16568	kinesin family member 3A	-2.02	0.53	0.02
A_52_P122696	NM_019722	Arl2	56327	ADP-ribosylation factor-like 2	-2.52	0.53	0.00
A_52_P145975	AK140743	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	-2.49	0.53	0.00
A_51_P111245	NM_172262	Kdm1b	218214	lysine (K)-specific demethylase 1B	-2.32	0.53	0.01
A_51_P491011	NM_001033	Pgap3	320655	post-GPI attachment to proteins 3	-2.08	0.53	0.02
A_51_P509760	NM_016860	Actr1a	54130	ARP1 actin-related protein 1 homolog A, centractin alpha (yeast)	-2.41	0.53	0.00
A_51_P399652	NM_029939	Ccdc151	77609	coiled-coil domain containing 151	-1.79	0.53	0.06
A_51_P199012	NM_018791	Zfp108	54678	zinc finger protein 108	-1.46	0.53	0.21
A_51_P461748	NM_028207	Dusp3	72349	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related)	-1.95	0.53	0.03
A_52_P306831	NM_001002	Pram1	378460	PML-RAR alpha-regulated adaptor molecule 1	-1.49	0.53	0.20

A_52_P388836	NM_033354	Sec16b	89867	SEC16 homolog B (<i>S. cerevisiae</i>)	-1.18	0.53	0.70
A_52_P419879	NA	NA	NA	NA	-2.14	0.53	0.01
A_51_P265406	NM_053194	Ric8	101489	resistance to inhibitors of cholinesterase 8 homolog (<i>C. elegans</i>)	-2.17	0.53	0.01
A_51_P392546	NM_146159	Haus3	231123	HAUS augmin-like complex, subunit 3	-2.08	0.53	0.02
A_52_P497595	AK131842	Gm5081	328099	predicted gene 5081	-1.99	0.53	0.03
A_52_P430274	BC053401	Heatr2	433956	HEAT repeat containing 2	-1.65	0.53	0.11
A_52_P197666	NM_021521	Med12	59024	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	-2.13	0.53	0.01
A_52_P431894	NM_016670	Pknox1	18771	Pbx/knotted 1 homeobox	-1.88	0.53	0.04
A_51_P134972	NM_138676	Shkbp1	192192	Sh3kbp1 binding protein 1	-2.38	0.53	0.01
A_51_P296158	NM_001002	AI413582	106672	expressed sequence AI413582	-2.04	0.53	0.02
A_52_P354298	NM_007459	Ap2a2	11772	adaptor protein complex AP-2, alpha 2 subunit	-1.70	0.53	0.09
A_52_P163939	NM_001033	Cln6	76524	ceroid-lipofuscinosis, neuronal 6	-2.33	0.53	0.01
A_52_P315369	NM_028057	Cyb5r1	72017	cytochrome b5 reductase 1	-2.22	0.53	0.01
A_51_P466964	NM_025954	Pgp	67078	phosphoglycolate phosphatase	-1.95	0.53	0.03
A_52_P41894	NM_007712	Clk2	12748	CDC-like kinase 2	-2.24	0.53	0.01
A_52_P451775	NM_026580	Otub2	68149	OTU domain, ubiquitin aldehyde binding 2	-1.87	0.53	0.04
A_51_P179907	NM_145220	Appl2	216190	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	-1.74	0.53	0.07
A_52_P627863	NM_023672	Ssbp3	72475	single-stranded DNA binding protein 3	-1.57	0.53	0.15
A_52_P627068	NM_170593	Disp2	214240	dispatched homolog 2 (<i>Drosophila</i>)	-1.54	0.53	0.16
A_51_P157033	NM_178692	C130074G1226777		RIKEN cDNA C130074G19 gene	-1.54	0.53	0.16
A_52_P531829	NM_026936	Oxa1l	69089	oxidase assembly 1-like	-1.84	0.53	0.04
A_52_P282741	NM_011520	Sdc3	20970	syndecan 3	-2.18	0.53	0.01
A_51_P505696	NM_008916	Inpp5k	19062	inositol polyphosphate 5-phosphatase K	-1.75	0.53	0.07
A_51_P491835	AK013507	2900009J2	72876	RIKEN cDNA 2900009J20 gene	-2.07	0.53	0.02
A_51_P387764	X70100	Fabp5	16592	fatty acid binding protein 5, epidermal	-1.32	0.53	0.40
A_51_P237553	NM_009652	Akt1	11651	thymoma viral proto-oncogene 1	-2.14	0.53	0.01
A_52_P618187	NM_001013	Mrs2	380836	MRS2 magnesium homeostasis factor homolog (<i>S. cerevisiae</i>)	-1.79	0.53	0.06
A_51_P295237	NM_172784	Lrp11	237253	low density lipoprotein receptor-related protein 11	-1.81	0.53	0.05
A_52_P98387	NM_007438	Aldoa	11674	aldolase A, fructose-bisphosphate	-2.46	0.53	0.00

A_51_P276943	NM_016696	Gpc1	14733	glypican 1	-1.70	0.53	0.09
A_52_P264026	NM_178116	Camta2	216874	calmodulin binding transcription activator 2	-1.93	0.53	0.03
A_51_P418469	NM_023595	Dut	110074	deoxyuridine triphosphatase	-2.34	0.53	0.01
A_51_P193863	NM_172977	Gtf3c4	269252	general transcription factor IIIC, polypeptide 4	-2.44	0.53	0.00
A_52_P366932	NM_010301	Gna11	14672	guanine nucleotide binding protein, alpha 11	-2.27	0.53	0.01
A_51_P168133	NM_022026	Aqp9	64008	aquaporin 9	-1.12	0.53	0.86
A_52_P590416	NM_028601	Zmiz2	52915	zinc finger, MIZ-type containing 2	-2.12	0.53	0.01
A_51_P249127	NM_013630	Pkd1	18763	polycystic kidney disease 1 homolog	-2.39	0.53	0.01
A_51_P212679	XM_901651	NA	NA	NA	-1.81	0.53	0.05
A_52_P1163666	AK032850	6720462K0	399579	RIKEN cDNA 6720462K09 gene	-2.20	0.53	0.01
A_51_P296528	NM_026058	Lass4	67260	LAG1 homolog, ceramide synthase 4	-1.91	0.53	0.04
A_51_P124550	NM_139292	Reep6	70335	receptor accessory protein 6	-1.43	0.53	0.24
A_51_P377390	NM_010811	Ndst2	17423	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2	-1.99	0.53	0.03
A_51_P264956	NM_008441	Kif1b	16561	kinesin family member 1B	-1.95	0.53	0.03
A_51_P183803	NM_009174	Siah2	20439	seven in absentia 2	-1.38	0.53	0.30
A_52_P668393	AK028994	Cyhr1	54151	cysteine and histidine rich 1	-2.25	0.53	0.01
A_51_P249250	AK015468	Ubxn1	225896	UBX domain protein 1	-1.99	0.53	0.03
A_52_P424272	NM_029645	Gatc	384281	glutamyl-tRNA(Gln) amidotransferase, subunit C homolog (bacterial)	-1.60	0.53	0.13
A_51_P211171	NA	NA	NA	NA	-1.81	0.53	0.05
A_51_P113106	NM_007888	Dvl2	13543	dishevelled 2, dsh homolog (Drosophila)	-2.09	0.53	0.02
A_52_P397012	NM_033074	Tars	110960	threonyl-tRNA synthetase	-1.66	0.53	0.11
A_51_P133138	Y09632	Kif20a	19348	kinesin family member 20A	-1.55	0.53	0.16
A_51_P210300	XM_150151	2310047B1	66962	RIKEN cDNA 2310047B19 gene	-1.96	0.53	0.03
A_52_P621064	NA	NA	NA	NA	-2.24	0.53	0.01
A_51_P135012	NM_027897	Rhpn2	52428	rhophilin, Rho GTPase binding protein 2	-1.96	0.53	0.03
A_51_P292550	AK052715	Chdh	218865	choline dehydrogenase	-1.55	0.53	0.16
A_51_P164939	NM_144916	Tmem150a	232086	transmembrane protein 150A	-1.84	0.53	0.04
A_52_P244723	NM_173038	Tbcel	272589	tubulin folding cofactor E-like	-1.92	0.53	0.04
A_52_P289685	NM_028358	Ssbp1	381760	single-stranded DNA binding protein 1	-1.92	0.53	0.04
A_51_P386911	NM_027346	Taco1	70207	translational activator of mitochondrially encoded cytochrome c oxidase I	-2.22	0.52	0.01
A_52_P77793	NM_015818	Hs6st1	50785	heparan sulfate 6-O-sulfotransferase 1	-1.96	0.52	0.03

A_52_P612079	NM_145984	Prepl	213760	prolyl endopeptidase-like	-2.04	0.52	0.02
A_51_P353947	NM_010549	Il11ra1	16157	interleukin 11 receptor, alpha chain 1	-2.11	0.52	0.01
A_51_P401176	NM_175515	Intu	380614	inturned planar cell polarity effector homolog (Drosophila)	-1.96	0.52	0.03
A_51_P435027	NM_025708	Tmem186	66690	transmembrane protein 186	-2.36	0.52	0.01
A_51_P406365	NM_026859	Maf1	68877	MAF1 homolog (S. cerevisiae)	-2.43	0.52	0.00
A_51_P406020	NM_134076	Abhd4	105501	abhydrolase domain containing 4	-2.38	0.52	0.01
A_52_P670070	S76748	Vhl	22346	von Hippel-Lindau syndrome	-1.81	0.52	0.05
A_51_P175354	AK033366	8430406M	399592	RIKEN cDNA 8430406M14 gene	-1.40	0.52	0.28
A_51_P407879	NM_145382	Fam193b	212483	family with sequence similarity 193, member B	-1.96	0.52	0.03
A_51_P423509	NM_027980	2310003HC	71885	RIKEN cDNA 2310003H01 gene	-1.94	0.52	0.03
A_51_P394715	NM_029295	Cklf	75458	chemokine-like factor	-1.65	0.52	0.11
A_51_P203321	NM_145627	Rbm10	236732	RNA binding motif protein 10	-1.84	0.52	0.04
A_51_P446003	NM_013764	Dguok	27369	deoxyguanosine kinase	-1.91	0.52	0.04
A_52_P331997	NM_183208	Zmiz1	328365	zinc finger, MIZ-type containing 1	-1.62	0.52	0.12
A_52_P78514	AK054415	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide	-2.20	0.52	0.01
A_51_P365885	NM_001037	Csf1r	12978	colony stimulating factor 1 receptor	-1.92	0.52	0.04
A_51_P167754	NM_011492	Stk11	20869	serine/threonine kinase 11	-2.12	0.52	0.01
A_51_P350214	NM_025275	Amz2	13929	archaelysin family metallopeptidase 2	-2.35	0.52	0.01
A_51_P203192	NM_010774	Mbd4	17193	methyl-CpG binding domain protein 4	-2.02	0.52	0.02
A_51_P460067	NM_178709	Rnf214	235315	ring finger protein 214	-1.79	0.52	0.06
A_51_P357664	NM_008284	Hras1	15461	Harvey rat sarcoma virus oncogene 1	-1.98	0.52	0.03
A_51_P464669	NM_009108	Nr1h4	20186	nuclear receptor subfamily 1, group H, member 4	-1.80	0.52	0.06
A_51_P419300	NM_026549	Pdcd2l	68079	programmed cell death 2-like	-2.36	0.52	0.01
A_51_P377833	NM_133978	Cmtm7	102545	CKLF-like MARVEL transmembrane domain containing 7	-2.26	0.52	0.01
A_51_P168092	NM_024205	Jkamp	104771	JNK1/MAPK8-associated membrane protein	-2.14	0.52	0.01
A_51_P475875	NM_027891	Lrwd1	71735	leucine-rich repeats and WD repeat domain containing 1	-2.07	0.52	0.02
A_52_P213400	NM_027883	Dhx34	71723	DEAH (Asp-Glu-Ala-His) box polypeptide 34	-2.71	0.52	0.00
A_52_P223618	NM_026555	Rcn3	52377	reticulocalbin 3, EF-hand calcium binding domain	-2.15	0.52	0.01
A_52_P134924	NM_027149	Wdr20a	69641	WD repeat domain 20A	-2.16	0.52	0.01
A_52_P657376	NM_197996	Tspan15	70423	tetraspanin 15	-1.72	0.52	0.07

A_52_P443167	NM_030153	Naa35	78689	N(alpha)-acetyltransferase 35, NatC auxiliary subunit	-2.24	0.52	0.01
A_51_P377667	XM_887283	NA	NA	NA	-1.89	0.52	0.04
A_51_P467971	NM_146005	Ank3	11735	ankyrin 3, epithelial	-1.55	0.52	0.16
A_52_P550185	NM_026615	Urm1	68205	ubiquitin related modifier 1 homolog (S. cerevisiae)	-2.03	0.52	0.02
A_51_P267653	NM_153157	Olfm3	229759	olfactomedin 3	-1.98	0.52	0.03
A_52_P37091	NA	NA	NA	NA	-1.98	0.52	0.03
A_52_P308465	NM_172775	Plxnb1	235611	plexin B1	-1.65	0.52	0.11
A_51_P251438	AK046843	9130004C0	626123	RIKEN cDNA 9130004C02 gene dolichyl-phosphate (UDP-N-acetylglucosamine) acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)	-1.91	0.52	0.04
A_51_P422208	NM_007875	Dpagt1	13478	transferase)	-2.07	0.52	0.02
A_52_P213402	NM_027883	Dhx34	71723	DEAH (Asp-Glu-Ala-His) box polypeptide 34	-2.25	0.52	0.01
A_52_P661503	AK170208	Depdc6	97998	DEP domain containing 6	-1.43	0.52	0.24
A_52_P558368	NM_175160	Zdhhc1	70796	zinc finger, DHHC domain containing 1	-2.12	0.52	0.01
A_51_P471288	AK021184	Adam10	11487	a disintegrin and metallopeptidase domain 10	-1.96	0.52	0.03
A_51_P232901	NM_009923	Cnp	12799	2',3'-cyclic nucleotide 3' phosphodiesterase	-1.69	0.52	0.09
A_52_P287328	NM_133972	Armc6	76813	armadillo repeat containing 6	-2.38	0.52	0.01
A_52_P569549	NM_176953	Lig4	319583	ligase IV, DNA, ATP-dependent	-1.70	0.52	0.09
A_52_P186785	BG079886	NA	NA	NA	-1.29	0.52	0.46
A_51_P253697	NM_027186	Rpain	69723	RPA interacting protein	-2.21	0.52	0.01
A_51_P174275	NM_027866	Colec11	71693	collectin sub-family member 11	-1.87	0.52	0.04
A_51_P243930	BC070459	Qrs1	76563	glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1	-2.40	0.52	0.01
A_52_P122830	NM_021395	Hyou1	12282	hypoxia up-regulated 1	-1.19	0.52	0.67
A_52_P180565	BC100355	231006110	69662	RIKEN cDNA 2310061104 gene	-1.81	0.52	0.05
A_52_P860150	AK086814	NA	NA	NA	-1.85	0.52	0.04
A_51_P322000	XM_130308	NA	NA	NA	-1.81	0.52	0.05
A_52_P568805	NM_146093	Ubxn1	225896	UBX domain protein 1	-1.98	0.52	0.03
A_51_P207718	AK164548	Zfp826	414758	zinc finger protein 826	-1.90	0.52	0.04
A_52_P325388	AK080904	Ttc39c	72747	tetratricopeptide repeat domain 39C	-1.61	0.52	0.13
A_51_P213691	NM_011324	Scnn1a	20276	sodium channel, nonvoltage-gated 1 alpha	-2.10	0.52	0.01
A_52_P357133	NM_053267	Selm	114679	selenoprotein M	-1.86	0.52	0.04

A_51_P195240	NM_181649	Ccdc75	53951	coiled-coil domain containing 75	-1.81	0.52	0.05
A_51_P252545	NM_026447	Ppm1m	67905	protein phosphatase 1M	-2.02	0.52	0.02
A_52_P671525	NM_175446	Zmat1	215693	zinc finger, matrin type 1	-1.89	0.52	0.04
A_52_P56768	NM_019551	Ttrap	56196	TRAF and TNF receptor associated protein	-2.25	0.52	0.01
A_52_P891818	AK047526	NA	NA	NA	-1.58	0.52	0.15
A_51_P500869	NA	NA	NA	NA	-1.44	0.52	0.24
A_51_P460048	NM_029861	Cnrip1	380686	cannabinoid receptor interacting protein 1	-2.06	0.52	0.02
A_51_P304819	NA	NA	NA	NA	-2.52	0.52	0.00
A_51_P297963	NM_023042	Recql	19691	RecQ protein-like	-2.16	0.52	0.01
A_51_P469789	NM_016702	Agxt	11611	alanine-glyoxylate aminotransferase	-1.92	0.52	0.04
A_51_P342813	NM_027883	Dhx34	71723	DEAH (Asp-Glu-Ala-His) box polypeptide 34	-2.09	0.52	0.02
A_51_P486512	NM_134093	Letmd1	68614	LETM1 domain containing 1	-1.79	0.52	0.06
A_51_P125563	NM_172719	Gcn1l1	231659	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	-2.05	0.52	0.02
A_51_P417279	AK002600	0610012G03	106264	RIKEN cDNA 0610012G03 gene	-2.15	0.52	0.01
A_52_P339054	NM_008672	Nap1l4	17955	nucleosome assembly protein 1-like 4	-2.46	0.52	0.00
A_51_P169176	NM_007713	Clk3	102414	CDC-like kinase 3	-2.00	0.52	0.03
A_52_P644072	AK014591	Fam160a2	74349	family with sequence similarity 160, member A2	-1.78	0.52	0.06
A_52_P277641	NM_010825	Meis2	17536	Meis homeobox 2	-1.78	0.52	0.06
A_52_P467438	AK054364	Cd99l2	171486	CD99 antigen-like 2	-1.80	0.52	0.05
A_52_P357039	NM_199305	Tmem39b	230770	transmembrane protein 39b	-2.03	0.52	0.02
A_51_P456187	NM_008799	Pdcd2	18567	programmed cell death 2	-1.54	0.52	0.16
A_52_P555688	NM_178811	Ttc15	217449	tetratricopeptide repeat domain 15	-1.90	0.52	0.04
A_51_P454638	NM_134073	Kctd9	105440	potassium channel tetramerisation domain containing 9	-2.13	0.52	0.01
A_51_P202074	NM_146171	Ncapd2	68298	non-SMC condensin I complex, subunit D2	-2.37	0.52	0.01
A_52_P107542	BC024804	Ccdc64	75665	coiled-coil domain containing 64	-2.61	0.52	0.00
A_51_P405766	NM_023136	Dtymk	21915	deoxythymidylate kinase	-1.48	0.52	0.20
A_51_P331328	NM_026730	Gpihbp1	68453	GPI-anchored HDL-binding protein 1	-1.84	0.52	0.04
A_52_P671465	AK051363	Caprin1	53872	cell cycle associated protein 1	-1.83	0.52	0.05
A_52_P678969	NM_145940	Wipi1	52639	WD repeat domain, phosphoinositide interacting 1	-1.42	0.52	0.24
A_51_P315795	NM_009451	Tubb4	22153	tubulin, beta 4	-2.39	0.52	0.01
A_51_P408749	AK169756	4933439C1	174476	RIKEN cDNA 4933439C10 gene	-2.42	0.52	0.00

A_52_P147733	AK031634	4930431P1	73886	RIKEN cDNA 4930431P19 gene	-2.12	0.52	0.01
A_51_P250123	NM_028543	Zfp763	73451	zinc finger protein 763	-2.09	0.52	0.02
A_51_P497006	NM_053188	Srd5a2	94224	steroid 5 alpha-reductase 2	-1.22	0.52	0.58
A_52_P362111	NM_138587	Fam3c	27999	family with sequence similarity 3, member C	-1.22	0.52	0.58
A_52_P140356	NM_007590	Calm3	12315	calmodulin 3	-1.97	0.52	0.03
A_52_P73369	BC018353	Hnrnpu	51810	heterogeneous nuclear ribonucleoprotein U	-2.10	0.52	0.01
A_51_P208537	XM_902328	NA	NA	NA	-1.79	0.52	0.06
A_51_P386344	NM_172742	Mtmr10	233315	myotubularin related protein 10	-1.32	0.52	0.40
A_51_P499816	NM_026701	Pbld	68371	phenazine biosynthesis-like protein domain containing	-1.55	0.52	0.16
A_52_P184525	AK046516	Gm10336	328186	predicted gene 10336	-2.58	0.52	0.00
A_52_P598605	AK147626	Ptch1	19206	patched homolog 1	-2.07	0.52	0.02
A_51_P470751	NM_033354	Sec16b	89867	SEC16 homolog B (S. cerevisiae)	-1.53	0.52	0.17
A_51_P286378	AK004276	9430020K0	240185	RIKEN cDNA 9430020K01 gene	-2.16	0.52	0.01
A_51_P262196	NM_011069	Pex11b	18632	peroxisomal biogenesis factor 11 beta	-2.24	0.52	0.01
A_51_P448091	NM_177888	Zfp78	330463	zinc finger protein 78	-1.95	0.52	0.03
A_52_P464437	NM_013735	Trp53bp1	27223	transformation related protein 53 binding protein 1	-1.88	0.52	0.04
A_52_P175263	AK083867	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin) COX11 homolog, cytochrome c oxidase assembly	-2.33	0.52	0.01
A_51_P214319	NM_199008	Cox11	69802	protein (yeast)	-2.17	0.52	0.01
A_52_P387882	NM_001004	Fbll1	237730	fibrillar-like 1	-1.98	0.52	0.03
A_51_P372702	NM_010551	Il16	16170	interleukin 16	-2.07	0.52	0.02
A_51_P407304	AK169346	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-2.30	0.52	0.01
A_52_P1053544	NA	NA	NA	NA	-1.71	0.52	0.07
A_52_P152631	NM_153596	Tmem17	103765	transmembrane protein 17	-2.39	0.52	0.01
A_52_P484434	NM_001037	Zfp27	22689	zinc finger protein 27	-1.21	0.52	0.61
A_52_P286488	NM_177688	H2afj	232440	H2A histone family, member J nudix (nucleoside diphosphate linked moiety X)-type	-2.07	0.52	0.02
A_51_P435506	NM_008637	Nudt1	17766	motif 1	-1.76	0.52	0.07
A_52_P496870	NM_025521	2310011J0	66374	RIKEN cDNA 2310011J03 gene	-2.01	0.52	0.02
A_51_P428035	NM_010893	Neu1	18010	neuraminidase 1	-2.37	0.52	0.01
A_51_P106144	NM_009564	Zfp64	22722	zinc finger protein 64	-2.10	0.52	0.02

				nucleus accumbens associated 2, BEN and BTB (POZ)			
A_51_P299357	NM_001037	Nacc2	67991	domain containing	-2.33	0.52	0.01
A_51_P206037	NM_008817	Peg3	18616	paternally expressed 3	-1.73	0.52	0.07
A_51_P253359	NM_025670	5730403B1	66626	RIKEN cDNA 5730403B10 gene	-1.62	0.52	0.12
A_52_P101939	NM_001037	1110034B0	68736	RIKEN cDNA 1110034B05 gene	-1.48	0.52	0.20
A_51_P118246	NM_028672	Fam161a	73873	family with sequence similarity 161, member A	-1.93	0.52	0.03
A_52_P374556	NM_144556	Lgi4	243914	leucine-rich repeat LGI family, member 4	-2.10	0.52	0.01
A_51_P285097	NM_029687	Wdr38	76646	WD repeat domain 38	-2.28	0.52	0.01
A_51_P109742	NM_028347	Neil1	72774	nei endonuclease VIII-like 1 (E. coli)	-2.23	0.52	0.01
A_51_P376057	AK081004	Bcor1	320376	BCL6 co-repressor-like 1	-2.53	0.52	0.00
A_51_P244061	NM_183316	Snapc5	330959	small nuclear RNA activating complex, polypeptide 5	-1.71	0.52	0.07
A_52_P337427	NM_027829	9030607L1	71564	RIKEN cDNA 9030607L17 gene	-2.32	0.52	0.01
A_52_P417694	NM_027078	Ikbip	67454	IKBKB interacting protein	-1.91	0.52	0.04
A_52_P141123	NM_008853	Pja1	18744	praja1, RING-H2 motif containing	-1.40	0.52	0.28
A_51_P411645	NM_021500	Maea	59003	macrophage erythroblast attacher	-2.34	0.52	0.01
A_52_P332917	NM_178613	4933433P1	66787	RIKEN cDNA 4933433P14 gene	-1.82	0.51	0.05
A_51_P299155	NM_133937	6720456B0	101314	RIKEN cDNA 6720456B07 gene	-2.25	0.51	0.01
A_52_P333921	BC053718	Fcho2	218503	FCH domain only 2	-1.99	0.51	0.03
A_52_P314571	NM_026522	Chid1	68038	chitinase domain containing 1	-2.36	0.51	0.01
A_51_P141949	NM_023057	B230120H2	65964	RIKEN cDNA B230120H23 gene	-1.95	0.51	0.03
A_51_P261184	NM_172403	2810021J2	69944	RIKEN cDNA 2810021J22 gene	-2.16	0.51	0.01
A_52_P215263	AK047938	C130022M	320803	RIKEN cDNA C130022M03 gene	-2.12	0.51	0.01
A_51_P216965	NM_010221	Fkbp10	14230	FK506 binding protein 10	-1.96	0.51	0.03
A_52_P544560	XM_991082	NA	NA	NA	-1.87	0.51	0.04
A_52_P1149257	AK039958	Gm14207	1E+08	predicted gene 14207	-2.31	0.51	0.01
A_52_P1044027	AK038195	NA	NA	NA	-1.45	0.51	0.22
A_51_P142046	NM_025560	1810049H1	66431	RIKEN cDNA 1810049H13 gene	-1.90	0.51	0.04
A_51_P363556	NM_198127	Abi2	329165	abl-interactor 2	-2.58	0.51	0.00
A_52_P222096	NM_028888	4931428F0	74356	RIKEN cDNA 4931428F04 gene	-2.80	0.51	0.00
A_52_P663789	AB093210	Rcor1	217864	REST corepressor 1	-1.92	0.51	0.03
A_51_P128595	AK085036	Mtx3	382793	metaxin 3	-2.03	0.51	0.02
A_52_P619903	NM_026798	Tmem216	68642	transmembrane protein 216	-2.16	0.51	0.01
A_51_P253537	NM_017406	Atf6b	12915	activating transcription factor 6 beta	-2.01	0.51	0.02

				cell death-inducing DNA fragmentation factor, alpha			
A_52_P512365	NM_009894	Cideb	12684	subunit-like effector B	-1.49	0.51	0.20
A_51_P507172	NM_175107	2310022A166367		RIKEN cDNA 2310022A10 gene	-2.07	0.51	0.02
A_52_P139399	NM_146171	Ncapd2	68298	non-SMC condensin I complex, subunit D2	-1.98	0.51	0.03
A_51_P394244	XM_484075	NA	NA	NA	-2.22	0.51	0.01
A_51_P282883	NM_009003	Rab4a	19341	RAB4A, member RAS oncogene family	-1.66	0.51	0.11
A_52_P559706	AK148729	Znhit6	229937	zinc finger, HIT type 6	-2.24	0.51	0.01
A_51_P401673	NM_053072	Fgd6	13998	FYVE, RhoGEF and PH domain containing 6	-1.84	0.51	0.04
A_52_P941407	AV094648	NA	NA	NA	-1.51	0.51	0.20
A_52_P297741	NM_053103	Entpd7	93685	ectonucleoside triphosphate diphosphohydrolase 7	-1.72	0.51	0.07
A_51_P464029	NM_021890	Fads3	60527	fatty acid desaturase 3	-1.83	0.51	0.04
A_51_P334979	NM_009695	Apoc2	11813	apolipoprotein C-II	-1.79	0.51	0.06
A_51_P179082	NM_011624	Top3b	21976	topoisomerase (DNA) III beta	-2.15	0.51	0.01
A_52_P460050	NA	NA	NA	NA	-2.35	0.51	0.01
A_52_P58524	NM_010893	Neu1	18010	neuraminidase 1	-2.45	0.51	0.00
A_51_P441914	NM_008290	Hsd17b2	15486	hydroxysteroid (17-beta) dehydrogenase 2	-1.84	0.51	0.04
				potassium intermediate/small conductance calcium-			
A_51_P296549	NM_032397	Kcnn1	84036	activated channel, subfamily N, member 1	-2.34	0.51	0.01
A_51_P323435	NM_022011	Gtf2h2	23894	general transcription factor II H, polypeptide 2	-1.82	0.51	0.05
A_52_P185136	AK017475	Ddo	70503	D-aspartate oxidase	-2.20	0.51	0.01
A_52_P96748	AK011097	Ttc30b	72421	tetratricopeptide repeat domain 30B	-1.84	0.51	0.04
A_52_P220163	NA	NA	NA	NA	-1.62	0.51	0.13
A_51_P263377	NM_177588	Thnsl1	208967	threonine synthase-like 1 (bacterial)	-1.88	0.51	0.04
A_52_P430169	AK147562	Dip2b	239667	DIP2 disco-interacting protein 2 homolog B (Drosophila)	-2.74	0.51	0.00
A_51_P135832	NM_146054	Fermt2	218952	fermitin family homolog 2 (Drosophila)	-2.14	0.51	0.01
A_51_P138348	NM_007454	Ap1b1	11764	adaptor protein complex AP-1, beta 1 subunit	-1.59	0.51	0.14
A_51_P464738	NM_011400	Slc2a1	20525	solute carrier family 2 (facilitated glucose transporter), member 1	-1.83	0.51	0.05
A_52_P1013551	NM_010941	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-1.66	0.51	0.11
A_52_P35534	XM_287711	E230029C0319711		RIKEN cDNA E230029C05 gene	-1.25	0.51	0.53
A_52_P51198	NM_028756	Slc35a5	74102	solute carrier family 35, member A5	-1.43	0.51	0.24

A_52_P426554	NM_010722	Lmnb2	16907	lamin B2	-1.99	0.51	0.03
A_52_P37593	NM_015828	Gne	50798	glucosamine	-2.03	0.51	0.02
A_51_P427476	NM_024263	Mxra8	74761	matrix-remodelling associated 8	-2.14	0.51	0.01
A_52_P59931	NM_009547	Zfp161	22666	zinc finger protein 161	-2.59	0.51	0.00
A_52_P207289	NM_178080	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin)	-1.94	0.51	0.03
A_52_P464062	NM_027382	Hdac8	70315	histone deacetylase 8	-2.21	0.51	0.01
A_52_P465171	AK014060	Spag9	70834	sperm associated antigen 9	-1.58	0.51	0.15
A_51_P180140	NM_175663	Hist1h2ba	319177	histone cluster 1, H2ba	-1.59	0.51	0.14
A_51_P340668	NM_030256	Bcl9l	80288	B-cell CLL/lymphoma 9-like Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans)	-1.69	0.51	0.09
A_52_P142883	NM_001002	Smg6	103677	(C. elegans)	-1.92	0.51	0.04
A_51_P165683	NM_172746	Hirip3	233876	HIRA interacting protein 3	-2.27	0.51	0.01
A_51_P330125	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (S. cerevisiae)	-1.88	0.51	0.04
A_51_P384402	NM_019454	Dll4	54485	delta-like 4 (Drosophila)	-2.38	0.51	0.01
A_51_P124008	AK009476	Haus5	71909	HAUS augmin-like complex, subunit 5	-2.59	0.51	0.00
A_51_P400107	NM_011046	Furin	18550	furin (paired basic amino acid cleaving enzyme)	-2.36	0.51	0.01
A_51_P210340	AK011997	2610306M01	67170	RIKEN cDNA 2610306M01 gene	-1.98	0.51	0.03
A_51_P411019	NM_175145	Tmem127	69470	transmembrane protein 127	-2.67	0.51	0.00
A_52_P556337	AK078477	4932441K1	353170	RIKEN cDNA 4932441K18 gene ArfGAP with SH# domain, ankyrin repeat and PH domain1	-2.59	0.51	0.00
A_52_P463183	AK147689	Asap1	13196	domain1	-1.62	0.51	0.12
A_51_P378807	XM_126489	NA	NA	NA	-2.39	0.51	0.01
A_51_P427663	NM_007725	Cnn2	12798	calponin 2	-2.03	0.51	0.02
A_52_P244803	XM_0010017	D630033O	235302	RIKEN cDNA D630033O11 gene	-1.98	0.51	0.03
A_52_P1157176	BB160563	NA	NA	NA	-1.99	0.51	0.03
A_51_P153124	NM_016885	Emcn	59308	endomucin	-2.40	0.51	0.01
A_52_P1020291	AK037633	Gyk	14933	glycerol kinase	-1.44	0.51	0.24
A_51_P381321	NM_199080	Ddx17	67040	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-2.38	0.51	0.01
A_52_P595805	BC027644	1810063B0	67509	RIKEN cDNA 1810063B07 gene	-2.22	0.51	0.01
A_52_P1091593	AK035003	NA	NA	NA	-1.93	0.51	0.03
A_52_P495237	NM_008787	Pcnt	18541	pericentrin (kendrin)	-2.41	0.51	0.00
A_51_P187171	NM_030252	BC003266	80284	cDNA sequence BC003266	-1.93	0.51	0.03
A_51_P376979	NM_025789	Rsph3a	66832	radial spoke 3A homolog (Chlamydomonas)	-1.87	0.51	0.04

A_51_P483483	NM_028726	4632404H174034		RIKEN cDNA 4632404H12 gene	-2.14	0.51	0.01
A_51_P158772	NM_170777	Elof1	66126	elongation factor 1 homolog (ELF1, <i>S. cerevisiae</i>)	-2.35	0.51	0.01
A_52_P471282	NM_144878	Fmo4	226564	flavin containing monooxygenase 4	-1.63	0.51	0.12
A_51_P388801	NM_178385	Tbcc	72726	tubulin-specific chaperone C	-2.46	0.51	0.00
A_51_P430423	NM_007398	Ada	11486	adenosine deaminase	-1.89	0.51	0.04
A_51_P371241	AK173333	Gm608	207806	predicted gene 608	-2.13	0.51	0.01
A_52_P104769	NM_011711	Fmnl3	22379	formin-like 3	-2.39	0.51	0.01
A_51_P502068	NA	NA	NA	NA	-1.67	0.51	0.10
A_51_P237307	AK122468	Plekhg1	213783	pleckstrin homology domain containing, family G (with RhoGef domain) member 1	-2.64	0.51	0.00
A_52_P331212	NA	NA	NA	NA	-1.97	0.51	0.03
A_52_P295906	AK049081	Ammecr1l	225339	AMME chromosomal region gene 1-like	-2.26	0.51	0.01
A_51_P112308	NM_026931	1810011O169068		RIKEN cDNA 1810011O10 gene	-1.25	0.51	0.55
A_51_P483220	NM_008378	Impact	16210	imprinted and ancient	-1.85	0.51	0.04
A_51_P120137	NM_201361	Fam82a1	381110	family with sequence similarity 82, member A1	-2.40	0.51	0.00
A_51_P239137	NM_009568	Zfp94	22756	zinc finger protein 94	-1.92	0.51	0.03
A_51_P371311	NM_018861	Slc1a4	55963	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	-1.69	0.51	0.09
A_52_P180310	BF100712	Copz2	56358	coatomer protein complex, subunit zeta 2	-2.44	0.51	0.00
A_51_P443443	AY040842	Gon4l	76022	gon-4-like (<i>C.elegans</i>)	-1.95	0.51	0.03
A_51_P436189	NM_026675	Nudt22	68323	nudix (nucleoside diphosphate linked moiety X)-type motif 22	-2.33	0.51	0.01
A_51_P386810	NM_177910	Gmppb	331026	GDP-mannose pyrophosphorylase B	-1.13	0.51	0.86
A_52_P507169	AK005177	2810449D167234		RIKEN cDNA 2810449D17 gene	-1.95	0.51	0.03
A_51_P225630	NM_153144	Ggnbp2	217039	gametogenetin binding protein 2	-2.06	0.51	0.02
A_52_P235278	NM_153556	Pms1	227099	postmeiotic segregation increased 1 (<i>S. cerevisiae</i>)	-1.88	0.51	0.04
A_51_P267314	NM_178650	Tbc1d10c	108995	TBC1 domain family, member 10c	-2.25	0.51	0.01
A_51_P251754	AV111327	NA	NA	NA	-1.75	0.51	0.07
A_51_P363948	NM_007712	Clk2	12748	CDC-like kinase 2	-2.11	0.51	0.01
A_51_P454696	BC028441	Mosc1	66112	MOCO sulphurase C-terminal domain containing 1	-2.39	0.51	0.01
A_52_P53698	NM_011489	Stat5b	20851	signal transducer and activator of transcription 5B	-1.98	0.51	0.03
A_51_P385697	NM_010795	Mgat3	17309	mannoside acetylglucosaminyltransferase 3	-1.26	0.51	0.53

A_52_P484799	NM_025679	Sike1	66641	suppressor of IKBKE 1	-2.25	0.51	0.01
A_52_P325443	NM_172525	Arhgap29	214137	Rho GTPase activating protein 29	-1.82	0.51	0.05
A_51_P137336	NM_009864	Cdh1	12550	cadherin 1	-1.61	0.51	0.13
A_52_P266320	XM_111900	NA	NA	NA	-1.94	0.51	0.03
A_51_P470448	NM_198033	Setx	269254	senataxin	-1.84	0.51	0.04
A_51_P384756	NM_010697	Ldb1	16825	LIM domain binding 1	-2.62	0.51	0.00
A_51_P191520	NM_019990	Stard10	56018	START domain containing 10	-2.35	0.51	0.01
A_52_P415735	NM_013843	Zfp53	24132	zinc finger protein 53	-1.21	0.50	0.61
A_52_P432919	NM_031874	Rab3d	19340	RAB3D, member RAS oncogene family	-2.01	0.50	0.02
A_52_P35928	AK077363	Ccdc93	70829	coiled-coil domain containing 93	-2.07	0.50	0.02
A_52_P135276	NM_207220	Gpr137	107173	G protein-coupled receptor 137	-2.11	0.50	0.01
A_52_P582424	NM_178400	9130221H1	77124	RIKEN cDNA 9130221H12 gene	-1.93	0.50	0.03
A_51_P216726	NM_029339	Ccdc101	75565	coiled-coil domain containing 101 protein-L-isoaspartate (D-aspartate) O-	-2.62	0.50	0.00
A_51_P197509	NM_153594	Pcmt2	245867	methyltransferase domain containing 2	-2.39	0.50	0.01
A_52_P262250	NM_007682	Cenpb	12616	centromere protein B	-2.63	0.50	0.00
A_51_P429212	NM_028749	Npl	74091	N-acetylneuraminate pyruvate lyase	-1.95	0.50	0.03
A_52_P438682	BC064745	Wdr33	74320	WD repeat domain 33	-2.52	0.50	0.00
A_52_P442585	NM_010365	Gtf2i	14886	general transcription factor II I	-1.98	0.50	0.03
A_52_P68735	NM_001013	Shf	435684	Src homology 2 domain containing F	-2.34	0.50	0.01
A_51_P284466	NM_023910	Tsc22d4	78829	TSC22 domain family, member 4	-2.37	0.50	0.01
A_51_P244993	AK018024	Rap2a	76108	RAS related protein 2a	-1.94	0.50	0.03
A_51_P103865	NM_027242	2010007H1	69871	RIKEN cDNA 2010007H12 gene	-2.05	0.50	0.02
A_51_P301930	BC030317	Lrrc17	74511	leucine rich repeat containing 17	-1.12	0.50	0.86
A_52_P65077	AK052282	Zfp820	75424	zinc finger protein 820	-2.33	0.50	0.01
A_52_P57013	NM_008750	Nxn	18230	nucleoredoxin	-2.10	0.50	0.01
A_51_P196862	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-1.96	0.50	0.03
A_52_P394385	NM_026451	1600012H0	67912	RIKEN cDNA 1600012H06 gene	-2.70	0.50	0.00
A_51_P511112	NM_008197	H1f0	14958	H1 histone family, member 0	-1.77	0.50	0.06
A_52_P547273	AK018161	Dock4	238130	dedicator of cytokinesis 4	-1.51	0.50	0.20
A_51_P334318	NM_027363	2010110P0	70261	RIKEN cDNA 2010110P09 gene	-1.78	0.50	0.06
A_52_P111562	NM_153580	Ino80e	233875	INO80 complex subunit E	-2.23	0.50	0.01
A_52_P174771	NM_174874	Atg4b	66615	autophagy-related 4B (yeast)	-2.43	0.50	0.00
A_52_P117966	NM_026546	Fam173b	68073	family with sequence similarity 173, member B	-1.84	0.50	0.04

A_51_P416625	NM_026325	Tmem179b	67706	transmembrane protein 179B	-2.39	0.50	0.01
A_51_P496054	NM_080855	Zcchc14	142682	zinc finger, CCHC domain containing 14	-1.26	0.50	0.53
A_51_P191893	AK163489	2410022M	69755	RIKEN cDNA 2410022M11 gene	-1.86	0.50	0.04
A_51_P479052	NM_033074	Tars	110960	threonyl-tRNA synthetase	-2.14	0.50	0.01
A_51_P326609	BC011407	Golga2	99412	golgi autoantigen, golgin subfamily a, 2	-2.05	0.50	0.02
A_51_P114094	NM_153508	Clstn3	232370	calsyntenin 3	-2.20	0.50	0.01
A_52_P446625	NM_001024	AW555464	217882	expressed sequence AW555464	-2.12	0.50	0.01
A_52_P121486	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-1.39	0.50	0.30
A_51_P299339	NM_023184	Klf15	66277	Kruppel-like factor 15	-1.40	0.50	0.28
A_52_P205797	NM_177683	Vgll4	232334	vestigial like 4 (Drosophila)	-2.03	0.50	0.02
A_51_P298538	NM_145404	Prmt7	214572	protein arginine N-methyltransferase 7	-1.83	0.50	0.05
A_51_P219061	NM_026936	Oxa1l	69089	oxidase assembly 1-like	-1.76	0.50	0.07
A_51_P365912	NM_026238	Narfl	67563	nuclear prelamin A recognition factor-like	-2.68	0.50	0.00
A_51_P233947	NM_144522	Tbc1d10b	68449	TBC1 domain family, member 10b	-1.98	0.50	0.03
A_51_P155018	NM_022887	Tsc1	64930	tuberous sclerosis 1	-2.19	0.50	0.01
A_52_P255782	NM_175316	Slco2b1	101488	solute carrier organic anion transporter family, member 2b1	-2.53	0.50	0.00
A_52_P249687	AK002941	0710001D	67679	RIKEN cDNA 0710001D07 gene	-1.80	0.50	0.06
A_51_P143468	NM_178771	Klhl26	234378	kelch-like 26 (Drosophila)	-1.68	0.50	0.09
A_52_P144848	AI843133	NA	NA	NA	-2.61	0.50	0.00
A_51_P227785	AK033046	Klhl3	627648	kelch-like 3 (Drosophila)	-2.43	0.50	0.00
A_52_P144173	NM_008317	Hyal1	15586	hyaluronoglucosaminidase 1	-1.49	0.50	0.20
A_51_P485499	NM_016849	Irf3	54131	interferon regulatory factor 3	-2.20	0.50	0.01
A_52_P208613	NM_175027	Fancc	237211	Fanconi anemia, complementation group B	-2.04	0.50	0.02
A_52_P392833	NA	NA	NA	NA	-1.96	0.50	0.03
A_52_P111244	NA	NA	NA	NA	-2.37	0.50	0.01
A_51_P287606	NM_028484	1700037C	173261	RIKEN cDNA 1700037C18 gene	-2.09	0.50	0.02
A_52_P187987	AK009064	2310001H	176432	RIKEN cDNA 2310001H17 gene	-1.72	0.50	0.07
A_51_P368110	NM_028211	2210016L	272357	RIKEN cDNA 2210016L21 gene	-1.49	0.50	0.20
A_51_P223709	NM_080850	Pask	269224	PAS domain containing serine/threonine kinase	-2.51	0.50	0.00
A_51_P275623	NM_015828	Gne	50798	glucosamine	-2.01	0.50	0.02
A_51_P326483	NM_023292	Pus3	67049	pseudouridine synthase 3	-2.31	0.50	0.01

A_51_P450365	NM_153162	Txnrd3	232223	thioredoxin reductase 3	-2.23	0.50	0.01
				SWI/SNF related, matrix associated, actin dependent			
A_51_P423880	NM_025891	Smarcd3	66993	regulator of chromatin, subfamily d, member 3	-2.52	0.50	0.00
A_52_P569507	NM_019637	Styx	56291	serine/threonine/tyrosine interaction protein	-2.41	0.50	0.00
A_51_P117995	NM_021514	Pfkm	18642	phosphofructokinase, muscle	-1.86	0.50	0.04
A_51_P412640	NM_025689	Ccdc51	66658	coiled-coil domain containing 51	-2.04	0.50	0.02
A_51_P119077	NM_011018	Sqstm1	18412	sequestosome 1	-1.72	0.50	0.07
A_51_P242414	AK147274	NA	NA	NA	-2.15	0.50	0.01
A_52_P172563	NM_001025	Dffa	13347	DNA fragmentation factor, alpha subunit	-2.62	0.50	0.00
A_52_P329054	NM_023873	Cep70	68121	centrosomal protein 70	-1.95	0.50	0.03
A_51_P220062	NM_008609	Mmp15	17388	matrix metalloproteinase 15	-1.57	0.50	0.15
A_51_P396297	NM_175185	Hsdl1	72552	hydroxysteroid dehydrogenase like 1	-1.66	0.50	0.11
A_52_P391718	NM_009079	Rpl22	19934	ribosomal protein L22	-2.20	0.50	0.01
A_52_P716154	AV242843	NA	NA	NA	-1.79	0.50	0.06
A_51_P174415	NM_170755	Fam134a	227298	family with sequence similarity 134, member A	-2.61	0.50	0.00
A_52_P566055	NM_145706	Nup43	69912	nucleoporin 43	-2.30	0.50	0.01
				insulin-like growth factor binding protein, acid labile			
A_51_P277088	NM_008340	Igfals	16005	subunit	-1.91	0.50	0.04
A_52_P517905	BC033459	Numb	18222	numb gene homolog (Drosophila)	-1.83	0.50	0.04
				phosphoprotein associated with glycosphingolipid			
A_52_P389484	AK041695	Pag1	94212	microdomains 1	-2.15	0.50	0.01
A_51_P431107	NM_013872	Pmm1	29858	phosphomannomutase 1	-2.28	0.50	0.01
A_51_P472323	NM_015792	Fbxo18	50755	F-box protein 18	-2.66	0.50	0.00
A_52_P616229	NM_026622	3110057O1	269423	RIKEN cDNA 3110057O12 gene	-2.29	0.50	0.01
A_52_P428446	NM_011650	Tsn	22099	translin	-1.69	0.50	0.09
A_51_P172727	NM_029081	5730419I0	74741	RIKEN cDNA 5730419I09 gene	-1.66	0.50	0.11
A_52_P645122	NA	NA	NA	NA	-2.54	0.50	0.00
A_52_P61691	NM_181858	Cd59b	333883	CD59b antigen	-1.79	0.50	0.06
A_51_P185175	NM_010219	Fkbp4	14228	FK506 binding protein 4	-1.81	0.50	0.05
A_51_P422335	BC055817	Zfp420	233058	zinc finger protein 420	-2.25	0.50	0.01
A_52_P77245	NM_172277	Snx8	231834	sorting nexin 8	-2.31	0.50	0.01
A_51_P414047	AK047328	NA	NA	NA	-2.13	0.50	0.01
A_52_P334677	NM_007715	Clock	12753	circadian locomotor output cycles kaput	-1.57	0.50	0.15

A_51_P338961	XM_130565	NA	NA	NA	-2.27	0.50	0.01
A_51_P355774	NM_026921	Isca1	69046	iron-sulfur cluster assembly 1 homolog (<i>S. cerevisiae</i>)	-2.49	0.50	0.00
A_52_P191210	AK028720	9530091C0320440		RIKEN cDNA 9530091C08 gene	-2.12	0.50	0.01
A_52_P12806	NM_199472	NA	NA	NA	-1.40	0.50	0.28
A_51_P452875	NA	NA	NA	NA	-1.70	0.50	0.09
A_52_P470869	AK138175	Mipol1	73490	mirror-image polydactyly gene 1 homolog (human)	-1.88	0.50	0.04
A_52_P677956	NM_026951	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-1.77	0.50	0.06
A_51_P231587	XM_194000	NA	NA	NA	-2.44	0.50	0.00
A_51_P425232	NM_027764	Rcbtb1	71330	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1	-2.23	0.50	0.01
A_52_P78023	NM_172397	Limd2	67803	LIM domain containing 2	-2.11	0.50	0.01
A_51_P379230	NM_001025	Maf	17132	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	-2.41	0.50	0.00
A_51_P151516	AK045519	B230208H1320273		RIKEN cDNA B230208H11 gene	-2.18	0.50	0.01
A_51_P314521	NM_138743	Fam165b	68936	family with sequence similarity 165, member B	-1.99	0.50	0.03
A_52_P309718	XM_897688	D14Abb1e	218850	DNA segment, Chr 14, Abbott 1 expressed	-2.07	0.50	0.02
A_51_P166325	BC092074	Ttc5	219022	tetratricopeptide repeat domain 5	-1.42	0.50	0.27
A_51_P140597	NM_178930	Gbf1	107338	golgi-specific brefeldin A-resistance factor 1	-2.01	0.50	0.02
A_52_P366980	NM_028841	Tspan17	74257	tetraspanin 17	-2.38	0.50	0.01
A_51_P411757	NM_172945	Ankrd13b	268445	ankyrin repeat domain 13b	-2.28	0.50	0.01
A_51_P359078	NM_021329	Rangrf	57785	RAN guanine nucleotide release factor	-1.61	0.50	0.13
A_51_P437426	NM_146069	Lrrc33	224109	leucine rich repeat containing 33	-2.70	0.50	0.00
A_51_P329541	NM_030729	Nckipsd	80987	NCK interacting protein with SH3 domain	-2.28	0.50	0.01
A_51_P121466	NM_025609	Tab1	66513	TGF-beta activated kinase 1/MAP3K7 binding protein 1	-2.15	0.50	0.01
A_52_P168575	NM_001013	Fam169b	434197	family with sequence similarity 169, member B	-2.04	0.50	0.02
A_51_P431916	NM_011551	Ubtf	21429	upstream binding transcription factor, RNA polymerase I	-2.33	0.50	0.01
A_52_P324530	NM_023503	Ing2	69260	inhibitor of growth family, member 2	-2.02	0.50	0.02
A_51_P259773	NM_020258	Slc37a2	56857	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	-1.93	0.50	0.03
A_52_P436094	NM_133900	Psph	100678	phosphoserine phosphatase	-1.80	0.50	0.05

A_52_P438530	NM_013852	Abcf3	27406	ATP-binding cassette, sub-family F (GCN20), member 3	-2.23	0.50	0.01
A_51_P494775	NM_198023	Rcor1	217864	REST corepressor 1	-1.84	0.50	0.04
A_51_P356760	NM_138315	Mical1	171580	microtubule associated monooxygenase, calponin and LIM domain containing 1	-1.55	0.50	0.16
A_52_P336958	AK154331	9430020K0	240185	RIKEN cDNA 9430020K01 gene	-2.34	0.50	0.01
A_52_P625277	NM_183220	Accs	329470	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	-2.36	0.50	0.01
A_51_P320434	NM_001002	Smg6	103677	Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans)	-1.46	0.50	0.21
A_52_P58471	NM_199199	Tmem199	195040	transmembrane protein 199	-2.27	0.50	0.01
A_51_P389421	NM_023480	Fahd1	68636	fumarylacetoacetate hydrolase domain containing 1	-2.45	0.50	0.00
A_52_P328621	NA	NA	NA	NA	-1.91	0.50	0.04
A_52_P323525	NM_001003	Arhgef11	213498	Rho guanine nucleotide exchange factor (GEF) 11	-2.22	0.50	0.01
A_52_P554411	NM_010148	Epn2	13855	epsin 2	-2.28	0.50	0.01
A_51_P415475	NM_053246	Dok4	114255	docking protein 4	-2.35	0.49	0.01
A_51_P170577	AK011422	Nup43	69912	nucleoporin 43	-2.30	0.49	0.01
A_51_P109541	NM_001015	E130308A1	230259	RIKEN cDNA E130308A19 gene	-2.09	0.49	0.02
A_51_P304239	NM_010729	Loxl1	16949	lysyl oxidase-like 1	-2.28	0.49	0.01
A_52_P308413	AK007434	1810011H1	169069	RIKEN cDNA 1810011H11 gene	-2.17	0.49	0.01
A_52_P59285	AK162474	2810410L2	1E+08	RIKEN cDNA 2810410L24 gene	-2.11	0.49	0.01
A_51_P493285	NM_007828	Dapk3	13144	death-associated protein kinase 3	-2.06	0.49	0.02
A_51_P468037	NM_026698	Tmem129	68366	transmembrane protein 129	-2.09	0.49	0.02
A_51_P355820	BC027683	Zfp688	69234	zinc finger protein 688	-2.50	0.49	0.00
A_51_P126702	NM_030143	Ddit4l	73284	DNA-damage-inducible transcript 4-like	-1.48	0.49	0.20
A_51_P218216	AK048177	Cnot1	234594	CCR4-NOT transcription complex, subunit 1	-2.35	0.49	0.01
A_52_P532323	NM_001038	Marvel2	218518	MARVEL (membrane-associating) domain containing 2	-1.39	0.49	0.28
A_51_P141634	NM_173432	Pskh1	244631	protein serine kinase H1	-2.24	0.49	0.01
A_52_P606826	NM_029988	Pigh	110417	phosphatidylinositol glycan anchor biosynthesis, class H	-2.21	0.49	0.01
A_52_P843910	AK076876	NA	NA	NA	-1.91	0.49	0.04
A_52_P419162	AK129156	Cyhr1	54151	cysteine and histidine rich 1	-1.76	0.49	0.07

A_52_P538673	NM_010197	Fgf1	14164	fibroblast growth factor 1	-2.58	0.49	0.00
A_52_P511381	NM_011571	Tesk1	21754	testis specific protein kinase 1	-2.16	0.49	0.01
A_51_P473940	NA	NA	NA	NA	-1.59	0.49	0.14
A_51_P236314	AK004787	Ndst1	15531	N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1	-2.68	0.49	0.00
A_51_P354706	NM_010094	Lefty1	13590	left right determination factor 1	-1.83	0.49	0.05
A_52_P207614	XM_992182	NA	NA	NA	-2.37	0.49	0.01
A_51_P493175	NM_025964	Fam119a	67099	family with sequence similarity 119, member A	-2.42	0.49	0.00
A_51_P177518	NM_025318	Tmem93	66048	transmembrane protein 93	-2.52	0.49	0.00
A_51_P325491	NM_025368	Josd2	66124	Josephin domain containing 2	-2.22	0.49	0.01
A_52_P174328	NM_178080	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin)	-1.75	0.49	0.07
A_51_P328300	NM_009787	Pdia4	12304	protein disulfide isomerase associated 4	-1.49	0.49	0.20
A_51_P477875	NM_011393	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transporter), member 2	-1.66	0.49	0.11
A_51_P316616	NM_174992	Smagp	207818	small cell adhesion glycoprotein	-2.20	0.49	0.01
A_52_P225331	NM_024438	Dusp19	68082	dual specificity phosphatase 19	-2.06	0.49	0.02
A_52_P626438	NA	NA	NA	NA	-1.76	0.49	0.07
A_52_P427524	NM_133998	1810008A1	108707	RIKEN cDNA 1810008A18 gene	-2.79	0.49	0.00
A_52_P589591	NM_015810	Polg2	50776	polymerase (DNA directed), gamma 2, accessory subunit	-2.32	0.49	0.01
A_51_P127186	NM_026799	Rnasen	14000	ribonuclease III, nuclear	-2.03	0.49	0.02
A_51_P248304	NM_178027	Vps26b	69091	vacuolar protein sorting 26 homolog B (yeast)	-2.51	0.49	0.00
A_51_P167660	NM_175157	2610204G2	70448	RIKEN cDNA 2610204G22 gene	-2.73	0.49	0.00
A_52_P338162	NM_138303	Yipf2	74766	Yip1 domain family, member 2	-1.69	0.49	0.09
A_51_P133792	NM_175097	Prickle3	54630	prickle homolog 3 (Drosophila)	-2.24	0.49	0.01
A_52_P188425	NM_001039	Prosc	114863	proline synthetase co-transcribed	-1.62	0.49	0.12
A_52_P54561	NM_010829	Msh3	17686	mutS homolog 3 (E. coli)	-1.93	0.49	0.03
A_52_P584078	NM_152894	Pop1	67724	processing of precursor 1, ribonuclease P/MRP family, (S. cerevisiae)	-1.63	0.49	0.11
A_51_P502838	AK039198	Ube2h	22214	ubiquitin-conjugating enzyme E2H	-1.87	0.49	0.04
A_51_P409825	NM_022424	Fndc4	64339	fibronectin type III domain containing 4	-2.35	0.49	0.01
A_51_P161413	AK162153	Usp30	100756	ubiquitin specific peptidase 30	-2.66	0.49	0.00

A_51_P498947	NM_026371	Loh12cr1	67774	loss of heterozygosity, 12, chromosomal region 1 homolog (human)	-2.26	0.49	0.01
A_52_P642056	NM_053194	Ric8	101489	resistance to inhibitors of cholinesterase 8 homolog (C. elegans)	-2.40	0.49	0.01
A_52_P432815	AK086714	2310079N02	66566	RIKEN cDNA 2310079N02 gene	-2.56	0.49	0.00
A_51_P286792	NM_031494	Zfp275	27081	zinc finger protein 275	-1.72	0.49	0.07
A_52_P127325	NM_178885	AI182371	98870	expressed sequence AI182371	-2.30	0.49	0.01
A_51_P381239	NM_153563	Fam40a	229707	family with sequence similarity 40, member A	-2.38	0.49	0.01
A_51_P500226	NM_028024	Nkiras2	71966	NFKB inhibitor interacting Ras-like protein 2	-2.20	0.49	0.01
A_52_P325918	AK148051	5930430L01	319982	RIKEN cDNA 5930430L01 gene	-2.10	0.49	0.01
A_51_P355151	AK013788	Camk2n2	73047	calcium/calmodulin-dependent protein kinase II inhibitor 2	-2.09	0.49	0.02
A_52_P96772	AK012010	Pgp	67078	phosphoglycolate phosphatase	-2.36	0.49	0.01
A_52_P577624	NM_138664	Dnajc28	246738	Dnal (Hsp40) homolog, subfamily C, member 28	-1.98	0.49	0.03
A_51_P468482	NM_028093	Entpd8	72090	ectonucleoside triphosphate diphosphohydrolase 8	-1.90	0.49	0.04
A_52_P111963	NM_175141	1810030O07	69155	RIKEN cDNA 1810030O07 gene	-2.38	0.49	0.01
A_52_P476357	NM_016878	Dnpep	13437	aspartyl aminopeptidase	-2.31	0.49	0.01
A_51_P169635	NM_178744	Zbtb1	268564	zinc finger and BTB domain containing 1	-2.46	0.49	0.00
A_51_P519404	AK021268	1110065P2	68920	RIKEN cDNA 1110065P20 gene	-1.65	0.49	0.11
A_51_P260730	NM_018804	Syt11	229521	synaptotagmin XI	-1.84	0.49	0.04
A_52_P232637	NM_007857	Dhh	13363	desert hedgehog	-2.00	0.49	0.02
A_51_P269793	AK033780	NA	NA	NA	-1.97	0.49	0.03
A_52_P210246	NM_144855	Cbs	12411	cystathionine beta-synthase	-2.42	0.49	0.00
A_51_P381178	AK038975	Zbtb46	72147	zinc finger and BTB domain containing 46	-2.51	0.49	0.00
A_51_P432504	NM_024229	Pcyt2	68671	phosphate cytidylyltransferase 2, ethanolamine	-2.09	0.49	0.02
A_51_P498831	NM_033562	Derl2	116891	Der1-like domain family, member 2	-2.13	0.49	0.01
A_51_P353946	NM_010549	Il11ra1	16157	interleukin 11 receptor, alpha chain 1	-1.95	0.49	0.03
A_52_P634950	BC004066	NA	NA	NA	-1.81	0.49	0.05
A_51_P304449	AK031960	NA	NA	NA	-2.21	0.49	0.01
A_52_P668882	AK153996	D930015E06	229473	RIKEN cDNA D930015E06 gene	-2.09	0.49	0.02
A_51_P436957	NM_025799	Fuca2	66848	fucosidase, alpha-L- 2, plasma	-1.96	0.49	0.03
A_52_P27122	NA	NA	NA	NA	-2.16	0.49	0.01
A_51_P209597	AK143987	Afm	280662	afamin	-2.18	0.49	0.01

A_51_P389447	NM_026833	ORF19	68767	open reading frame 19	-1.47	0.49	0.20
A_52_P276529	NM_175207	Ankrd9	74251	ankyrin repeat domain 9	-2.01	0.49	0.02
A_51_P520917	NM_011439	Sox13	20668	SRY-box containing gene 13	-2.41	0.49	0.00
A_52_P122843	XM_001001	BC032203	210982	cDNA sequence BC032203	-1.93	0.49	0.03
A_52_P566005	AK129235	Taok2	381921	TAO kinase 2	-2.13	0.49	0.01
A_52_P488092	AK147510	Etl4	208618	enhancer trap locus 4	-2.12	0.49	0.01
A_52_P264647	XM_484000	Gm6685	626571	cytochrome b5 domain containing 1 pseudogene	-2.06	0.49	0.02
A_51_P394788	NM_021895	Actn4	60595	actinin alpha 4	-2.46	0.49	0.00
A_51_P265093	AK144671	Aasdhppt	67618	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	-2.51	0.49	0.00
A_51_P299216	BC043315	Wdr90	106618	WD repeat domain 90	-2.29	0.49	0.01
A_51_P431087	NM_009242	Sparc	20692	secreted acidic cysteine rich glycoprotein	-1.69	0.49	0.09
A_52_P1157979	NM_007590	Calm3	12315	calmodulin 3	-2.15	0.49	0.01
A_51_P121793	NM_008891	Pnn	18949	pinin	-1.87	0.49	0.04
A_51_P153973	NM_198322	Zfp273	212569	zinc finger protein 273	-2.33	0.49	0.01
A_51_P140331	NM_152808	Slc44a2	68682	solute carrier family 44, member 2	-2.50	0.49	0.00
A_51_P153170	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-2.75	0.49	0.00
A_52_P869373	AK163389	Smcr7l	239555	Smith-Magenis syndrome chromosome region, candidate 7-like (human)	-2.35	0.49	0.01
A_51_P384515	AK082385	Ido2	209176	indoleamine 2,3-dioxygenase 2	-2.20	0.49	0.01
A_51_P152216	NM_025693	Tmem41a	66664	transmembrane protein 41a	-1.96	0.49	0.03
A_51_P464023	NM_021528	Chst12	59031	carbohydrate sulfotransferase 12	-2.67	0.49	0.00
A_52_P609475	NM_018877	Setdb1	84505	SET domain, bifurcated 1	-1.63	0.49	0.12
A_51_P148122	NM_027910	Klhdc3	71765	kelch domain containing 3	-2.61	0.49	0.00
A_52_P172711	AK080470	Srr	27364	serine racemase	-2.54	0.49	0.00
A_52_P101551	NM_020517	Lenep	57275	lens epithelial protein	-2.37	0.49	0.01
A_51_P324551	NM_025785	Fbxo25	66822	F-box protein 25	-2.65	0.49	0.00
A_51_P456466	NM_021455	Mlxipl	58805	MLX interacting protein-like	-2.10	0.49	0.02
A_51_P304397	BC100404	Cpm	70574	carboxypeptidase M	-2.02	0.49	0.02
A_51_P125567	NM_144877	Mettl13	71449	methyltransferase like 13	-2.08	0.49	0.02
A_52_P194242	NM_001039	Sel1l	20338	sel-1 suppressor of lin-12-like (C. elegans)	-2.68	0.49	0.00
A_52_P588580	NM_001001	9830163HC	414109	RIKEN cDNA 9830163H01 gene	-1.89	0.49	0.04
A_51_P478400	NM_008488	Arhgef1	16801	Rho guanine nucleotide exchange factor (GEF) 1	-2.78	0.49	0.00

A_52_P195018	NM_139206	Arap3	106952	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3	-2.32	0.49	0.01
A_51_P368557	NM_138607	Fam50a	108160	family with sequence similarity 50, member A	-2.59	0.49	0.00
A_52_P623751	NM_010193	Fem1b	14155	feminization 1 homolog b (C. elegans)	-2.18	0.49	0.01
A_52_P883463	AK045690	NA	NA	NA	-1.61	0.49	0.13
A_52_P201551	NM_173437	Nav1	215690	neuron navigator 1	-2.64	0.49	0.00
A_52_P617080	NM_025868	Tmx2	66958	thioredoxin-related transmembrane protein 2	-2.18	0.49	0.01
A_51_P261991	NM_007540	Bdnf	12064	brain derived neurotrophic factor	-2.43	0.49	0.00
A_52_P425706	NM_027355	Rnf168	70238	ring finger protein 168	-2.33	0.49	0.01
A_52_P348922	AK017896	C2cd2	207781	C2 calcium-dependent domain containing 2	-2.26	0.49	0.01
A_51_P361120	NM_025518	Dus2l	66369	dihydrouridine synthase 2-like (SMM1, S. cerevisiae)	-2.28	0.49	0.01
A_51_P510418	NM_028270	Aldh1b1	72535	aldehyde dehydrogenase 1 family, member B1	-1.64	0.49	0.11
A_52_P653367	NA	NA	NA	NA	-2.34	0.49	0.01
A_51_P280085	NM_028298	Zfp655	72611	zinc finger protein 655	-2.00	0.49	0.02
A_52_P199554	NM_153597	Trpt1	107328	tRNA phosphotransferase 1	-2.07	0.49	0.02
A_52_P237871	NM_007970	Ezh1	14055	enhancer of zeste homolog 1 (Drosophila)	-2.50	0.49	0.00
A_52_P550932	NM_008197	H1f0	14958	H1 histone family, member 0	-1.70	0.49	0.09
A_52_P110270	NM_001045	Rdbp	27632	RD RNA-binding protein	-2.41	0.49	0.00
A_51_P393223	BC022973	Ankrd23	78321	ankyrin repeat domain 23	-2.09	0.49	0.02
A_51_P144712	NM_178930	Gbf1	107338	golgi-specific brefeldin A-resistance factor 1	-1.25	0.49	0.55
A_51_P346641	XM_905633	Armcx4	102910	armadillo repeat containing, X-linked 4	-1.50	0.49	0.20
A_52_P16419	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)	-1.95	0.49	0.03
A_52_P591153	NM_178911	Plid4	104759	phospholipase D family, member 4	-2.51	0.49	0.00
A_51_P340174	NM_172682	Fam160a1	229488	family with sequence similarity 160, member A1	-1.61	0.49	0.13
A_51_P472329	NM_028883	4632415K1	74347	RIKEN cDNA 4632415K11 gene	-2.44	0.49	0.00
A_52_P242251	NM_145415	AA408296	215193	expressed sequence AA408296	-2.34	0.49	0.01
A_52_P257919	XM_283804	9830001HC	320706	RIKEN cDNA 9830001H06 gene	-2.03	0.48	0.02
A_51_P365980	NM_175149	2310022B0	69551	RIKEN cDNA 2310022B05 gene	-1.97	0.48	0.03
A_52_P203852	AK009244	2310009AC	66364	RIKEN cDNA 2310009A05 gene	-1.48	0.48	0.20
A_52_P639567	NM_013799	Ate1	11907	arginyltransferase 1	-2.43	0.48	0.00
A_51_P350996	NM_080461	Zfp358	140482	zinc finger protein 358	-2.36	0.48	0.01
A_52_P290434	AK051849	Fbxl7	448987	F-box and leucine-rich repeat protein 7	-2.75	0.48	0.00
A_52_P670255	NM_008379	Kpnb1	16211	karyopherin (importin) beta 1	-1.77	0.48	0.07

A_51_P446856	AK050046	Flnb	286940	filamin, beta	-2.42	0.48	0.00
A_52_P1333	BC065093	Ankrd27	245886	ankyrin repeat domain 27 (VPS9 domain)	-2.46	0.48	0.00
A_51_P452682	AK076753	Pou5f2	75507	POU domain class 5, transcription factor 2	-2.08	0.48	0.02
A_52_P218379	XM_138275	NA	NA	NA	-2.34	0.48	0.01
A_51_P174407	NM_153513	BC028528	229600	cDNA sequence BC028528	-2.32	0.48	0.01
A_51_P200561	NM_175172	4930506M	71653	RIKEN cDNA 4930506M07 gene	-2.14	0.48	0.01
A_51_P136355	NM_025331	Gng11	66066	guanine nucleotide binding protein (G protein), gamma 11	-1.89	0.48	0.04
A_51_P238533	AK020301	Col4a3bp	68018	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	-2.04	0.48	0.02
A_51_P114049	NM_134142	Tmem109	68539	transmembrane protein 109	-2.31	0.48	0.01
A_51_P478326	NM_026270	Akt1s1	67605	AKT1 substrate 1 (proline-rich)	-2.85	0.48	0.00
A_52_P395064	NM_033072	Mbd6	110962	methyl-CpG binding domain protein 6	-2.14	0.48	0.01
A_51_P176912	NM_139145	Hlcs	110948	holocarboxylase synthetase (biotin- [propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)	-2.13	0.48	0.01
A_52_P241519	NM_008659	Myo1c	17913	myosin IC	-2.31	0.48	0.01
A_51_P341571	NM_027117	Klhdc2	69554	kelch domain containing 2	-2.26	0.48	0.01
A_51_P382121	NM_145517	Ormdl1	227102	ORM1-like 1 (<i>S. cerevisiae</i>)	-2.29	0.48	0.01
A_51_P358152	NM_029100	Sepn1	74777	selenoprotein N, 1	-2.24	0.48	0.01
A_51_P269634	NM_011748	Zfp14	243906	zinc finger protein 14	-1.65	0.48	0.11
A_51_P416419	NM_007591	Calr	12317	calreticulin	-1.93	0.48	0.03
A_51_P134533	NM_026416	S100a16	67860	S100 calcium binding protein A16	-2.57	0.48	0.00
A_51_P335969	NM_010043	Des	13346	desmin	-1.69	0.48	0.09
A_52_P145482	NM_146061	Prr5	109270	proline rich 5 (renal)	-2.19	0.48	0.01
A_52_P587924	NM_009274	Srpk2	20817	serine/arginine-rich protein specific kinase 2	-1.95	0.48	0.03
A_52_P404363	NM_183016	Cdc42bpb	217866	CDC42 binding protein kinase beta	-2.33	0.48	0.01
A_51_P122035	NM_153578	Nipa1	233280	non imprinted in Prader-Willi/Angelman syndrome 1 homolog (human)	-1.91	0.48	0.04
A_52_P284348	NA	NA	NA	NA	-2.47	0.48	0.00
A_51_P114136	NM_177294	Rpap1	68925	RNA polymerase II associated protein 1	-2.54	0.48	0.00
A_52_P364776	NM_008563	Mcm3	17215	minichromosome maintenance deficient 3 (<i>S. cerevisiae</i>)	-2.24	0.48	0.01
A_51_P367220	NM_009012	Rad50	19360	RAD50 homolog (<i>S. cerevisiae</i>)	-1.96	0.48	0.03

A_51_P512172	AK010953	Tet1	52463	tet oncogene 1	-2.37	0.48	0.01
A_51_P179647	NA	NA	NA	NA	-2.20	0.48	0.01
A_51_P170562	BC025836	Cpn2	71756	carboxypeptidase N, polypeptide 2	-1.89	0.48	0.04
A_51_P429682	NM_007898	Ebp	13595	phenylalkylamine Ca2+ antagonist (emopamil) binding protein	-1.89	0.48	0.04
A_52_P149391	NM_001033	Usp40	227334	ubiquitin specific peptidase 40	-2.19	0.48	0.01
A_52_P204393	AK043908	Dedd2	67379	death effector domain-containing DNA binding protein 2	-2.41	0.48	0.00
A_52_P624168	NM_027435	Atad2	70472	ATPase family, AAA domain containing 2	-2.67	0.48	0.00
A_52_P802961	AK149452	Hsd3b3	15494	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 3	-1.22	0.48	0.58
A_52_P94495	AK050059	Prkd3	75292	protein kinase D3	-1.58	0.48	0.15
A_51_P513941	NM_013587	Lrpap1	16976	low density lipoprotein receptor-related protein associated protein 1	-2.58	0.48	0.00
A_51_P211315	NM_153545	Lrrc45	217366	leucine rich repeat containing 45	-2.10	0.48	0.01
A_51_P168632	NM_008921	Prim1	19075	DNA primase, p49 subunit	-1.97	0.48	0.03
A_51_P460633	NM_008244	Hgs	15239	HGF-regulated tyrosine kinase substrate	-2.44	0.48	0.00
A_51_P267671	NM_030251	Abtb1	80283	ankyrin repeat and BTB (POZ) domain containing 1	-2.53	0.48	0.00
A_51_P433615	NM_183390	Klhl6	239743	kelch-like 6 (Drosophila)	-2.34	0.48	0.01
A_51_P259571	NM_145154	Angptl6	70726	angiopoietin-like 6	-1.93	0.48	0.03
A_52_P142154	NM_024229	Pcyt2	68671	phosphate cytidylyltransferase 2, ethanolamine	-2.77	0.48	0.00
A_51_P439645	NM_029296	1700001C1	75462	RIKEN cDNA 1700001C19 gene	-1.59	0.48	0.14
A_52_P185014	NM_145152	Lrrc3	237387	leucine rich repeat containing 3	-2.39	0.48	0.01
A_51_P269153	NM_133968	Snapc2	102209	small nuclear RNA activating complex, polypeptide 2	-2.52	0.48	0.00
A_52_P589509	AK048755	Scaper	244891	S phase cyclin A-associated protein in the ER	-2.31	0.48	0.01
A_51_P490924	NM_177900	Hapln4	330790	hyaluronan and proteoglycan link protein 4	-1.91	0.48	0.04
A_51_P152479	BC067070	4932415G1	67723	RIKEN cDNA 4932415G12 gene	-1.54	0.48	0.16
A_52_P244763	AK078393	Trip4	56404	thyroid hormone receptor interactor 4	-2.15	0.48	0.01
A_51_P221801	NM_010163	Ext2	14043	exostoses (multiple) 2	-2.86	0.48	0.00
A_51_P247034	NM_133694	Fbxl15	68431	F-box and leucine-rich repeat protein 15	-2.92	0.48	0.00
A_52_P334670	NM_007715	Clock	12753	circadian locomoter output cycles kaput	-2.21	0.48	0.01
A_52_P551496	NM_026756	Nfic	18029	nuclear factor I/C	-1.51	0.48	0.18

A_52_P503597	NM_177771	Klhl18	270201	kelch-like 18 (Drosophila)	-2.50	0.48	0.00
A_52_P330201	NM_025504	Atp5sl	66349	ATP5S-like	-1.86	0.48	0.04
A_51_P429567	NM_053106	Lmod1	93689	leiomodrin 1 (smooth muscle)	-1.14	0.48	0.82
A_51_P210634	NM_023547	Ino80b	70020	INO80 complex subunit B	-1.92	0.48	0.03
A_51_P488718	NM_026846	Zfand2b	68818	zinc finger, AN1 type domain 2B	-3.02	0.48	0.00
A_52_P118461	NM_027184	Ipmk	69718	inositol polyphosphate multikinase	-2.20	0.48	0.01
A_51_P277767	NM_024199	Cstf1	67337	cleavage stimulation factor, 3' pre-RNA, subunit 1	-2.58	0.48	0.00
A_51_P504863	NM_008795	Cdk18	18557	cyclin-dependent kinase 18	-2.02	0.48	0.02
A_51_P390446	AK122326	Pacs2	217893	phosphofurin acidic cluster sorting protein 2	-2.12	0.48	0.01
A_51_P450740	NM_011877	Ptpn21	24000	protein tyrosine phosphatase, non-receptor type 21	-2.04	0.48	0.02
A_51_P278214	NM_023685	Zkscan3	72739	zinc finger with KRAB and SCAN domains 3	-2.29	0.48	0.01
A_51_P384754	NM_010697	Ldb1	16825	LIM domain binding 1	-2.68	0.48	0.00
A_51_P460958	NM_028120	Ccdc123	72140	coiled-coil domain containing 123	-2.59	0.48	0.00
A_51_P105709	NM_027182	Trip13	69716	thyroid hormone receptor interactor 13	-2.41	0.48	0.00
A_51_P498403	NM_028065	Cnpy3	72029	canopy 3 homolog (zebrafish)	-2.48	0.48	0.00
A_52_P120740	BC066053	0610030E2	68364	RIKEN cDNA 0610030E20 gene calcium/calmodulin-dependent protein kinase II	-2.02	0.48	0.02
A_52_P64687	NM_025451	Camk2n1	66259	inhibitor 1	-2.17	0.48	0.01
A_51_P221460	NM_025661	Ormdl3	66612	ORM1-like 3 (<i>S. cerevisiae</i>)	-1.76	0.48	0.07
A_52_P546421	NM_013839	Nr1h3	22259	nuclear receptor subfamily 1, group H, member 3	-2.36	0.48	0.01
A_52_P601333	AK078961	6230424C1	67786	RIKEN cDNA 6230424C14 gene	-2.60	0.48	0.00
A_52_P20391	CB182661	NA	NA	NA	-2.26	0.48	0.01
A_51_P403234	NM_019572	Hdac7	56233	histone deacetylase 7	-2.66	0.48	0.00
A_52_P234958	NM_010091	Dvl1	13542	dishevelled, dsh homolog 1 (Drosophila)	-2.55	0.48	0.00
A_51_P176769	XM_355812	Lpar5	381810	lysophosphatidic acid receptor 5 solute carrier family 39 (metal ion transporter), member	-1.61	0.48	0.13
A_51_P295701	NM_026721	Slc39a13	68427	13	-2.49	0.48	0.00
A_52_P333610	AK143711	Solh	50817	small optic lobes homolog (Drosophila)	-2.45	0.48	0.00
A_51_P468362	BC043115	Ccdc88c	68339	coiled-coil domain containing 88C	-1.70	0.48	0.09
A_51_P412109	AK011661	Zfp318	57908	zinc finger protein 318	-2.12	0.48	0.01
A_51_P410949	BC066818	Polr3g	67486	polymerase (RNA) III (DNA directed) polypeptide G	-2.19	0.48	0.01
A_51_P147274	NM_153197	Clec4a3	73149	C-type lectin domain family 4, member a3	-2.38	0.48	0.01

A_52_P555680	NM_178811	Ttc15	217449	tetratricopeptide repeat domain 15	-2.34	0.48	0.01
A_51_P176054	NM_178641	Inpp5f	101490	inositol polyphosphate-5-phosphatase F	-2.45	0.48	0.00
A_51_P118885	NM_008537	Amacr	17117	alpha-methylacyl-CoA racemase	-1.91	0.48	0.04
A_51_P314855	NM_001030	Mcat	223722	malonyl CoA:ACP acyltransferase (mitochondrial)	-2.48	0.48	0.00
A_51_P300655	BC082558	Tbccd1	70573	TBCC domain containing 1	-2.36	0.48	0.01
A_52_P145433	AK035508	D7Ertd715	52480	DNA segment, Chr 7, ERATO Doi 715, expressed	-1.51	0.48	0.20
A_52_P122673	NM_031998	Tsga14	83922	testis specific gene A14	-2.43	0.48	0.00
A_51_P186564	NM_172596	Sec24c	218811	Sec24 related gene family, member C (S. cerevisiae)	-2.46	0.48	0.00
A_51_P227165	NM_025865	2310030G	66952	RIKEN cDNA 2310030G06 gene	-1.87	0.48	0.04
A_52_P238523	NM_183147	Sprn	212518	shadow of prion protein nudix (nucleoside diphosphate linked moiety X)-type	-2.30	0.48	0.01
A_52_P625061	NM_029385	Nudt16	75686	motif 16	-2.21	0.48	0.01
A_52_P553408	AK051620	D130060J1	319595	RIKEN cDNA D130060J10 gene	-2.10	0.48	0.02
A_51_P262721	NA	NA	NA	NA	-2.35	0.48	0.01
A_52_P129114	NM_207223	Acap3	140500	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	-2.47	0.48	0.00
A_52_P185109	NM_027266	Rg9mtd3	69934	RNA (guanine-9-) methyltransferase domain containing 3	-2.44	0.48	0.00
A_52_P121035	NM_028049	Fbxo22	71999	F-box protein 22	-2.07	0.48	0.02
A_52_P161417	AK050217	C730027H1	1319572	RIKEN cDNA C730027H18 gene	-2.05	0.48	0.02
A_52_P668715	NM_026532	Nutf2	68051	nuclear transport factor 2	-2.57	0.48	0.00
A_51_P457775	U53586	Evi5	14020	ecotropic viral integration site 5	-1.33	0.48	0.40
A_52_P452540	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3	-2.45	0.48	0.00
A_52_P247185	AK031598	Masp1	17174	mannan-binding lectin serine peptidase 1	-2.49	0.48	0.00
A_51_P133737	NM_026313	Luc7l3	67684	LUC7-like 3 (S. cerevisiae) dysbindin (dystrobrevin binding protein 1) domain	-2.24	0.48	0.01
A_51_P133381	NM_026797	Dbnnd2	52840	containing 2	-2.71	0.48	0.00
A_51_P222815	NM_172617	Zfp523	224656	zinc finger protein 523	-2.79	0.48	0.00
A_52_P22781	AK133399	D330038O	330788	RIKEN cDNA D330038O06 gene	-2.43	0.48	0.00
A_52_P30550	NM_007387	Acp2	11432	acid phosphatase 2, lysosomal	-2.08	0.48	0.02
A_52_P589664	NM_172919	Zfp846	244721	zinc finger protein 846	-2.08	0.48	0.02
A_51_P303180	NM_026667	Fam114a1	68303	family with sequence similarity 114, member A1	-2.35	0.48	0.01
A_52_P281924	NM_016872	Vamp5	53620	vesicle-associated membrane protein 5	-2.30	0.48	0.01

A_51_P258409	NM_010423	Hey1	15213	hairy/enhancer-of-split related with YRPW motif 1	-2.25	0.48	0.01
A_51_P469411	NM_011632	Traf3	22031	TNF receptor-associated factor 3	-2.56	0.48	0.00
A_52_P454703	BC033430	LOC1002701E+08		hypothetical LOC100270747	-1.55	0.48	0.16
A_52_P512329	NM_027248	Zfp219	69890	zinc finger protein 219	-2.27	0.48	0.01
A_51_P424054	XM_0010007	Btbd2	208198	BTB (POZ) domain containing 2	-2.36	0.48	0.01
A_52_P546660	NM_183112	170002911	75641	RIKEN cDNA 1700029115 gene	-2.61	0.48	0.00
A_52_P80593	BC034004	Pole3	59001	polymerase (DNA directed), epsilon 3 (p17 subunit)	-2.12	0.48	0.01
A_52_P40704	AK032704	Sap130	269003	Sin3A associated protein	-1.80	0.48	0.05
A_51_P101283	NA	NA	NA	NA	-1.44	0.47	0.24
A_52_P112178	XM_0010008	NA	NA	NA	-2.20	0.47	0.01
A_52_P666257	NM_011069	Pex11b	18632	peroxisomal biogenesis factor 11 beta	-2.09	0.47	0.02
A_51_P477179	NM_022433	Sirt3	64384	sirtuin 3 (silent mating type information regulation 2, homolog) 3 (<i>S. cerevisiae</i>)	-2.65	0.47	0.00
A_51_P363801	NM_023217	Pgpep1	66522	pyroglutamyl-peptidase I	-2.04	0.47	0.02
A_51_P480328	NM_133222	Eld1	170757	EGF, latrophilin seven transmembrane domain containing 1	-2.34	0.47	0.01
A_51_P111595	NM_172516	Dstyk	213452	dual serine/threonine and tyrosine protein kinase	-2.64	0.47	0.00
A_51_P453206	NM_008853	Pja1	18744	praja1, RING-H2 motif containing	-2.75	0.47	0.00
A_52_P678056	NM_172145	Fam176b	230752	family with sequence similarity 176, member B	-2.59	0.47	0.00
A_51_P479408	NM_008317	Hyal1	15586	hyaluronoglucosaminidase 1	-1.61	0.47	0.13
A_52_P54856	BC064081	Fam100a	207740	family with sequence similarity 100, member A	-2.40	0.47	0.00
A_51_P290601	NM_013859	Znhit2	29805	zinc finger, HIT domain containing 2	-2.69	0.47	0.00
A_51_P119401	BC057363	Tug1	544752	taurine upregulated gene 1	-1.49	0.47	0.20
A_52_P835473	AK052259	NA	NA	NA	-1.85	0.47	0.04
A_51_P407683	NM_145540	Ints3	229543	integrator complex subunit 3	-2.03	0.47	0.02
A_51_P170178	NM_146184	B3gnt8	232984	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	-1.40	0.47	0.28
A_51_P104897	NM_080553	Itpr3	16440	inositol 1,4,5-triphosphate receptor 3	-1.41	0.47	0.28
A_51_P155747	NM_028776	Scyl3	240880	SCY1-like 3 (<i>S. cerevisiae</i>)	-2.61	0.47	0.00
A_51_P148314	NM_172543	Fam117a	215512	family with sequence similarity 117, member A	-1.67	0.47	0.10
A_52_P601021	NM_026979	C1qtnf2	69183	C1q and tumor necrosis factor related protein 2	-2.80	0.47	0.00

A_51_P340921	NM_207239	Gtf3c1	233863	general transcription factor III C 1	-2.49	0.47	0.00
A_51_P188666	NM_020619	Mogs	57377	mannosyl-oligosaccharide glucosidase	-2.87	0.47	0.00
A_51_P284233	NM_022999	Prrg2	65116	proline-rich Gla (G-carboxyglutamic acid) polypeptide 2	-2.71	0.47	0.00
A_51_P205545	NM_133930	Crelid1	171508	cysteine-rich with EGF-like domains 1	-2.25	0.47	0.01
A_51_P199008	AK012570	Zfp108	54678	zinc finger protein 108	-2.34	0.47	0.01
A_51_P424558	NM_009567	Zfp93	22755	zinc finger protein 93	-2.47	0.47	0.00
A_52_P159110	AK043258	Zfp276	57247	zinc finger protein (C2H2 type) 276	-1.65	0.47	0.11
A_51_P327141	NM_009539	Zap70	22637	zeta-chain (TCR) associated protein kinase	-2.28	0.47	0.01
A_52_P519689	NM_011306	Rxrb	20182	retinoid X receptor beta	-2.67	0.47	0.00
A_51_P136792	NM_026192	Calcoco1	67488	calcium binding and coiled coil domain 1	-2.14	0.47	0.01
A_51_P291839	NM_183256	2310016M	66379	RIKEN cDNA 2310016M24 gene	-1.73	0.47	0.07
A_52_P521042	NM_153557	BC029214	227622	cDNA sequence BC029214	-2.39	0.47	0.01
A_51_P229633	NM_027434	Rprd1b	70470	regulation of nuclear pre-mRNA domain containing 1B	-1.55	0.47	0.16
A_51_P284318	NM_054082	Mta3	116871	metastasis associated 3	-2.37	0.47	0.01
A_52_P127643	NA	NA	NA	NA	-2.64	0.47	0.00
A_51_P181152	NM_133931	Pot1a	101185	protection of telomeres 1A	-2.05	0.47	0.02
A_52_P477919	NM_138748	Ppp2r4	110854	protein phosphatase 2A, regulatory subunit B (PR 53)	-2.61	0.47	0.00
A_52_P571371	NM_027495	Tmem144	70652	transmembrane protein 144	-2.27	0.47	0.01
A_51_P111562	NM_177620	Rin3	217835	Ras and Rab interactor 3	-2.88	0.47	0.00
A_51_P460954	NM_009139	Ccl6	20305	chemokine (C-C motif) ligand 6	-2.20	0.47	0.01
A_52_P234039	XM_893176	NA	NA	NA	-2.15	0.47	0.01
A_51_P427619	AK145503	Tbx20	57246	T-box 20	-1.37	0.47	0.33
A_51_P342050	NM_010153	ErbB3	13867	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	-2.23	0.47	0.01
A_52_P193362	NM_021430	Rilpl1	75695	Rab interacting lysosomal protein-like 1	-2.51	0.47	0.00
A_52_P144285	NM_175382	Fam72a	108900	family with sequence similarity 72, member A	-2.39	0.47	0.01
A_51_P382214	NM_008998	Rab17	19329	RAB17, member RAS oncogene family	-1.94	0.47	0.03
A_51_P128834	NM_177789	Vsig4	278180	V-set and immunoglobulin domain containing 4 translocase of inner mitochondrial membrane 9	-1.92	0.47	0.04
A_51_P421804	NM_013896	Timm9	30056	homolog (yeast)	-2.36	0.47	0.01
A_51_P249537	NM_173741	Wdr24	268933	WD repeat domain 24	-2.60	0.47	0.00

A_52_P628067	NM_013538	Cdca3	14793	cell division cycle associated 3	-1.47	0.47	0.21
A_52_P322181	CK020710	Adrb1	11554	adrenergic receptor, beta 1	-2.84	0.47	0.00
A_51_P114456	AK018110	2210012G02	66526	RIKEN cDNA 2210012G02 gene	-2.61	0.47	0.00
A_51_P487813	NM_016753	Lxn	17035	latexin	-2.27	0.47	0.01
A_52_P576208	XM_988947	A930018M24	328399	RIKEN cDNA A930018M24 gene	-2.61	0.47	0.00
A_51_P259774	NM_020258	Slc37a2	56857	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	-2.77	0.47	0.00
A_52_P319438	NM_001039	Ankrd37	654824	ankyrin repeat domain 37	-2.05	0.47	0.02
A_51_P461319	NM_025961	Gatm	67092	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	-2.36	0.47	0.01
A_51_P288549	BC016255	Jmjd7	433466	jumonji domain containing 7	-2.17	0.47	0.01
A_51_P427080	NM_001004	Asap2	211914	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	-1.80	0.47	0.05
A_51_P205564	NM_025613	Eid1	58521	EP300 interacting inhibitor of differentiation 1	-2.29	0.47	0.01
A_52_P646312	NM_144920	Plekha5	109135	pleckstrin homology domain containing, family A member 5	-1.60	0.47	0.13
A_52_P674196	NM_181316	Bbs9	319845	Bardet-Biedl syndrome 9 (human)	-2.09	0.47	0.02
A_51_P305731	NM_138303	Yipf2	74766	Yip1 domain family, member 2	-2.13	0.47	0.01
A_51_P155755	AK077214	Plid6	194908	phospholipase D family, member 6	-2.19	0.47	0.01
A_52_P335064	NM_181390	Mustn1	66175	musculoskeletal, embryonic nuclear protein 1	-2.14	0.47	0.01
A_51_P251433	NM_023831	1500035H01	76568	RIKEN cDNA 1500035H01 gene	-2.40	0.47	0.01
A_52_P40975	AK046528	Fam13a	58909	family with sequence similarity 13, member A	-2.03	0.47	0.02
A_51_P499864	NM_134024	Tubg1	103733	tubulin, gamma 1	-2.05	0.47	0.02
A_52_P257547	NM_024179	0610009O20	66839	RIKEN cDNA 0610009O20 gene	-2.54	0.47	0.00
A_51_P319022	NM_009910	Cxcr3	12766	chemokine (C-X-C motif) receptor 3	-2.55	0.47	0.00
A_52_P356245	NM_198616	Ccdc85b	240514	coiled-coil domain containing 85B	-1.95	0.47	0.03
A_52_P633269	NM_198005	Dcaf17	75763	DDB1 and CUL4 associated factor 17	-1.92	0.47	0.03
A_52_P166755	AK171353	Taok3	330177	TAO kinase 3	-1.86	0.47	0.04
A_52_P476560	NM_145853	Tpcn1	252972	two pore channel 1	-2.51	0.47	0.00
A_52_P128968	NM_029342	Nhej1	75570	nonhomologous end-joining factor 1	-2.48	0.47	0.00
A_52_P52816	NM_153515	Ammecr1	225339	AMME chromosomal region gene 1-like	-2.13	0.47	0.01
A_51_P284997	NM_016973	St6galnac6	50935	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	-2.56	0.47	0.00

A_52_P321325	AK161741	Zhx3	320799	zinc fingers and homeoboxes 3	-2.23	0.47	0.01
A_51_P292116	NM_010492	Ica1	15893	islet cell autoantigen 1	-2.15	0.47	0.01
A_51_P280200	NM_009462	Usp10	22224	ubiquitin specific peptidase 10	-2.33	0.47	0.01
A_51_P176505	NM_175109	Rps19bp1	66538	ribosomal protein S19 binding protein 1	-2.22	0.47	0.01
A_51_P354272	AK154925	130000110	74148	RIKEN cDNA 1300001101 gene	-2.72	0.47	0.00
A_52_P420734	BC051474	Rasgrp2	19395	RAS, guanyl releasing protein 2	-2.35	0.47	0.01
A_51_P243623	NM_001037	Brms1l	52592	breast cancer metastasis-suppressor 1-like	-1.89	0.47	0.04
A_52_P353445	NM_028950	Nsun6	74455	NOL1/NOP2/Sun domain family member 6	-2.68	0.47	0.00
A_52_P40212	XM_898905	Tomm5	68512	translocase of outer mitochondrial membrane 5 homolog (yeast)	-1.84	0.47	0.04
A_52_P448466	NM_030561	BC004004	80748	cDNA sequence BC004004	-2.45	0.47	0.00
A_51_P308347	NM_172826	Dact2	240025	dapper homolog 2, antagonist of beta-catenin (xenopus)	-2.70	0.47	0.00
A_51_P488039	NM_011494	Stk16	20872	serine/threonine kinase 16	-2.51	0.47	0.00
A_51_P410286	NM_172132	Kdm4b	193796	lysine (K)-specific demethylase 4B	-2.63	0.47	0.00
A_51_P277718	NM_007683	Cenpc1	12617	centromere protein C1	-2.44	0.47	0.00
A_51_P359122	XM_973716	NA	NA	NA	-1.94	0.47	0.03
A_52_P167735	NA	NA	NA	NA	-2.38	0.47	0.01
A_51_P264673	AK083198	Prlr	19116	prolactin receptor	-1.91	0.47	0.04
A_51_P335770	NM_027373	Afap1	70292	actin filament associated protein 1	-2.34	0.47	0.01
A_52_P449417	BC024687	Vangl1	229658	vang-like 1 (van gogh, Drosophila)	-1.99	0.47	0.03
A_52_P571805	AK014664	4833408D1	73789	RIKEN cDNA 4833408D11 gene	-2.61	0.47	0.00
A_52_P384508	NM_145124	Mib2	76580	mindbomb homolog 2 (Drosophila)	-2.66	0.47	0.00
A_52_P812648	NA	NA	NA	NA	-2.49	0.47	0.00
A_52_P576041	NM_016846	Rgl1	19731	ral guanine nucleotide dissociation stimulator,-like 1	-2.04	0.47	0.02
A_52_P215701	AK133756	Acp2	11432	acid phosphatase 2, lysosomal	-2.50	0.47	0.00
A_52_P185552	NM_198305	Klhl17	231003	kelch-like 17 (Drosophila)	-2.53	0.47	0.00
A_51_P124993	NM_133952	Unc45a	101869	unc-45 homolog A (C. elegans)	-2.57	0.47	0.00
A_52_P163021	NM_182959	Slc17a8	216227	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-1.63	0.47	0.11
A_51_P150722	NM_010748	Lyst	17101	lysosomal trafficking regulator	-1.60	0.47	0.13
A_51_P492742	AK004937	Bbs10	71769	Bardet-Biedl syndrome 10 (human)	-2.28	0.47	0.01
A_52_P683441	NM_007602	Capn5	12337	calpain 5	-2.79	0.47	0.00

A_52_P393392	NM_153526	Insig1	231070	insulin induced gene 1	-2.22	0.47	0.01
A_52_P78373	NM_011366	Sorbs3	20410	sorbin and SH3 domain containing 3	-2.51	0.47	0.00
A_51_P137094	NM_015772	Sall2	50524	sal-like 2 (Drosophila)	-2.77	0.47	0.00
A_52_P686383	AF127140	Fgfr4	14186	fibroblast growth factor receptor 4	-2.39	0.47	0.01
A_52_P250543	AK077686	Zfp367	238673	zinc finger protein 367	-2.67	0.47	0.00
A_51_P291529	AK077428	NA	NA	NA	-2.10	0.47	0.01
A_51_P394558	XM_194371	Dchs1	233651	dachsous 1 (Drosophila)	-2.26	0.47	0.01
A_52_P656845	NM_008639	Mtnr1a	17773	melatonin receptor 1A	-2.36	0.47	0.01
A_51_P124535	NM_008590	Mest	17294	mesoderm specific transcript	-1.98	0.47	0.03
A_52_P557293	NM_015775	Tmprss2	50528	transmembrane protease, serine 2	-2.12	0.47	0.01
A_52_P672232	BC020092	Pnpla6	50767	patatin-like phospholipase domain containing 6	-1.97	0.47	0.03
A_52_P207335	NM_025944	Z810432L1	67063	RIKEN cDNA 2810432L12 gene	-1.88	0.47	0.04
A_51_P270960	BC031532	Ppp2r3a	235542	protein phosphatase 2, regulatory subunit B'', alpha	-2.60	0.46	0.00
A_52_P475423	NM_177678	Ablim2	231148	actin-binding LIM protein 2	-2.87	0.46	0.00
A_52_P593200	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (S. cerevisiae)	-2.14	0.46	0.01
A_52_P534235	NM_011481	Srms	20811	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites	-2.55	0.46	0.00
A_52_P996032	AK041714	A630031M	654438	Riken cDNA A630031M23 gene	-2.31	0.46	0.01
A_51_P436254	AK003775	1110018F1	68594	RIKEN cDNA 1110018F16 gene	-1.99	0.46	0.03
A_52_P467060	AK033702	NA	NA	NA	-2.25	0.46	0.01
A_51_P475689	NM_026972	Cd209b	69165	CD209b antigen	-2.11	0.46	0.01
A_51_P114287	AK077833	Cpsf6	432508	cleavage and polyadenylation specific factor 6	-2.92	0.46	0.00
A_52_P672803	NM_008906	Ctsa	19025	cathepsin A	-2.17	0.46	0.01
A_51_P469252	NM_172817	Zfp647	239546	zinc finger protein 647	-2.51	0.46	0.00
A_52_P585794	NM_177226	Zfp629	320683	zinc finger protein 629	-2.85	0.46	0.00
A_51_P247694	NM_173036	Gpr97	54672	G protein-coupled receptor 97	-2.19	0.46	0.01
A_52_P136264	NM_201406	Pigs	276846	phosphatidylinositol glycan anchor biosynthesis, class S	-1.99	0.46	0.03
A_52_P662216	NM_146157	C230096C1	230866	RIKEN cDNA C230096C10 gene	-2.31	0.46	0.01
A_51_P348665	NM_016894	Ramp1	51801	receptor (calcitonin) activity modifying protein 1	-2.09	0.46	0.02
A_52_P456994	NM_172562	Tada2a	217031	transcriptional adaptor 2A	-2.78	0.46	0.00
A_51_P138830	NM_198108	Morn4	226123	MORN repeat containing 4	-2.37	0.46	0.01
A_52_P77093	NM_028166	1600014C1	172244	RIKEN cDNA 1600014C10 gene	-2.31	0.46	0.01

A_51_P111285	V00830	Krt10	16661	keratin 10	-2.55	0.46	0.00
A_52_P362128	NM_026869	Pygo2	68911	pygopus 2	-2.22	0.46	0.01
A_51_P414518	NM_019682	Dynll1	56455	dynein light chain LC8-type 1	-1.92	0.46	0.03
A_51_P299670	BC060624	Rcc2	108911	regulator of chromosome condensation 2	-2.39	0.46	0.01
A_52_P268720	AK020667	Helz	78455	helicase with zinc finger domain	-2.17	0.46	0.01
A_52_P255849	NM_027773	Fam57a	116972	family with sequence similarity 57, member A	-2.66	0.46	0.00
A_52_P63368	BC066830	Wdr67	210544	WD repeat domain 67	-2.05	0.46	0.02
A_52_P641849	NM_027143	Khynyn	219094	KH and NYN domain containing	-2.62	0.46	0.00
A_51_P437188	NM_026377	6330577E1	67788	RIKEN cDNA 6330577E15 gene	-2.68	0.46	0.00
A_51_P332286	NM_153525	Tmem41b	233724	transmembrane protein 41B	-2.48	0.46	0.00
A_52_P618197	AK143726	Odf2	18286	outer dense fiber of sperm tails 2	-1.80	0.46	0.05
A_51_P384936	NM_027442	Ddo	70503	D-aspartate oxidase	-2.22	0.46	0.01
A_51_P372936	NM_028054	Zfyve19	72008	zinc finger, FYVE domain containing 19	-3.03	0.46	0.00
A_51_P183672	BC006653	MGC7817	620031	hypothetical protein LOC620031	-2.37	0.46	0.01
A_51_P266987	NM_013615	Odf2	18286	outer dense fiber of sperm tails 2	-2.05	0.46	0.02
A_51_P119715	NM_026794	Deb1	26901	differentially expressed in B16F10 1	-2.42	0.46	0.00
A_51_P465600	NM_130879	Usp48	170707	ubiquitin specific peptidase 48	-2.72	0.46	0.00
A_51_P176387	AK077784	Hook3	320191	hook homolog 3 (Drosophila)	-1.32	0.46	0.40
A_51_P492743	AK004937	Bbs10	71769	Bardet-Biedl syndrome 10 (human)	-2.31	0.46	0.01
A_51_P429246	NM_013909	Fbxl6	30840	F-box and leucine-rich repeat protein 6	-2.46	0.46	0.00
A_52_P257987	NM_021549	Pnkp	59047	polynucleotide kinase 3'-phosphatase	-2.81	0.46	0.00
A_52_P386558	AK019982	Tanc2	77097	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	-1.95	0.46	0.03
A_52_P177293	NM_029394	Snx24	69226	sorting nexin 24	-2.13	0.46	0.01
A_52_P459238	NA	NA	NA	NA	-2.76	0.46	0.00
A_52_P678246	BC058761	Upf3b	68134	UPF3 regulator of nonsense transcripts homolog B (yeast)	-2.41	0.46	0.00
A_51_P517215	NM_016719	Grb14	50915	growth factor receptor bound protein 14	-1.85	0.46	0.04
A_51_P110381	NM_144943	Cd207	246278	CD207 antigen	-1.75	0.46	0.07
A_52_P297212	NM_023685	Zkscan3	72739	zinc finger with KRAB and SCAN domains 3	-1.85	0.46	0.04
A_51_P454234	AK154409	130001811	72325	RIKEN cDNA 1300018117 gene	-2.37	0.46	0.01
A_51_P309338	NM_021022	Abcb11	27413	ATP-binding cassette, sub-family B (MDR/TAP), member 11	-2.29	0.46	0.01

A_52_P362033	BC045521	Polr2e	66420	polymerase (RNA) II (DNA directed) polypeptide E	-2.64	0.46	0.00
A_51_P190690	NM_025369	Mrps36	66128	mitochondrial ribosomal protein S36	-2.13	0.46	0.01
A_51_P169886	NM_001039	Nelf	56876	nasal embryonic LHRH factor	-2.47	0.46	0.00
A_51_P349036	NM_172339	Snapc4	227644	small nuclear RNA activating complex, polypeptide 4	-2.09	0.46	0.02
A_51_P143142	NM_027204	Mrpl12	56282	mitochondrial ribosomal protein L12	-2.71	0.46	0.00
A_52_P432787	NM_026794	Deb1	26901	differentially expressed in B16F10 1	-2.66	0.46	0.00
A_51_P200564	NA	NA	NA	NA	-2.61	0.46	0.00
A_51_P242043	NM_053272	Dhcr24	74754	24-dehydrocholesterol reductase	-1.97	0.46	0.03
A_51_P237585	NM_172793	Btnl9	237754	butyrophilin-like 9	-2.58	0.46	0.00
A_51_P282523	NM_054044	Gpr124	78560	G protein-coupled receptor 124	-2.38	0.46	0.01
A_51_P416046	BC020156	Trim41	211007	tripartite motif-containing 41	-2.31	0.46	0.01
A_51_P200044	NM_025349	Lsm7	66094	LSM7 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	-2.61	0.46	0.00
A_51_P106322	NM_134116	Gpsm3	106512	G-protein signalling modulator 3 (AGS3-like, <i>C. elegans</i>)	-2.57	0.46	0.00
A_51_P167562	NM_133362	Erdr1	170942	erythroid differentiation regulator 1	-1.41	0.46	0.27
A_51_P510782	NM_130859	Card10	105844	caspase recruitment domain family, member 10	-1.88	0.46	0.04
A_52_P597134	NM_033134	Inpp5e	64436	inositol polyphosphate-5-phosphatase E	-2.47	0.46	0.00
A_52_P507498	AK011113	Plxnc1	54712	plexin C1	-1.52	0.46	0.18
A_51_P217369	NM_027880	Telo2	71718	TEL2, telomere maintenance 2, homolog (<i>S. cerevisiae</i>)	-2.35	0.46	0.01
A_52_P170754	NM_146045	B4galt7	218271	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I)	-2.38	0.46	0.01
A_51_P357838	XM_128528	BC003965	214489	cDNA sequence BC003965	-2.65	0.46	0.00
A_51_P301508	NM_011385	Ski	20481	ski sarcoma viral oncogene homolog (avian)	-2.40	0.46	0.00
A_51_P425833	NM_033322	Lztf1	93730	leucine zipper transcription factor-like 1	-2.79	0.46	0.00
A_52_P268715	AK020667	Helz	78455	helicase with zinc finger domain	-2.00	0.46	0.02
A_52_P369562	NM_013831	Pstpip2	19201	proline-serine-threonine phosphatase-interacting protein 2	-2.20	0.46	0.01
A_52_P1179742	AK040669	NA	NA	NA	-2.25	0.46	0.01
A_51_P190111	NM_008566	Mcm5	17218	minichromosome maintenance deficient 5, cell division cycle 46 (<i>S. cerevisiae</i>)	-1.93	0.46	0.03

A_51_P494430	NM_031166	Id4	15904	inhibitor of DNA binding 4	-2.83	0.46	0.00
A_51_P282404	NM_013457	Add1	11518	adducin 1 (alpha)	-2.76	0.46	0.00
A_52_P629487	NM_009150	Selenbp1	20341	selenium binding protein 1	-1.46	0.46	0.21
A_52_P627256	AK087889	E330037G1102220		RIKEN cDNA E330037G11 gene	-2.66	0.46	0.00
A_51_P198488	NM_026909	Thap7	69009	THAP domain containing 7	-2.84	0.46	0.00
A_51_P370380	NM_023697	Rdh14	105014	retinol dehydrogenase 14 (all-trans and 9-cis)	-2.66	0.46	0.00
A_51_P308048	NM_027294	Cmtm8	70031	CKLF-like MARVEL transmembrane domain containing 8	-3.00	0.46	0.00
A_52_P265584	AK003102	1810011O169068		RIKEN cDNA 1810011O10 gene solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	-1.45	0.46	0.22
A_51_P467006	NM_026071	Slc25a19	67283	phosphatidylserine synthase 2	-2.31	0.46	0.01
A_51_P185713	NM_013782	Ptdss2	27388	arginine vasopressin-induced 1	-2.58	0.46	0.00
A_51_P261087	NM_027106	Avpi1	69534	B-cell CLL/lymphoma 7C	-1.77	0.46	0.07
A_52_P935906	NM_009746	Bcl7c	12055		-1.78	0.46	0.06
A_51_P461031	NM_172416	Ostm1	14628	osteopetrosis associated transmembrane protein 1	-2.88	0.46	0.00
A_51_P314065	NM_019975	Hacl1	56794	2-hydroxyacyl-CoA lyase 1	-2.32	0.46	0.01
A_51_P145520	NM_023059	Sigirr	24058	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	-2.98	0.46	0.00
A_51_P221535	NM_175287	A430005L197159		RIKEN cDNA A430005L14 gene	-1.98	0.46	0.03
A_51_P394735	NM_133962	Arhgef18	102098	rho/rac guanine nucleotide exchange factor (GEF) 18	-2.18	0.46	0.01
A_52_P73214	NM_172977	Gtf3c4	269252	general transcription factor IIIC, polypeptide 4	-2.34	0.46	0.01
A_51_P447248	NM_175105	Aqp11	66333	aquaporin 11	-1.88	0.46	0.04
A_52_P35164	NM_001024	Trp53i13	216964	transformation related protein 53 inducible protein 13	-2.59	0.46	0.00
A_51_P171107	NM_026239	Tmem35	67564	transmembrane protein 35	-1.50	0.46	0.20
A_52_P384594	AK090134	Anapc1	17222	anaphase promoting complex subunit 1	-2.83	0.46	0.00
A_51_P346747	NM_013919	Usp21	30941	ubiquitin specific peptidase 21	-1.77	0.46	0.06
A_52_P161806	NM_027136	Ovca2	246257	candidate tumor suppressor in ovarian cancer 2	-2.54	0.46	0.00
A_51_P273979	NM_007681	Cenpa	12615	centromere protein A	-2.50	0.46	0.00
A_51_P341349	NM_024433	Mtap	66902	methylthioadenosine phosphorylase	-1.81	0.46	0.05

A_51_P309854	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-1.74	0.46	0.07
A_51_P262421	NM_023645	Kdelc1	72050	KDEL (Lys-Asp-Glu-Leu) containing 1	-2.74	0.46	0.00
A_51_P178022	NM_138752	Plekhg2	101497	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	-3.02	0.46	0.00
A_52_P237899	NM_029432	4930402H2	228602	RIKEN cDNA 4930402H24 gene	-1.97	0.46	0.03
A_52_P411015	AK045150	B130040O2	320962	RIKEN cDNA B130040O20 gene	-1.48	0.46	0.20
A_51_P479321	NM_080575	Acss1	68738	acyl-CoA synthetase short-chain family member 1	-1.63	0.46	0.11
A_51_P118779	NM_172725	C330006K0	231855	RIKEN cDNA C330006K01 gene	-2.60	0.46	0.00
A_52_P411205	BC028536	Gm10055	627270	predicted gene 10055	-1.88	0.46	0.04
A_51_P214663	NM_016785	Tpmt	22017	thiopurine methyltransferase	-2.01	0.46	0.02
A_51_P273667	NM_011441	Sox17	20671	SRY-box containing gene 17	-2.11	0.46	0.01
A_51_P277941	NM_023525	Cad	69719	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-1.25	0.46	0.53
A_52_P673499	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-2.08	0.46	0.02
A_51_P268563	NM_007932	Eng	13805	endoglin	-2.38	0.46	0.01
A_51_P332169	NM_173390	Nhsl1	215819	NHS-like 1	-2.26	0.46	0.01
A_52_P588539	NM_133854	Snapin	20615	SNAP-associated protein	-1.57	0.46	0.15
A_51_P114028	NM_009746	Bcl7c	12055	B-cell CLL/lymphoma 7C	-2.67	0.45	0.00
A_51_P156158	XM_129968	Phlpp1	98432	PH domain and leucine rich repeat protein phosphatase 1	-1.64	0.45	0.11
A_52_P359591	NM_013744	Zfp354b	27274	zinc finger protein 354B	-2.11	0.45	0.01
A_51_P446469	NM_010071	Dok2	13449	docking protein 2	-2.37	0.45	0.01
A_51_P176711	NM_026165	Slc25a46	67453	solute carrier family 25, member 46	-2.60	0.45	0.00
A_51_P346630	NM_175203	4833408A1	173788	RIKEN cDNA 4833408A19 gene	-2.77	0.45	0.00
A_52_P468564	NM_010002	Cyp2c38	13097	cytochrome P450, family 2, subfamily c, polypeptide 38	-1.23	0.45	0.58
A_51_P344399	NM_030259	Rilpl2	80291	Rab interacting lysosomal protein-like 2	-2.99	0.45	0.00
A_52_P405090	BC066818	Polr3g	67486	polymerase (RNA) III (DNA directed) polypeptide G	-1.66	0.45	0.11
A_51_P330226	NM_025901	Polr3k	67005	polymerase (RNA) III (DNA directed) polypeptide K	-2.89	0.45	0.00

A_52_P103981	NM_145589	Prr14	233895	proline rich 14	-1.88	0.45	0.04
A_51_P400773	NM_008233	Hdgfrp2	15193	hepatoma-derived growth factor, related protein 2	-2.79	0.45	0.00
A_51_P476879	NM_172907	Olfml1	244198	olfactomedin-like 1	-2.13	0.45	0.01
A_51_P116298	AK006122	Slc17a9	228993	solute carrier family 17, member 9	-1.63	0.45	0.12
A_52_P401059	NA	NA	NA	NA	-2.60	0.45	0.00
A_52_P676982	AK082111	Vsig10	231668	V-set and immunoglobulin domain containing 10	-1.99	0.45	0.03
A_52_P556804	NA	NA	NA	NA	-2.09	0.45	0.02
A_51_P487244	NM_001003	Adamts7	108153	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 7	-2.12	0.45	0.01
A_51_P240363	NM_026057	Zfp422	67255	zinc finger protein 422	-2.78	0.45	0.00
A_52_P131915	NM_030138	Acap2	78618	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	-2.31	0.45	0.01
A_52_P451355	NM_011372	St6galnac3	20447	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	-2.09	0.45	0.02
A_51_P197883	NM_028457	Dem1	73172	defects in morphology 1 homolog (<i>S. cerevisiae</i>)	-2.23	0.45	0.01
A_51_P281663	NM_172660	D2Wsu81e	227695	DNA segment, Chr 2, Wayne State University 81, expressed	-2.48	0.45	0.00
A_51_P323299	NM_011588	Trim28	21849	tripartite motif-containing 28	-2.54	0.45	0.00
A_51_P384441	NM_177672	Tmem201	230917	transmembrane protein 201	-2.21	0.45	0.01
A_51_P163624	AK044029	Chadl	214685	chondroadherin-like	-2.35	0.45	0.01
A_51_P497563	NM_172269	Vps18	228545	vacuolar protein sorting 18 (yeast)	-2.96	0.45	0.00
A_51_P486618	NM_172398	Akr1b10	67861	aldo-keto reductase family 1, member B10 (aldose reductase)	-1.50	0.45	0.20
A_52_P572537	NM_001005	Mreg	381269	melanoregulin	-2.16	0.45	0.01
A_52_P248764	NM_145475	Cerk	223753	ceramide kinase	-2.36	0.45	0.01
A_52_P237755	NA	NA	NA	NA	-2.40	0.45	0.01
A_52_P206762	NM_026057	Zfp422	67255	zinc finger protein 422	-2.80	0.45	0.00
A_52_P222967	NM_178873	Adck2	57869	aarF domain containing kinase 2	-2.42	0.45	0.00
A_51_P158210	NM_008564	Mcm2	17216	minichromosome maintenance deficient 2 mitotin (<i>S. cerevisiae</i>)	-2.10	0.45	0.02
A_51_P508683	NM_173387	Zfp879	214779	zinc finger protein 879	-2.27	0.45	0.01

A_51_P504478	NM_133835	Ubac1	98766	ubiquitin associated domain containing 1	-2.62	0.45	0.00
A_52_P427134	NM_032544	Gtpbp3	70359	GTP binding protein 3	-2.34	0.45	0.01
A_51_P279552	NM_016900	Cav2	12390	caveolin 2	-2.73	0.45	0.00
A_51_P127215	AK033655	Sesn3	75747	sestrin 3	-3.02	0.45	0.00
A_51_P498093	NM_008235	Hes1	15205	hairy and enhancer of split 1 (Drosophila)	-1.66	0.45	0.11
A_52_P574945	AK048993	1500026H169002		RIKEN cDNA 1500026H17 gene	-2.13	0.45	0.01
A_52_P374314	NA	NA	NA	NA	-2.76	0.45	0.00
A_51_P232371	NM_138672	Stab1	192187	stabilin 1	-2.56	0.45	0.00
				solute carrier family 2 (facilitated glucose transporter),			
A_51_P217498	NM_009204	Slc2a4	20528	member 4	-1.61	0.45	0.13
A_51_P348592	NM_172758	Slc38a7	234595	solute carrier family 38, member 7	-2.33	0.45	0.01
A_52_P72718	NM_029985	Lrrc42	77809	leucine rich repeat containing 42	-2.01	0.45	0.02
A_51_P118704	NM_007823	Cyp4b1	13120	cytochrome P450, family 4, subfamily b, polypeptide 1	-2.11	0.45	0.01
A_51_P118671	XM_992408	NA	NA	NA	-2.06	0.45	0.02
A_51_P202857	NM_025866	Cdca7	66953	cell division cycle associated 7	-2.54	0.45	0.00
A_52_P196105	NM_175274	Ttyh3	78339	tweety homolog 3 (Drosophila)	-2.50	0.45	0.00
A_52_P32502	AK144564	Ccdc58	381045	coiled-coil domain containing 58	-2.10	0.45	0.01
A_51_P236042	NM_008874	Plcb3	18797	phospholipase C, beta 3	-2.11	0.45	0.01
A_51_P125648	AK153937	Vwce	71768	von Willebrand factor C and EGF domains	-2.64	0.45	0.00
A_52_P290020	NM_152801	Arhgef6	73341	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	-2.28	0.45	0.01
A_52_P351982	NM_178347	Cdc23	52563	CDC23 (cell division cycle 23, yeast, homolog)	-2.48	0.45	0.00
A_52_P121192	NM_145613	C1qtnf5	235312	C1q and tumor necrosis factor related protein 5	-2.08	0.45	0.02
A_51_P214557	NM_010959	Oit3	18302	oncoprotein induced transcript 3	-2.49	0.45	0.00
A_51_P434198	NM_024213	Anapc4	52206	anaphase promoting complex subunit 4	-2.25	0.45	0.01
A_51_P255373	AK077895	2810013P067206		RIKEN cDNA 2810013P06 gene	-2.23	0.45	0.01
A_52_P614472	NM_028009	Rpusd1	106707	RNA pseudouridylate synthase domain containing 1	-2.98	0.45	0.00
A_52_P236619	AK050412	181000811873625		RIKEN cDNA 1810008118 gene	-1.71	0.45	0.09
A_51_P262757	NM_001077	Plin5	66968	perilipin 5	-1.90	0.45	0.04
A_52_P27496	NM_198423	Bahcc1	268515	BAH domain and coiled-coil containing 1	-2.55	0.45	0.00
A_51_P464394	NM_031180	Klb	83379	klotho beta	-1.81	0.45	0.05
A_51_P221972	NM_027446	Fam86	70511	family with sequence similarity 86	-2.82	0.45	0.00

A_51_P266644	NM_001013: Sesn1	140742	sestrin 1	-1.76	0.45	0.07
A_51_P105810	NM_148928 Gtf3c5	70239	general transcription factor IIIC, polypeptide 5	-2.64	0.45	0.00
A_51_P115988	NM_024480 Sh3bp5l	79566	SH3 binding domain protein 5 like	-1.10	0.45	0.91
A_51_P237752	NM_008986 Ptrf	19285	polymerase I and transcript release factor	-2.08	0.45	0.02
A_51_P285217	BC031575 4921513D2223989		RIKEN cDNA 4921513D23 gene	-2.22	0.45	0.01
A_51_P169374	NM_027172 2310046K069698		RIKEN cDNA 2310046K01 gene	-1.46	0.45	0.22
A_52_P545613	NM_010187 Fcgr2b	14130	Fc receptor, IgG, low affinity IIb	-1.16	0.45	0.77
A_52_P444457	NM_026828 Dnlz	52838	DNL-type zinc finger	-2.57	0.45	0.00
A_52_P273098	NM_018861 Slc1a4	55963	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	-2.04	0.45	0.02
A_52_P138723	NM_153799 Edc3	353190	enhancer of mRNA decapping 3 homolog (<i>S. cerevisiae</i>)	-2.24	0.45	0.01
A_52_P150903	AK041002 Tubb6	67951	tubulin, beta 6	-2.17	0.45	0.01
A_51_P401876	NM_028197 2510003E072320		RIKEN cDNA 2510003E04 gene	-2.46	0.45	0.00
A_51_P509223	NM_145760 Arfgap1	228998	ADP-ribosylation factor GTPase activating protein 1	-2.07	0.45	0.02
A_52_P479377	NM_172725 C330006K0231855		RIKEN cDNA C330006K01 gene	-2.71	0.45	0.00
A_52_P336768	XM_137057 NA	NA	NA	-2.08	0.45	0.02
A_52_P245620	BB009967 NA	NA	NA	-2.24	0.45	0.01
A_51_P438640	NM_030138 Acap2	78618	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	-2.03	0.45	0.02
A_52_P661029	NM_177392 Tmem220	338369	transmembrane protein 220	-2.98	0.45	0.00
A_51_P222071	NM_153088 Ctdsp1	227292	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	-2.18	0.45	0.01
A_51_P468780	NM_025812 Hmg20a	66867	high mobility group 20A	-3.18	0.45	0.00
A_51_P334789	NM_029385 Nudt16	75686	nudix (nucleoside diphosphate linked moiety X)-type motif 16	-2.38	0.45	0.01
A_51_P213045	NM_022315 Smoc2	64074	SPARC related modular calcium binding 2	-1.66	0.45	0.11
A_51_P352283	BC043107 Cyb561d1	72023	cytochrome b-561 domain containing 1	-2.49	0.45	0.00
A_51_P322273	NM_008975 Ptp4a3	19245	protein tyrosine phosphatase 4a3	-2.75	0.45	0.00
A_51_P367395	NM_138583 D16H22S68E27883		DNA segment, Chr 16, human D22S680E, expressed	-2.79	0.45	0.00
A_52_P532957	NM_001024 Zfp667	384763	zinc finger protein 667	-2.31	0.45	0.01
A_52_P615312	NM_173757 Mrps27	218506	mitochondrial ribosomal protein S27	-2.47	0.45	0.00

A_52_P239536	NM_181595	Ppp1r9a	243725	protein phosphatase 1, regulatory (inhibitor) subunit 9A	-2.08	0.45	0.02
A_52_P548121	NM_178869	Ttll1	319953	tubulin tyrosine ligase-like 1	-2.40	0.45	0.00
A_52_P361462	NM_174870	Slc26a1	231583	solute carrier family 26 (sulfate transporter), member 1	-2.97	0.44	0.00
A_51_P148573	NM_009879	Ift81	12589	intraflagellar transport 81 homolog (Chlamydomonas)	-2.47	0.44	0.00
A_52_P456750	NM_177583	Aph1b	208117	anterior pharynx defective 1b homolog (C. elegans)	-2.58	0.44	0.00
A_52_P450188	NM_133215	Mtmr4	170749	myotubularin related protein 4	-3.16	0.44	0.00
A_51_P520106	NM_133883	Adprhl2	100206	ADP-ribosylhydrolase like 2	-2.26	0.44	0.01
A_52_P325116	BC070451	Gramd1b	235283	GRAM domain containing 1B	-2.25	0.44	0.01
A_51_P504442	NM_026175	Sf3a1	67465	splicing factor 3a, subunit 1	-2.59	0.44	0.00
A_51_P455241	NM_144857	BC011248	224823	cDNA sequence BC011248	-3.32	0.44	0.00
A_52_P258250	AK050742	B230217O1	320879	RIKEN cDNA B230217O12 gene	-2.70	0.44	0.00
A_51_P222522	NM_023403	Mesdc2	67943	mesoderm development candidate 2	-2.36	0.44	0.01
A_51_P114353	NM_145582	Ctu1	233189	cytosolic thiouridylase subunit 1 homolog (S. pombe)	-2.56	0.44	0.00
A_51_P472799	NM_027184	Ipmk	69718	inositol polyphosphate multikinase	-2.43	0.44	0.00
A_52_P19245	NM_022887	Tsc1	64930	tuberous sclerosis 1	-2.09	0.44	0.02
A_51_P351883	NM_030180	Usp54	78787	ubiquitin specific peptidase 54	-2.88	0.44	0.00
A_52_P236705	NM_133229	Ripply3	170765	rippy3 homolog (zebrafish)	-3.01	0.44	0.00
A_51_P201638	NM_011676	Unc119	22248	unc-119 homolog (C. elegans)	-2.14	0.44	0.01
A_51_P451758	BC020147	Rab3il1	74760	RAB3A interacting protein (rabin3)-like 1	-2.11	0.44	0.01
A_51_P438527	NM_028057	Cyb5r1	72017	cytochrome b5 reductase 1	-2.85	0.44	0.00
A_51_P495767	NM_011948	Map3k4	26407	mitogen-activated protein kinase kinase kinase 4	-3.40	0.44	0.00
A_51_P149534	NM_026485	Trabd	67976	TraB domain containing	-2.22	0.44	0.01
A_51_P336635	NM_134014	Xpo1	103573	exportin 1, CRM1 homolog (yeast)	-2.78	0.44	0.00
A_52_P228667	AK044329	A930004D1	77940	RIKEN cDNA A930004D18 gene	-2.45	0.44	0.00
A_51_P170911	NM_019651	Ptpn9	56294	protein tyrosine phosphatase, non-receptor type 9	-1.74	0.44	0.07
A_52_P383850	NM_020032	Poll	56626	polymerase (DNA directed), lambda	-2.27	0.44	0.01
A_52_P973604	BC045521	Polr2e	66420	polymerase (RNA) II (DNA directed) polypeptide E	-2.92	0.44	0.00

A_52_P598	NM_011919	Ing1	26356	inhibitor of growth family, member 1	-2.13	0.44	0.01
A_52_P465809	XM_896131	NA	NA	NA	-2.30	0.44	0.01
A_51_P454691	AK160693	4930430F0	68281	RIKEN cDNA 4930430F08 gene	-2.62	0.44	0.00
A_52_P654130	NM_010952	Oaz2	18247	ornithine decarboxylase antizyme 2	-2.87	0.44	0.00
A_51_P155574	NM_008989	Pura	19290	purine rich element binding protein A	-2.82	0.44	0.00
A_51_P185846	NM_017470	Dnalc4	54152	dynein, axonemal, light chain 4	-2.54	0.44	0.00
A_51_P503433	NM_080555	Ppap2b	67916	phosphatidic acid phosphatase type 2B	-2.41	0.44	0.00
A_51_P370090	NM_008808	Pdgfa	18590	platelet derived growth factor, alpha	-1.92	0.44	0.04
A_52_P402319	NM_020048	Med20	56771	mediator complex subunit 20	-2.62	0.44	0.00
A_51_P308447	AK087556	Sae1	56459	SUMO1 activating enzyme subunit 1	-2.09	0.44	0.02
A_51_P466824	NM_018793	Tyk2	54721	tyrosine kinase 2	-2.65	0.44	0.00
A_51_P490136	NM_011896	Spry1	24063	sprouty homolog 1 (Drosophila)	-2.04	0.44	0.02
A_51_P404067	NM_020048	Med20	56771	mediator complex subunit 20	-2.43	0.44	0.00
A_51_P366501	NM_019951	Sec11a	56529	SEC11 homolog A (S. cerevisiae)	-2.27	0.44	0.01
A_52_P109098	NM_027946	Dcaf7	71833	DDB1 and CUL4 associated factor 7	-1.59	0.44	0.14
A_51_P196127	NM_011863	Papss1	23971	3'-phosphoadenosine 5'-phosphosulfate synthase 1	-2.53	0.44	0.00
A_52_P505192	NM_010947	Ntn3	18209	netrin 3	-1.25	0.44	0.55
A_51_P380401	AK009937	Cars2	71941	cysteinyl-tRNA synthetase 2 (mitochondrial)(putative)	-2.96	0.44	0.00
A_51_P173212	NM_144500	Osbpl2	228983	oxysterol binding protein-like 2	-3.07	0.44	0.00
A_51_P150555	NM_053197	Sfxn3	94280	sideroflexin 3	-2.57	0.44	0.00
A_51_P485731	NM_031393	Sytl1	269589	synaptotagmin-like 1	-1.86	0.44	0.04
A_51_P366867	X59728	Gas5	14455	growth arrest specific 5	-2.08	0.44	0.02
A_51_P311166	NM_011398	Slc25a14	20523	solute carrier family 25 (mitochondrial carrier, brain), member 14	-2.23	0.44	0.01
A_52_P125550	NM_007485	Rhod	11854	ras homolog gene family, member D	-2.54	0.44	0.00
A_51_P502892	NM_008688	Nfic	18029	nuclear factor I/C	-1.93	0.44	0.03
A_52_P542013	BC057368	Dock6	319899	dedicator of cytokinesis 6	-2.91	0.44	0.00
A_51_P128096	NM_016878	Dnpep	13437	aspartyl aminopeptidase	-2.51	0.44	0.00
A_52_P276302	AK220545	Tshz1	110796	teashirt zinc finger family member 1	-2.65	0.44	0.00
A_52_P498985	NM_172993	Zfp512	269639	zinc finger protein 512	-3.05	0.44	0.00
A_51_P339344	NM_029025	Tmem81	74626	transmembrane protein 81	-2.28	0.44	0.01
A_51_P141413	NM_010796	Clec10a	17312	C-type lectin domain family 10, member A	-1.81	0.44	0.05

A_52_P538170	XM_132817	NA	NA	NA	-1.90	0.44	0.04
A_51_P245393	NM_145993	L3mbtl2	214669	l(3)mbt-like 2 (Drosophila)	-2.43	0.44	0.00
A_51_P155303	NM_199197	1110032A1	68731	RIKEN cDNA 1110032A13 gene	-2.36	0.44	0.01
A_51_P158584	NM_020032	Poll	56626	polymerase (DNA directed), lambda	-2.72	0.44	0.00
A_51_P370470	NM_030013	Cyp20a1	77951	cytochrome P450, family 20, subfamily A, polypeptide 1	-1.84	0.44	0.04
A_52_P71105	NM_133210	Sertad3	170742	SERTA domain containing 3	-2.18	0.44	0.01
A_52_P217604	NM_182996	Zfp692	103836	zinc finger protein 692	-1.72	0.44	0.07
A_52_P456977	NM_016874	Deaf1	54006	(Drosophila)	-2.85	0.44	0.00
A_51_P383459	NM_021491	Smpd3	58994	sphingomyelin phosphodiesterase 3, neutral	-1.90	0.44	0.04
A_52_P164161	NM_020010	Cyp51	13121	cytochrome P450, family 51	-1.99	0.44	0.03
A_51_P190437	NM_029115	4930455F2	74895	RIKEN cDNA 4930455F23 gene	-2.44	0.44	0.00
A_51_P291460	NM_001037	NA	NA	NA	-1.85	0.44	0.04
A_52_P571419	NA	NA	NA	NA	-1.47	0.44	0.21
A_51_P465273	NM_001029	Mett11d1	52535	methyltransferase 11 domain containing 1	-2.39	0.44	0.01
A_52_P205572	NM_019929	Sumo3	20610	SMT3 suppressor of mif two 3 homolog 3 (yeast)	-2.87	0.44	0.00
A_51_P455906	NM_027196	Pold4	69745	polymerase (DNA-directed), delta 4	-2.72	0.44	0.00
A_52_P547486	NM_016739	Caprin1	53872	cell cycle associated protein 1	-1.59	0.44	0.14
A_51_P208020	AK004783	Ulk3	71742	unc-51-like kinase 3 (C. elegans)	-2.63	0.44	0.00
A_52_P309494	NM_025905	Ttc23	67009	tetratricopeptide repeat domain 23	-2.81	0.44	0.00
A_51_P502614	NM_026268	Dusp6	67603	dual specificity phosphatase 6	-2.09	0.44	0.02
A_52_P57101	NM_010804	Mllt10	17354	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10	-2.17	0.44	0.01
A_52_P1164839	NM_194268	Onecut2	225631	one cut domain, family member 2	-2.08	0.44	0.02
A_51_P322906	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-2.82	0.44	0.00
A_51_P423666	NM_015796	Fbxo17	50760	F-box protein 17	-2.78	0.44	0.00
A_52_P113190	NM_053214	Myo1f	17916	myosin IF	-2.96	0.44	0.00
A_52_P282700	NM_020256	Zbtb33	56805	zinc finger and BTB domain containing 33	-2.49	0.44	0.00
A_52_P409731	NM_020270	Scamp5	56807	secretory carrier membrane protein 5	-2.26	0.44	0.01
A_51_P484200	NM_153777	Lrrc56	70552	leucine rich repeat containing 56	-2.76	0.44	0.00
A_52_P122664	NM_010264	Nr6a1	14536	nuclear receptor subfamily 6, group A, member 1	-2.69	0.44	0.00

A_52_P55661	NM_177870	Slc5a6	330064	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-1.99	0.44	0.03
A_52_P167114	NM_130454	Recql5	170472	RecQ protein-like 5	-2.77	0.44	0.00
A_51_P277153	XM_139129	NA	NA	NA	-2.05	0.44	0.02
A_52_P140005	XM_355676	NA	NA	NA	-1.18	0.44	0.67
A_52_P59784	AK051199	Grasp	56149	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	-2.35	0.44	0.01
A_52_P613528	NM_027218	Clec4b1	69810	C-type lectin domain family 4, member b1	-2.17	0.44	0.01
A_52_P270164	NM_033270	E2f6	50496	E2F transcription factor 6	-2.64	0.44	0.00
A_51_P240067	NM_177462	Zmym6	100177	zinc finger, MYM-type 6	-2.35	0.44	0.01
A_52_P358093	BC094565	Fbxo10	269529	F-box protein 10	-2.47	0.44	0.00
A_52_P630563	NM_027652	D5Wsu178	28042	DNA segment, Chr 5, Wayne State University 178, expressed	-2.42	0.43	0.00
A_51_P196973	NM_013733	Chaf1a	27221	chromatin assembly factor 1, subunit A (p150)	-2.21	0.43	0.01
A_52_P387564	AK198605	NA	NA	NA	-2.23	0.43	0.01
A_52_P470373	NM_008702	Nlk	18099	nemo like kinase	-2.12	0.43	0.01
A_51_P133670	NM_026129	Erp29	67397	endoplasmic reticulum protein 29	-2.72	0.43	0.00
A_52_P188139	NM_011305	Rxra	20181	retinoid X receptor alpha	-3.16	0.43	0.00
A_51_P462862	NM_145557	9430015G1	230996	RIKEN cDNA 9430015G10 gene	-3.13	0.43	0.00
A_51_P274173	Z19521	Ldlr	16835	low density lipoprotein receptor	-2.00	0.43	0.02
A_52_P547612	NM_178715	Tmem30b	238257	transmembrane protein 30B	-2.13	0.43	0.01
A_52_P257472	BC025846	Prr12	233210	proline rich 12	-3.06	0.43	0.00
A_52_P228171	NM_027652	D5Wsu178	28042	DNA segment, Chr 5, Wayne State University 178, expressed	-2.85	0.43	0.00
A_52_P981179	NA	NA	NA	NA	-2.45	0.43	0.00
A_51_P181851	NM_144872	Eml3	225898	echinoderm microtubule associated protein like 3	-2.84	0.43	0.00
A_52_P514488	NM_177788	Exoc3l	277978	exocyst complex component 3-like	-3.11	0.43	0.00
A_51_P263310	NM_019814	Higd1a	56295	HIG1 domain family, member 1A	-3.23	0.43	0.00
A_51_P303728	NM_172575	Zfp277	246196	zinc finger protein 277	-2.85	0.43	0.00
A_51_P320401	NM_009000	Rab24	19336	RAB24, member RAS oncogene family	-2.48	0.43	0.00
A_52_P204595	BC059053	Papd5	214627	PAP associated domain containing 5	-2.61	0.43	0.00
A_52_P567469	NM_178420	NlrX1	270151	NLR family member X1	-2.37	0.43	0.01
A_52_P161400	NM_178612	Cnpy4	66455	canopy 4 homolog (zebrafish)	-2.34	0.43	0.01

A_52_P225584	NM_026185	Abhd15	67477	abhydrolase domain containing 15	-2.73	0.43	0.00
A_52_P138656	NM_008854	Prkaca	18747	protein kinase, cAMP dependent, catalytic, alpha	-3.07	0.43	0.00
A_51_P313566	NM_019390	Lmna	16905	lamin A	-2.46	0.43	0.00
A_51_P238563	NM_026212	Agpat2	67512	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-2.60	0.43	0.00
A_51_P170641	NM_030246	Dcaf4	73828	DDB1 and CUL4 associated factor 4	-2.87	0.43	0.00
A_52_P157408	NM_010952	Oaz2	18247	ornithine decarboxylase antizyme 2	-3.13	0.43	0.00
A_51_P235644	NM_054057	Prosc	114863	proline synthetase co-transcribed	-1.80	0.43	0.06
A_51_P151433	NM_026554	Ncbp2	68092	nuclear cap binding protein subunit 2	-2.72	0.43	0.00
A_52_P43869	NM_153525	Tmem41b	233724	transmembrane protein 41B	-2.89	0.43	0.00
A_52_P240453	NM_025901	Polr3k	67005	polymerase (RNA) III (DNA directed) polypeptide K	-1.84	0.43	0.04
A_52_P61811	AK199797	Nosip	66394	nitric oxide synthase interacting protein	-3.13	0.43	0.00
A_52_P1037467	AK078794	NA	NA	NA	-2.76	0.43	0.00
A_51_P461504	NM_007908	Eef2k	13631	eukaryotic elongation factor-2 kinase	-2.49	0.43	0.00
A_52_P351418	NM_134091	Sgsm3	105835	small G protein signaling modulator 3	-2.65	0.43	0.00
A_51_P400909	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-2.36	0.43	0.01
A_52_P272348	NA	NA	NA	NA	-2.37	0.43	0.01
A_52_P304105	NA	NA	NA	NA	-2.67	0.43	0.00
A_51_P106397	NM_029239	Prkd3	75292	protein kinase D3	-1.80	0.43	0.06
A_52_P557249	NM_025626	Fam107b	66540	family with sequence similarity 107, member B	-2.21	0.43	0.01
A_51_P339713	NM_207207	Mrps26	99045	mitochondrial ribosomal protein S26	-2.28	0.43	0.01
A_52_P159050	BC059776	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-2.81	0.43	0.00
A_51_P285960	NM_018758	Apba3	57267	amyloid beta (A4) precursor protein-binding, family A, member 3	-2.62	0.43	0.00
A_52_P16102	NM_023525	Cad	69719	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-1.95	0.43	0.03
A_51_P482508	AK033099	Sc4mol	66234	sterol-C4-methyl oxidase-like	-2.10	0.43	0.02
A_52_P51479	NM_178709	Rnf214	235315	ring finger protein 214	-2.63	0.43	0.00
A_51_P160344	AK014046	Cenpv	73139	centromere protein V	-2.67	0.43	0.00
A_52_P365005	NM_020625	Zbtb22	81630	zinc finger and BTB domain containing 22	-2.61	0.43	0.00
A_52_P566718	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-2.43	0.43	0.00

A_51_P130101	NM_001077: Fcgr2b	14130	Fc receptor, IgG, low affinity IIb	-1.43	0.43	0.24
A_52_P677147	NM_013768 Prmt5	27374	protein arginine N-methyltransferase 5	-2.91	0.43	0.00
A_51_P222475	NM_053252 Ehbp1l1	114601	EH domain binding protein 1-like 1	-2.56	0.43	0.00
A_52_P539434	NM_029999 Lbh	77889	limb-bud and heart	-2.12	0.43	0.01
A_51_P205779	NM_009690 Cd5l	11801	CD5 antigen-like	-2.48	0.43	0.00
A_51_P406638	NM_011258 Rfc1	19687	replication factor C (activator 1) 1	-2.84	0.43	0.00
A_52_P300863	NM_178791 E130203B1	320736	RIKEN cDNA E130203B14 gene	-2.85	0.43	0.00
A_51_P216108	NM_146244 Rps6kl1	238323	ribosomal protein S6 kinase-like 1	-2.42	0.43	0.00
A_51_P257258	NM_007757 Cpox	12892	coproporphyrinogen oxidase	-2.26	0.43	0.01
A_51_P138502	BC002262 Ttc28	209683	tetratricopeptide repeat domain 28	-2.73	0.43	0.00
A_51_P363588	NM_012048 Polk	27015	polymerase (DNA directed), kappa	-2.77	0.43	0.00
A_52_P293724	NM_025510 2310004I2	66358	RIKEN cDNA 2310004I24 gene	-2.95	0.43	0.00
A_52_P372062	NM_133695 NA	NA	NA	-3.01	0.43	0.00
A_51_P140460	NM_029394 Snx24	69226	sorting nexin 24	-2.52	0.43	0.00
A_51_P476492	XM_893473 NA	NA	NA	-2.02	0.43	0.02
A_51_P364432	NM_024256 B3gat3	72727	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-3.12	0.43	0.00
A_51_P382928	NM_145529 Cstf3	228410	cleavage stimulation factor, 3' pre-RNA, subunit 3	-2.25	0.43	0.01
A_51_P261585	NM_153796 Peo1	226153	progressive external ophthalmoplegia 1 (human)	-2.69	0.43	0.00
A_51_P313855	NM_183408 Pde4a	18577	phosphodiesterase 4A, cAMP specific	-3.01	0.43	0.00
A_52_P258606	AK081980 Prdx6	11758	peroxiredoxin 6	-2.50	0.43	0.00
A_51_P521010	NM_016854 Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-1.61	0.43	0.13
A_52_P370476	BC043039 Msl1	74026	male-specific lethal 1 homolog (Drosophila)	-2.61	0.43	0.00
A_52_P632567	NM_172860 Cbfa2t2	12396	core-binding factor, runt domain, alpha subunit 2, translocated to, 2 (human)	-3.05	0.43	0.00
A_52_P588051	XM_977462 Znf512b	269401	zinc finger protein 512B	-2.84	0.43	0.00
A_51_P259358	NM_181417 Csrp2bp	228714	cysteine and glycine-rich protein 2 binding protein	-3.12	0.43	0.00
A_52_P62223	NM_009163 Sgpl1	20397	sphingosine phosphate lyase 1	-3.21	0.43	0.00
A_51_P289353	NM_032544 Gtpbp3	70359	GTP binding protein 3	-2.05	0.43	0.02
A_51_P505156	NM_138306 Dgkz	104418	diacylglycerol kinase zeta	-3.03	0.43	0.00
A_51_P106527	NM_026633 Fam195a	68241	family with sequence similarity 195, member A	-2.54	0.43	0.00

A_52_P285992	NM_023854	Arfgap2	77038	ADP-ribosylation factor GTPase activating protein 2	-2.69	0.43	0.00
A_52_P82532	NM_009746	Bcl7c	12055	B-cell CLL/lymphoma 7C	-2.12	0.43	0.01
A_51_P472630	BC028539	H2afv	77605	H2A histone family, member V	-2.81	0.43	0.00
A_52_P319199	NM_145154	Angptl6	70726	angiopoietin-like 6	-2.39	0.43	0.01
A_52_P384310	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-2.49	0.43	0.00
A_51_P104727	NM_153078	Ehbp1	216565	EH domain binding protein 1	-2.60	0.43	0.00
A_51_P325124	NM_177583	Aph1b	208117	anterior pharynx defective 1b homolog (C. elegans)	-2.61	0.43	0.00
A_51_P283083	NM_028840	Armc1	74252	armadillo repeat containing 1	-2.38	0.43	0.01
A_51_P106538	NM_030127	Htra3	78558	HtrA serine peptidase 3	-1.83	0.43	0.05
A_51_P406281	NM_026741	Zfp579	68490	zinc finger protein 579	-2.61	0.43	0.00
A_51_P238565	NM_026212	Agpat2	67512	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-2.60	0.43	0.00
A_51_P494825	BC082308	Mfhas1	52065	malignant fibrous histiocytoma amplified sequence 1	-2.89	0.43	0.00
A_51_P488399	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-2.23	0.43	0.01
A_52_P277322	AK084607	2310008H09	66356	RIKEN cDNA 2310008H09 gene	-2.34	0.43	0.01
A_52_P128964	NM_029342	Nhej1	75570	nonhomologous end-joining factor 1	-2.81	0.43	0.00
A_51_P130095	NM_001077	Fcgr2b	14130	Fc receptor, IgG, low affinity IIb	-1.69	0.43	0.09
A_52_P301035	NM_173445	Rccd1	269955	RCC1 domain containing 1	-2.88	0.43	0.00
A_51_P403799	NM_021287	Spnb3	20743	spectrin beta 3	-2.50	0.43	0.00
A_52_P674803	NM_015801	Pnpla6	50767	patatin-like phospholipase domain containing 6	-2.85	0.43	0.00
A_52_P543869	NM_029031	Shpk	74637	sedoheptulokinase	-1.51	0.43	0.18
A_52_P174872	AK028820	C030015A1	177418	RIKEN cDNA C030015A19 gene	-2.49	0.43	0.00
A_51_P130332	NM_028306	Hspa12b	72630	heat shock protein 12B	-2.57	0.43	0.00
A_52_P640694	AK122226	Rims3	242662	regulating synaptic membrane exocytosis 3	-2.52	0.43	0.00
A_51_P331831	NM_001042	Hvcn1	74096	hydrogen voltage-gated channel 1	-3.01	0.42	0.00
A_52_P134075	NM_024289	Osbpl5	79196	oxysterol binding protein-like 5	-2.62	0.42	0.00
A_51_P137236	NM_019498	Olfm1	56177	olfactomedin 1	-2.61	0.42	0.00
A_51_P283344	NM_025956	1700011H14	167082	RIKEN cDNA 1700011H14 gene	-1.47	0.42	0.21
A_51_P431018	NM_019414	Selenbp2	20342	selenium binding protein 2	-1.23	0.42	0.55
A_51_P196663	XM_898059	NA	NA	NA	-1.80	0.42	0.05

A_52_P201972	AK037342	Zfp148	22661	zinc finger protein 148	-2.12	0.42	0.01
A_51_P157677	NM_016798	Pdlim3	53318	PDZ and LIM domain 3	-1.14	0.42	0.82
A_51_P344046	NM_134029	Nt5m	103850	5',3'-nucleotidase, mitochondrial	-2.99	0.42	0.00
A_51_P133582	NM_007625	Cbx4	12418	chromobox homolog 4 (Drosophila Pc class)	-2.71	0.42	0.00
A_51_P292447	NM_146219	Klhl36	234796	kelch-like 36 (Drosophila)	-2.68	0.42	0.00
A_52_P281172	BC056501	Slc45a4	106068	solute carrier family 45, member 4	-2.72	0.42	0.00
A_52_P352277	NM_016769	Smad3	17127	MAD homolog 3 (Drosophila)	-2.28	0.42	0.01
A_51_P273468	AK018450	8430429K0	71523	RIKEN cDNA 8430429K09 gene	-1.51	0.42	0.18
A_51_P483908	NM_007835	Dctn1	13191	dynactin 1	-2.66	0.42	0.00
A_51_P450752	BC098210	NA	NA	NA	-2.57	0.42	0.00
A_51_P518001	NM_145365	Creb3l3	208677	cAMP responsive element binding protein 3-like 3	-2.35	0.42	0.01
A_52_P628369	NM_173427	Klhd7a	242721	kelch domain containing 7A	-2.43	0.42	0.00
A_52_P469502	NM_028176	Cda	72269	cytidine deaminase	-1.57	0.42	0.15
A_51_P283473	NM_026271	Fibin	67606	fin bud initiation factor homolog (zebrafish)	-2.32	0.42	0.01
A_52_P228437	AK088871	Mbnl1	56758	muscleblind-like 1 (Drosophila)	-1.09	0.42	0.97
A_52_P595619	NM_197989	Fam58b	69109	family with sequence similarity 58, member B	-2.05	0.42	0.02
A_51_P386899	NM_145447	Mfsd7c	217721	major facilitator superfamily domain containing 7C	-2.44	0.42	0.00
A_51_P488646	NM_009755	Bmp1	12153	bone morphogenetic protein 1	-2.42	0.42	0.00
A_52_P602987	BC096586	Prlr	19116	prolactin receptor	-2.02	0.42	0.02
A_51_P303231	M63659	Gna12	14673	guanine nucleotide binding protein, alpha 12	-1.84	0.42	0.04
A_51_P221008	BC070451	Gramd1b	235283	GRAM domain containing 1B	-2.65	0.42	0.00
A_52_P536481	NM_020619	Mogs	57377	mannosyl-oligosaccharide glucosidase	-2.62	0.42	0.00
A_52_P259174	XM_001005	NA	NA	NA	-1.46	0.42	0.21
A_51_P215097	NM_078477	Klf16	118445	Kruppel-like factor 16	-2.72	0.42	0.00
A_51_P107433	NM_053162	Mrpl34	94065	mitochondrial ribosomal protein L34	-3.37	0.42	0.00
A_51_P337598	XM_485677	NA	NA	NA	-2.51	0.42	0.00
A_51_P159415	NM_011378	Sin3a	20466	transcriptional regulator, SIN3A (yeast)	-3.25	0.42	0.00
A_52_P658073	AK045575	Tef	21685	thyrotroph embryonic factor	-2.63	0.42	0.00
A_51_P324161	XM_132817	NA	NA	NA	-2.11	0.42	0.01
A_52_P318040	NA	NA	NA	NA	-2.39	0.42	0.01
A_52_P817975	BY711602	NA	NA	NA	-2.69	0.42	0.00

A_52_P460703	NM_138956	Rassf3	192678	Ras association (RalGDS/AF-6) domain family member 3	-2.61	0.42	0.00
A_52_P860487	NA	NA	NA	NA	-2.09	0.42	0.02
A_52_P86003	NM_001037	Tomm40l	641376	translocase of outer mitochondrial membrane 40 homolog-like (yeast)	-2.56	0.42	0.00
A_51_P327232	NM_020517	Lenep	57275	lens epithelial protein	-2.51	0.42	0.00
A_51_P257885	NM_175217	Mmd2	75104	monocyte to macrophage differentiation-associated 2	-1.84	0.42	0.04
A_52_P299846	NM_021506	Sh3rf1	59009	SH3 domain containing ring finger 1	-2.68	0.42	0.00
A_51_P441807	NM_183137	241000210	78777	RIKEN cDNA 2410002101 gene	-2.76	0.42	0.00
A_51_P141970	NM_023431	Mum1	68114	melanoma associated antigen (mutated) 1	-2.78	0.42	0.00
A_51_P520585	NM_026967	Rhebl1	69159	Ras homolog enriched in brain like 1	-2.69	0.42	0.00
A_51_P272448	NM_183285	Kctd2	70382	potassium channel tetramerisation domain containing 2	-2.03	0.42	0.02
A_51_P464992	NM_181452	Mtvr2	17826	mammary tumor virus receptor 2	-2.57	0.42	0.00
A_51_P445574	NM_178053	Nags	217214	N-acetylglutamate synthase	-2.88	0.42	0.00
A_52_P198239	NM_001033	Ube2u	381534	ubiquitin-conjugating enzyme E2U (putative) required for meiotic nuclear division 5 homolog B (S.	-1.85	0.42	0.04
A_51_P244969	NM_025346	Rmnd5b	66089	cerevisiae)	-2.83	0.42	0.00
A_51_P123242	AK159194	Hmha1	70719	histocompatibility (minor) HA-1	-3.01	0.42	0.00
A_52_P222624	NM_024441	Hspb2	69253	heat shock protein 2	-2.58	0.42	0.00
A_52_P449871	NM_031166	Id4	15904	inhibitor of DNA binding 4	-2.35	0.42	0.01
A_51_P370874	NM_001039	Pkig	18769	protein kinase inhibitor, gamma	-2.45	0.42	0.00
A_51_P329291	NM_030206	Cygb	114886	cytoglobin	-2.80	0.42	0.00
A_51_P477418	AK003826	Nfic	18029	nuclear factor I/C	-2.72	0.42	0.00
A_52_P40504	AK162948	2900052L1	76835	RIKEN cDNA 2900052L18 gene	-2.99	0.42	0.00
A_51_P350033	NM_023624	Lrat	79235	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)	-1.93	0.42	0.03
A_52_P236426	NM_026058	Lass4	67260	LAG1 homolog, ceramide synthase 4	-3.31	0.42	0.00
A_52_P416913	NM_009471	Umps	22247	uridine monophosphate synthetase	-2.79	0.42	0.00
A_52_P486260	NM_054077	Prelp	116847	proline arginine-rich end leucine-rich repeat	-2.61	0.42	0.00
A_52_P404461	NM_177601	Tmem60	212090	transmembrane protein 60	-2.63	0.42	0.00
A_51_P277199	NM_153528	Gramd1c	207798	GRAM domain containing 1C	-2.82	0.42	0.00
A_52_P1092823	AK133937	Irx1	16371	Iroquois related homeobox 1 (Drosophila)	-2.28	0.42	0.01

A_52_P486322	NM_019757	Fzr1	56371	fizzy/cell division cycle 20 related 1 (Drosophila)	-3.39	0.42	0.00
A_51_P378173	NM_026787	1110012L1	68618	RIKEN cDNA 1110012L19 gene	-2.65	0.42	0.00
A_51_P145415	NM_145130	Lpcat3	14792	lysophosphatidylcholine acyltransferase 3	-2.05	0.42	0.02
A_51_P485203	NM_147201	Nrbp1	192292	nuclear receptor binding protein 1	-3.36	0.42	0.00
A_51_P189442	NM_011996	Adh4	26876	alcohol dehydrogenase 4 (class II), pi polypeptide	-2.60	0.42	0.00
A_52_P743305	AK137240	Pabpn1	54196	poly(A) binding protein, nuclear 1	-1.92	0.42	0.03
A_51_P183703	NA	NA	NA	NA	-2.14	0.42	0.01
A_52_P648304	NM_201406	Pigs	276846	phosphatidylinositol glycan anchor biosynthesis, class S	-2.28	0.42	0.01
A_52_P578768	NM_178746	Slc38a9	268706	solute carrier family 38, member 9	-2.83	0.42	0.00
A_51_P224983	NM_012000	Cln8	26889	ceroid-lipofuscinosis, neuronal 8	-2.54	0.42	0.00
A_51_P417861	NM_146231	Zfp825	235956	zinc finger protein 825	-2.66	0.42	0.00
A_52_P322301	NM_176838	Esrp2	77411	epithelial splicing regulatory protein 2	-2.91	0.42	0.00
A_51_P281582	NM_029985	Lrrc42	77809	leucine rich repeat containing 42	-2.25	0.42	0.01
A_52_P144839	NM_018757	Nme6	54369	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)	-1.96	0.42	0.03
A_52_P613418	NM_027141	Spsb3	79043	splA/ryanodine receptor domain and SOCS box containing 3	-2.39	0.42	0.01
A_51_P251508	BC050010	Lemd2	224640	LEM domain containing 2	-2.64	0.42	0.00
A_51_P300456	AK122223	Pxdn	69675	peroxidasin homolog (Drosophila)	-1.88	0.42	0.04
A_51_P257558	NM_001033	Ddx31	227674	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31	-2.75	0.42	0.00
A_52_P257426	NM_133191	Eps8l2	98845	EPS8-like 2	-2.80	0.42	0.00
A_52_P609770	AK050570	Irf3	54131	interferon regulatory factor 3	-1.74	0.42	0.07
A_52_P148678	AK169695	Plcg1	18803	phospholipase C, gamma 1	-2.73	0.42	0.00
A_51_P460774	NM_177009	Smyd4	319822	SET and MYND domain containing 4	-3.05	0.42	0.00
A_52_P381953	NM_178757	Irf2bp1	272359	interferon regulatory factor 2 binding protein 1	-3.28	0.42	0.00
A_51_P338674	NM_025605	2400001E0	66508	RIKEN cDNA 2400001E08 gene	-3.14	0.42	0.00
A_51_P138895	NM_001033	Ccdc102a	234582	coiled-coil domain containing 102A	-2.74	0.42	0.00
A_52_P186362	NA	NA	NA	NA	-1.95	0.42	0.03
A_52_P633379	NM_054057	Prosc	114863	proline synthetase co-transcribed	-2.41	0.42	0.00
A_51_P291713	NM_134094	Ncald	52589	neurocalcin delta	-2.98	0.42	0.00
A_52_P312473	AK136375	9230114K1	414108	RIKEN cDNA 9230114K14 gene	-3.35	0.42	0.00

A_51_P295286	AK006906	1700066M	73467	RIKEN cDNA 1700066M21 gene	-2.59	0.42	0.00
A_52_P395528	NA	NA	NA	NA	-2.07	0.42	0.02
A_51_P493720	NM_009360	Tfam	21780	transcription factor A, mitochondrial	-3.11	0.42	0.00
A_52_P64001	NM_133345	Ing4	28019	inhibitor of growth family, member 4	-2.88	0.42	0.00
A_51_P258322	NM_178898	AI894139	101197	expressed sequence AI894139	-3.24	0.42	0.00
A_52_P875556	AK083287	NA	NA	NA	-2.69	0.42	0.00
A_52_P674386	AK087243	Tmcc1	330401	transmembrane and coiled coil domains 1	-1.99	0.42	0.03
A_51_P141610	BC052789	Cables2	252966	CDK5 and Abl enzyme substrate 2	-2.99	0.41	0.00
A_51_P223058	BC064474	Cgn	70737	cingulin	-2.82	0.41	0.00
A_51_P313779	NM_198248	Zbtb40	230848	zinc finger and BTB domain containing 40	-2.47	0.41	0.00
A_52_P657800	NA	NA	NA	NA	-3.12	0.41	0.00
A_51_P175736	NM_026553	Yif1a	68090	Yip1 interacting factor homolog A (<i>S. cerevisiae</i>)	-2.51	0.41	0.00
A_51_P383755	NA	NA	NA	NA	-2.83	0.41	0.00
A_52_P313322	NM_029793	Golga1	76899	golgi autoantigen, golgin subfamily a, 1	-2.30	0.41	0.01
A_52_P529360	NM_001003	Rab11fip5	52055	RAB11 family interacting protein 5 (class I)	-2.38	0.41	0.01
A_51_P321734	NM_022884	Bhmt2	64918	betaine-homocysteine methyltransferase 2	-2.68	0.41	0.00
A_52_P215539	NM_176828	C030006K1	223665	RIKEN cDNA C030006K11 gene	-2.83	0.41	0.00
A_51_P173445	NM_001033	Slc30a10	226781	solute carrier family 30, member 10	-2.12	0.41	0.01
A_51_P169867	NM_011894	Sh3bp5	24056	SH3-domain binding protein 5 (BTK-associated)	-2.56	0.41	0.00
A_51_P399305	NM_013869	Tnfrsf19	29820	tumor necrosis factor receptor superfamily, member 19	-2.19	0.41	0.01
A_52_P625296	BC053060	Vav2	22325	vav 2 oncogene	-2.73	0.41	0.00
A_51_P116039	NM_008256	Hmgcs2	15360	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2	-1.71	0.41	0.07
A_52_P205789	NM_175352	Unc119b	106840	unc-119 homolog B (<i>C. elegans</i>)	-2.99	0.41	0.00
A_51_P141521	NM_172965	Sap130	269003	Sin3A associated protein	-2.96	0.41	0.00
A_52_P655532	NM_018817	Smarca1	54380	SWI/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1 platelet derived growth factor receptor, beta	-3.46	0.41	0.00
A_51_P150964	NM_008809	Pdgfrb	18596	polypeptide	-2.57	0.41	0.00
A_51_P134776	NM_023173	Dusp12	80915	dual specificity phosphatase 12	-1.95	0.41	0.03
A_51_P161354	NM_144907	Sesn2	230784	sestrin 2	-2.64	0.41	0.00
A_51_P390377	NM_144814	Rcor3	214742	REST corepressor 3	-1.54	0.41	0.16

A_52_P502332	AK033222	2810055G277994	RIKEN cDNA 2810055G20 gene	-2.75	0.41	0.00
A_52_P441974	NM_145920	Evc2 68525	Ellis van Creveld syndrome 2 homolog (human)	-2.10	0.41	0.01
A_51_P214985	NM_145492	Zfp521 225207	zinc finger protein 521	-2.39	0.41	0.01
A_51_P168395	NM_030188	Ttc30a1 78802	tetratricopeptide repeat domain 30A1	-2.55	0.41	0.00
A_51_P340805	NM_001039	Zkscan4 544922	zinc finger with KRAB and SCAN domains 4	-2.83	0.41	0.00
A_51_P402775	AK090134	Anapc1 17222	anaphase promoting complex subunit 1	-2.35	0.41	0.01
A_51_P394676	BC040217	Mef2d 17261	myocyte enhancer factor 2D	-3.07	0.41	0.00
A_51_P152773	NM_146201	Zfp553 233887	zinc finger protein 553	-2.55	0.41	0.00
A_52_P590665	NM_145597	Tmem161a 234371	transmembrane protein 161A	-2.80	0.41	0.00
A_52_P511269	BC025208	Mlec 109154	malectin	-1.78	0.41	0.06
A_52_P69756	NM_178051	Mterfd2 69821	MTERF domain containing 2	-3.16	0.41	0.00
A_51_P208862	NM_178909	Wdr92 103784	WD repeat domain 92	-2.54	0.41	0.00
A_52_P480544	NM_145390	Tnpo2 212999	transportin 2 (importin 3, karyopherin beta 2b)	-2.52	0.41	0.00
A_52_P324825	NM_175414	Tspan9 109246	tetraspanin 9	-3.10	0.41	0.00
A_52_P89273	AK051905	Cbx8 30951	chromobox homolog 8 (Drosophila Pc class)	-2.42	0.41	0.00
A_51_P477833	NM_001033	Klhl21 242785	kelch-like 21 (Drosophila)	-1.99	0.41	0.03
A_52_P244381	AK013849	2900093K2 68037	RIKEN cDNA 2900093K20 gene	-3.12	0.41	0.00
A_51_P431823	NM_027521	Hmha1 70719	histocompatibility (minor) HA-1	-2.23	0.41	0.01
A_51_P493256	NM_001042	Pex10 668173	peroxisomal biogenesis factor 10	-2.85	0.41	0.00
A_52_P151278	NM_146164	Lrch4 231798	domain containing 4	-3.20	0.41	0.00
A_51_P147373	NM_133803	Dpp3 75221	dipeptidylpeptidase 3	-2.91	0.41	0.00
A_52_P542958	NM_207207	Mrps26 99045	mitochondrial ribosomal protein S26	-2.83	0.41	0.00
A_51_P105991	NM_011538	Tbx6 21389	T-box 6	-2.49	0.41	0.00
A_51_P386189	NM_016788	Tnk2 51789	tyrosine kinase, non-receptor, 2	-2.78	0.41	0.00
A_51_P172502	NM_001012	Cxcl12 20315	chemokine (C-X-C motif) ligand 12	-2.90	0.41	0.00
A_52_P496532	NA	NA	NA	-2.47	0.41	0.00
A_51_P502964	NM_144794	Tmem63a 208795	transmembrane protein 63a	-2.89	0.41	0.00
A_52_P564983	XM_204104	Fam131c 277743	family with sequence similarity 131, member C	-2.96	0.41	0.00
A_51_P271887	NM_016678	Reck 53614	reversion-inducing-cysteine-rich protein with kazal motifs	-2.16	0.41	0.01
A_51_P224099	NM_172560	Cntrob 216846	centrobin, centrosomal BRCA2 interacting protein	-1.95	0.41	0.03
A_52_P193181	NM_025538	Alkbh7 66400	alkB, alkylation repair homolog 7 (E. coli)	-1.44	0.41	0.22

A_51_P483081	AK165218	Lpin2	64898	lipin 2	-2.28	0.41	0.01
A_52_P59228	NM_178375	Zswim3	67538	zinc finger, SWIM domain containing 3	-3.11	0.41	0.00
A_52_P664800	NM_178239	NA	NA	NA	-3.02	0.41	0.00
A_51_P239236	NA	NA	NA	NA	-1.14	0.41	0.82
A_51_P504214	NM_018832	Magix	54634	MAGI family member, X-linked	-3.19	0.41	0.00
A_52_P384574	NM_133774	Stard4	170459	StAR-related lipid transfer (START) domain containing 4	-1.59	0.41	0.14
A_52_P602771	NM_009274	Srpk2	20817	serine/arginine-rich protein specific kinase 2	-2.34	0.41	0.01
A_52_P566406	NM_009531	Xpc	22591	xeroderma pigmentosum, complementation group C pleckstrin homology domain containing, family A	-3.24	0.41	0.00
A_52_P587054	NM_144920	Plekha5	109135	member 5	-2.09	0.41	0.02
A_52_P566605	NM_010476	Hsd17b7	15490	hydroxysteroid (17-beta) dehydrogenase 7	-2.32	0.41	0.01
A_52_P427564	NM_028662	Slc35b2	73836	solute carrier family 35, member B2	-3.21	0.41	0.00
A_51_P104891	NM_027652	D5Wsu178	28042	DNA segment, Chr 5, Wayne State University 178, expressed	-1.20	0.41	0.61
A_51_P304757	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated protein-like 1	-2.81	0.41	0.00
A_51_P449450	NM_001024	Dcun1d2	102323	DCN1, defective in cullin neddylation 1, domain containing 2 (<i>S. cerevisiae</i>)	-2.85	0.41	0.00
A_52_P481279	NM_001033	Gm1060	381738	predicted gene 1060	-1.93	0.41	0.03
A_51_P400375	NM_021446	0610007P1	58520	RIKEN cDNA 0610007P14 gene	-2.71	0.41	0.00
A_51_P289697	NM_011849	Nek4	23955	NIMA (never in mitosis gene a)-related expressed kinase 4	-2.68	0.41	0.00
A_52_P355480	NA	NA	NA	NA	-2.78	0.41	0.00
A_51_P199098	NM_025838	Tmem107	66910	transmembrane protein 107	-2.97	0.41	0.00
A_51_P149373	NM_028149	Fbxl20	72194	F-box and leucine-rich repeat protein 20	-2.95	0.41	0.00
A_51_P346923	NM_019782	Lepre1	56401	leprecan 1	-2.48	0.41	0.00
A_52_P166770	NM_053179	Nans	94181	N-acetylneuraminic acid synthase (sialic acid synthase)	-2.01	0.41	0.02
A_51_P456486	AK037870	NA	NA	NA	-3.08	0.41	0.00
A_52_P75985	NM_025808	Lztr1	66863	leucine-zipper-like transcriptional regulator, 1	-2.74	0.41	0.00
A_51_P464911	NM_029619	Msrb2	76467	methionine sulfoxide reductase B2	-2.99	0.41	0.00
A_52_P1124330	AK082375	NA	NA	NA	-2.17	0.41	0.01

A_52_P232470	NM_001009	Smcr7	237781	Smith-Magenis syndrome chromosome region, candidate 7 homolog (human)	-3.01	0.41	0.00
A_51_P509229	NM_144925	Tnrc6a	233833	trinucleotide repeat containing 6a	-3.05	0.41	0.00
A_51_P346803	NM_017380	9-Sep	53860	septin 9	-1.85	0.41	0.04
A_52_P676198	NM_025912	201001112	67017	RIKEN cDNA 2010011120 gene	-2.67	0.41	0.00
A_52_P168567	NM_007678	Cebpa	12606	CCAAT/enhancer binding protein (C/EBP), alpha	-3.13	0.41	0.00
A_52_P411833	NA	NA	NA	NA	-1.89	0.41	0.04
A_51_P236118	U52523	Ptpn18	19253	protein tyrosine phosphatase, non-receptor type 18	-2.35	0.41	0.01
A_52_P342773	NM_177700	Atmin	234776	ATM interactor	-3.49	0.41	0.00
A_51_P455671	NM_080554	Psmd5	66998	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5	-2.81	0.41	0.00
A_51_P118535	AK012399	2700049A	76967	RIKEN cDNA 2700049A03 gene	-2.69	0.41	0.00
A_52_P314349	AK050104	Acnat1	230161	acyl-coenzyme A amino acid N-acyltransferase 1	-2.34	0.41	0.01
A_52_P198949	AK046588	Esrra	26379	estrogen related receptor, alpha	-2.39	0.41	0.01
A_51_P243134	NM_007405	Adcy6	11512	adenylate cyclase 6	-2.81	0.41	0.00
A_52_P588917	XM_900750	NA	NA	NA	-2.57	0.41	0.00
A_52_P262883	NM_008889	Ppp1r14b	18938	protein phosphatase 1, regulatory (inhibitor) subunit 14B	-2.62	0.40	0.00
A_51_P174228	AK143726	Odf2	18286	outer dense fiber of sperm tails 2	-2.17	0.40	0.01
A_51_P189361	NM_027950	Osgin1	71839	oxidative stress induced growth inhibitor 1	-1.88	0.40	0.04
A_51_P211526	NM_026889	1500010J0	68964	RIKEN cDNA 1500010J02 gene	-2.40	0.40	0.00
A_51_P137317	NM_025873	Trit1	66966	tRNA isopentenyltransferase 1	-2.75	0.40	0.00
A_51_P222386	NM_134023	Tbc1d10a	103724	TBC1 domain family, member 10a	-3.35	0.40	0.00
A_51_P479444	NM_010544	lhh	16147	Indian hedgehog	-2.46	0.40	0.00
A_52_P142390	XM_001000	NA	NA	NA	-2.42	0.40	0.00
A_52_P1021832	AI627138	NA	NA	NA	-1.84	0.40	0.04
A_52_P1074873	AK132165	Maf	17132	avian musculoaponeurotic fibrosarcoma (v-maf) AS42 oncogene homolog	-2.66	0.40	0.00
A_51_P338461	NM_133947	Numa1	101706	nuclear mitotic apparatus protein 1	-2.78	0.40	0.00
A_51_P138879	NM_144894	Zgpat	229007	zinc finger, CCCH-type with G patch domain	-2.74	0.40	0.00
A_51_P500152	NM_145505	Fam160b1	226252	family with sequence similarity 160, member B1	-2.66	0.40	0.00
A_51_P488092	NM_008801	Pde6d	18582	phosphodiesterase 6D, cGMP-specific, rod, delta	-2.60	0.40	0.00
A_51_P358243	AK154853	2610029I0	77032	RIKEN cDNA 2610029I01 gene	-2.74	0.40	0.00

A_51_P463941	NM_011919	Ing1	26356	inhibitor of growth family, member 1	-3.18	0.40	0.00
A_52_P237352	BC071194	Zdhhc24	70605	zinc finger, DHHC domain containing 24	-2.33	0.40	0.01
A_52_P222073	NM_021609	Ccbp2	59289	chemokine binding protein 2	-2.15	0.40	0.01
A_51_P341540	NM_001003	Dnmt3b	13436	DNA methyltransferase 3B	-2.43	0.40	0.00
A_51_P348397	NM_138753	Hexim1	192231	hexamethylene bis-acetamide inducible 1 proteasome (prosome, macropain) assembly chaperone	-2.38	0.40	0.01
A_51_P289987	NM_025604	Psmg3	66506	3	-2.57	0.40	0.00
A_51_P385390	NM_022418	Tmub1	64295	transmembrane and ubiquitin-like domain containing 1	-2.09	0.40	0.02
A_51_P434953	NM_029557	Tsen54	76265	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)	-2.21	0.40	0.01
A_51_P489153	NM_023733	Crot	74114	carnitine O-octanoyltransferase hexosaminidase (glycosyl hydrolase family 20, catalytic	-1.35	0.40	0.34
A_52_P610808	NM_001001	Hexdc	238023	domain) containing	-2.94	0.40	0.00
A_51_P107991	NM_001044	Zfp2	22678	zinc finger protein 2	-2.79	0.40	0.00
A_51_P404953	NM_001003	Kdm2b	30841	lysine (K)-specific demethylase 2B	-2.57	0.40	0.00
A_51_P341832	NM_008743	Nthl1	18207	nth (endonuclease III)-like 1 (<i>E.coli</i>)	-2.71	0.40	0.00
A_51_P416378	NM_177644	Rasal2	226525	RAS protein activator like 2 glycerophosphodiester phosphodiesterase domain	-3.01	0.40	0.00
A_51_P426875	NM_024228	Gdpd3	68616	containing 3	-1.07	0.40	1.04
A_52_P526265	AK220207	Wdr73	71968	WD repeat domain 73	-2.91	0.40	0.00
A_51_P185906	NM_025659	Abi3	66610	ABI gene family, member 3	-2.73	0.40	0.00
A_52_P779355	AK053107	Sec14l2	67815	SEC14-like 2 (<i>S. cerevisiae</i>)	-2.42	0.40	0.00
A_52_P213036	BC041674	Cul9	78309	cullin 9	-2.79	0.40	0.00
A_51_P347115	NM_177045	Cc2d1b	319965	coiled-coil and C2 domain containing 1B	-2.42	0.40	0.00
A_52_P54106	AK034547	Ghr	14600	growth hormone receptor	-2.04	0.40	0.02
A_51_P217465	NM_183148	Iffo2	212632	intermediate filament family orphan 2	-2.25	0.40	0.01
A_51_P293665	AK003646	Cxx1b	553127	CAAX box 1 homolog B (human)	-2.92	0.40	0.00
A_51_P413251	XM_486328	Gm4980	245190	predicted gene 4980	-3.00	0.40	0.00
A_52_P561416	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-2.13	0.40	0.01
A_52_P65703	NM_178620	Mfsd11	69900	major facilitator superfamily domain containing 11	-2.77	0.40	0.00
A_51_P378667	NM_144824	Wrap53	216853	WD repeat containing, antisense to TP53	-3.04	0.40	0.00
A_52_P586865	NM_178928	Afap111	106877	actin filament associated protein 1-like 1	-2.89	0.40	0.00

A_51_P415755	AK052232	Sema6d	214968	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	-2.58	0.40	0.00
A_51_P357533	NM_172614	Tmem44	224090	transmembrane protein 44	-2.54	0.40	0.00
A_51_P463994	NM_021393	Cobra1	58202	cofactor of BRCA1	-2.67	0.40	0.00
A_52_P327146	AK031552	NA	NA	NA	-1.81	0.40	0.05
A_51_P257675	NM_030203	Tsyp14	72480	TSPY-like 4	-2.37	0.40	0.01
A_52_P476029	NM_001001:8430427H1	329540	RIKEN cDNA 8430427H17 gene	-3.01	0.40	0.00	
A_52_P561746	NM_009707	Arhgap6	11856	Rho GTPase activating protein 6	-2.33	0.40	0.01
A_52_P479249	NM_009382	Thy1	21838	thymus cell antigen 1, theta	-2.02	0.40	0.02
A_51_P138673	NM_175244	Hectd3	76608	HECT domain containing 3	-2.92	0.40	0.00
A_51_P511176	NM_026933	Triap1	69076	TP53 regulated inhibitor of apoptosis 1	-3.02	0.40	0.00
A_51_P140576	NM_001038	Mapt	17762	microtubule-associated protein tau	-2.34	0.40	0.01
A_51_P468558	NM_172623	Trem14	224840	triggering receptor expressed on myeloid cells-like 4	-2.91	0.40	0.00
A_51_P174362	NM_028789	Unkl	74154	unkempt-like (Drosophila)	-2.47	0.40	0.00
A_51_P321374	NM_145521	Ppapdc3	227721	phosphatidic acid phosphatase type 2 domain containing 3	-2.76	0.40	0.00
A_52_P185639	NM_175137	Vars2	68915	valyl-tRNA synthetase 2, mitochondrial (putative)	-2.39	0.40	0.01
A_51_P271865	NM_016751	Clec4f	51811	C-type lectin domain family 4, member f	-2.91	0.40	0.00
A_51_P285997	NM_133941	Dhx32	101437	DEAH (Asp-Glu-Ala-His) box polypeptide 32	-3.20	0.40	0.00
A_52_P176409	NM_021528	Chst12	59031	carbohydrate sulfotransferase 12	-3.07	0.40	0.00
A_51_P373226	NM_019722	Arl2	56327	ADP-ribosylation factor-like 2	-2.80	0.40	0.00
A_52_P213916	NM_194268	Onecut2	225631	one cut domain, family member 2	-3.05	0.40	0.00
A_51_P200477	NM_008300	Hspa4	15525	heat shock protein 4	-1.91	0.40	0.04
A_51_P389811	NM_028658	Klraq1	73825	KLRAQ motif containing 1	-3.11	0.40	0.00
A_52_P473344	AK172219	Srebf2	20788	sterol regulatory element binding factor 2	-3.19	0.40	0.00
A_51_P177897	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-3.69	0.40	0.00
A_51_P509211	NM_030564	Rnf34	80751	ring finger protein 34	-2.56	0.40	0.00
A_52_P30451	NM_016854	Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-1.81	0.40	0.05
A_51_P133037	NM_008889	Ppp1r14b	18938	protein phosphatase 1, regulatory (inhibitor) subunit 14B	-2.83	0.40	0.00
A_51_P477676	NM_173189	Mcph1	244329	microcephaly, primary autosomal recessive 1	-2.94	0.40	0.00

A_52_P104562	NM_001037	Lipt1	623661	lipoyltransferase 1	-3.24	0.40	0.00
A_51_P173107	AK007796	1810046K069809		RIKEN cDNA 1810046K07 gene	-1.83	0.40	0.04
A_51_P129720	NM_175244	Hectd3	76608	HECT domain containing 3	-2.79	0.40	0.00
				UPF3 regulator of nonsense transcripts homolog B			
A_51_P162649	NM_026573	Upf3b	68134	(yeast)	-2.20	0.40	0.01
A_51_P510891	NM_007423	Afp	11576	alpha fetoprotein	-2.21	0.40	0.01
A_52_P324336	BC064790	Hmgb1	15289	high mobility group box 1	-2.75	0.40	0.00
A_51_P190106	BC033592	Ralgps2	78255	Ral GEF with PH domain and SH3 binding motif 2	-2.50	0.40	0.00
A_52_P672761	NM_013689	Tec	21682	tec protein tyrosine kinase	-2.72	0.40	0.00
A_52_P671625	NM_194343	Trim45	229644	tripartite motif-containing 45	-3.03	0.40	0.00
A_52_P91402	NM_153160	Zcchc17	619605	zinc finger, CCHC domain containing 17	-2.87	0.40	0.00
A_51_P106488	AK164360	Speg	11790	SPEG complex locus	-2.78	0.40	0.00
A_51_P341498	NM_026241	Ankrd39	109346	ankyrin repeat domain 39	-3.15	0.40	0.00
A_51_P339417	NM_013905	Heyl	56198	hairy/enhancer-of-split related with YRPW motif-like	-3.40	0.40	0.00
A_52_P535946	NM_007856	Dhcr7	13360	7-dehydrocholesterol reductase	-3.10	0.40	0.00
A_51_P260178	NM_058214	Recql4	79456	RecQ protein-like 4	-3.66	0.40	0.00
A_52_P481182	NM_023377	Stard5	170460	StAR-related lipid transfer (START) domain containing 5	-2.23	0.40	0.01
A_52_P466993	NM_023854	Arfgap2	77038	ADP-ribosylation factor GTPase activating protein 2	-2.62	0.40	0.00
				N-6 adenine-specific DNA methyltransferase 2			
A_51_P376149	NM_026526	N6amt2	68043	(putative)	-3.02	0.40	0.00
A_51_P345274	NM_194268	Onecut2	225631	one cut domain, family member 2	-2.90	0.40	0.00
A_52_P612803	NM_009831	Ccng1	12450	cyclin G1	-2.15	0.40	0.01
A_51_P301052	NM_133998	1810008A1108707		RIKEN cDNA 1810008A18 gene	-3.16	0.40	0.00
A_51_P464588	NM_138664	Dnajc28	246738	DnaJ (Hsp40) homolog, subfamily C, member 28	-2.43	0.40	0.00
A_51_P105869	NM_028141	Zfp661	72180	zinc finger protein 661	-2.88	0.39	0.00
A_52_P391623	NM_028777	Sec14l1	74136	SEC14-like 1 (<i>S. cerevisiae</i>)	-3.40	0.39	0.00
A_52_P643375	BC075715	Dmpk	13400	dystrophia myotonica-protein kinase	-2.85	0.39	0.00
A_52_P297016	NM_175273	2310046O0698323		RIKEN cDNA 2310046O06 gene	-2.53	0.39	0.00
A_51_P508191	NM_007834	Dscr3	13185	Down syndrome critical region gene 3	-3.04	0.39	0.00
A_52_P54176	NM_015732	Axin2	12006	axin2	-2.64	0.39	0.00
A_51_P503542	NM_026712	Zfp414	328801	zinc finger protein 414	-3.19	0.39	0.00

A_51_P307220	NM_144849	Ankrd54	223690	ankyrin repeat domain 54	-2.45	0.39	0.00
A_52_P445316	NM_025319	0610009B2	66050	RIKEN cDNA 0610009B22 gene	-3.07	0.39	0.00
A_52_P137765	NM_019390	Lmna	16905	lamin A	-2.74	0.39	0.00
A_51_P240594	NM_145916	Zfp7	223669	zinc finger protein 7	-3.04	0.39	0.00
A_52_P71135	NM_001079	Hnrnph3	432467	heterogeneous nuclear ribonucleoprotein H3	-2.50	0.39	0.00
A_51_P331028	NA	NA	NA	NA	-3.05	0.39	0.00
A_51_P342906	NM_009164	Sh3bp1	20401	SH3-domain binding protein 1	-3.32	0.39	0.00
A_52_P393314	NM_011027	P2rx7	18439	purinergic receptor P2X, ligand-gated ion channel, 7	-2.48	0.39	0.00
A_52_P788260	NA	NA	NA	NA	-2.90	0.39	0.00
A_51_P517012	AK005069	Tysnd1	71767	trypsin domain containing 1	-2.86	0.39	0.00
A_51_P324134	NM_138646	Hps4	192232	Hermansky-Pudlak syndrome 4 homolog (human)	-2.69	0.39	0.00
A_51_P484764	NM_025473	Fam3a	66294	family with sequence similarity 3, member A	-3.52	0.39	0.00
A_52_P533083	NM_172338	Dnajc16	214063	Dnaj (Hsp40) homolog, subfamily C, member 16	-2.98	0.39	0.00
A_51_P411130	NM_027278	2810432D0	69961	RIKEN cDNA 2810432D09 gene	-2.92	0.39	0.00
A_52_P93432	M88489	NA	NA	NA	-2.26	0.39	0.01
A_51_P101573	NM_029091	Klc4	74764	kinesin light chain 4	-3.42	0.39	0.00
A_51_P438952	NM_026121	Bag4	67384	BCL2-associated athanogene 4	-2.51	0.39	0.00
A_51_P511546	NM_138595	Gldc	104174	glycine decarboxylase	-2.16	0.39	0.01
A_52_P94845	NM_025449	Nicn1	66257	nicolin 1	-3.06	0.39	0.00
A_51_P232868	NM_176995	EG240055	240055	predicted gene, EG240055	-3.09	0.39	0.00
A_52_P176619	AK028297	2610110G1	73242	RIKEN cDNA 2610110G12 gene	-2.82	0.39	0.00
A_51_P157472	NA	NA	NA	NA	-1.56	0.39	0.15
A_51_P251587	NM_026000	Psmd9	67151	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9	-2.24	0.39	0.01
A_51_P390996	NM_029389	Fam35a	75698	family with sequence similarity 35, member A	-2.44	0.39	0.00
A_52_P8863	AK031889	NA	NA	NA	-2.88	0.39	0.00
A_51_P184969	NM_021430	Rilpl1	75695	Rab interacting lysosomal protein-like 1	-2.88	0.39	0.00
A_51_P425772	NM_021273	Ckb	12709	creatine kinase, brain	-2.49	0.39	0.00
A_52_P414138	NM_133218	Zfp704	170753	zinc finger protein 704	-2.98	0.39	0.00
A_51_P484510	NM_011848	Nek3	23954	NIMA (never in mitosis gene a)-related expressed kinase 3	-3.36	0.39	0.00

A_51_P379660	NM_019914	Mllt11	56772	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11	-3.12	0.39	0.00
A_52_P883283	AK034355	NA	NA	NA	-3.05	0.39	0.00
A_51_P503543	NM_026712	Zfp414	328801	zinc finger protein 414	-3.19	0.39	0.00
A_51_P499905	NM_010365	Gtf2i	14886	general transcription factor II I	-2.77	0.39	0.00
A_51_P213334	NM_144919	Hdac11	232232	histone deacetylase 11	-2.61	0.39	0.00
A_51_P274124	NM_026345	Mansc1	67729	MANSC domain containing 1	-3.09	0.39	0.00
A_52_P668543	NM_178611	Lair1	52855	leukocyte-associated Ig-like receptor 1	-2.65	0.39	0.00
A_51_P514405	NM_019741	Slc2a5	56485	solute carrier family 2 (facilitated glucose transporter), member 5	-2.19	0.39	0.01
A_51_P256945	NM_207525	Opa3	403187	optic atrophy 3 (human)	-2.58	0.39	0.00
A_52_P154710	AK170547	Sesn2	230784	sestrin 2	-2.85	0.39	0.00
A_52_P263289	AK030267	Trpc2	22064	transient receptor potential cation channel, subfamily C, member 2	-3.02	0.39	0.00
A_52_P66371	NM_178420	NlrX1	270151	NLR family member X1	-2.47	0.39	0.00
A_51_P437289	NM_133214	BC017612	170748	cDNA sequence BC017612	-2.42	0.39	0.00
A_51_P437478	NM_152814	Zfp566	72556	zinc finger protein 566	-2.50	0.39	0.00
A_51_P342786	AK029786	Mlh3	217716	mutL homolog 3 (E coli)	-3.26	0.39	0.00
A_51_P201187	NM_026385	Plip	67801	plasma membrane proteolipid	-3.26	0.39	0.00
A_51_P262101	NM_026873	Ptcd2	68927	pentatricopeptide repeat domain 2	-2.97	0.39	0.00
A_51_P165210	NM_017402	Arhgef7	54126	Rho guanine nucleotide exchange factor (GEF7)	-3.08	0.39	0.00
A_51_P519008	NM_177595	Mkx	210719	mohawk homeobox	-2.16	0.39	0.01
A_51_P332264	NM_026314	Dyx1c1	67685	dyslexia susceptibility 1 candidate 1 homolog (human)	-3.37	0.39	0.00
A_51_P193395	NM_172428	Ccdc134	76457	coiled-coil domain containing 134	-2.55	0.39	0.00
A_52_P623211	AK053175	2610301F0	545428	RIKEN cDNA 2610301F02 gene	-2.48	0.39	0.00
A_51_P451428	NM_001038	Marvel2	218518	MARVEL (membrane-associating) domain containing 2	-2.13	0.39	0.01
A_51_P127635	NM_001013	Ttf2	74044	transcription termination factor, RNA polymerase II	-2.66	0.39	0.00
A_52_P501167	XM_620568	NA	NA	NA	-2.78	0.39	0.00
A_52_P380825	NM_144550	Ccdc52	212514	coiled-coil domain containing 52	-2.94	0.39	0.00
A_52_P124083	AK087552	A530082C1	320541	RIKEN cDNA A530082C11 gene	-2.72	0.39	0.00

A_52_P1075773	AK036921	9930024M	399602	RIKEN cDNA 9930024M15 gene	-2.03	0.39	0.02
A_52_P141662	NM_011548	Tcf3	21423	transcription factor 3	-2.62	0.39	0.00
A_52_P132507	NM_173347	Prune	229589	prune homolog (Drosophila)	-2.46	0.39	0.00
A_51_P343900	NM_009532	Xrcc1	22594	X-ray repair complementing defective repair in Chinese hamster cells 1	-2.92	0.39	0.00
A_52_P353698	NM_011999	Clec4a2	26888	C-type lectin domain family 4, member a2	-2.63	0.39	0.00
A_51_P222467	NM_009593	Abcg1	11307	ATP-binding cassette, sub-family G (WHITE), member 1	-2.77	0.39	0.00
A_51_P222283	NM_019966	Mlycd	56690	malonyl-CoA decarboxylase	-3.32	0.39	0.00
A_51_P477419	NM_008688	Nfic	18029	nuclear factor I/C	-2.94	0.39	0.00
A_52_P297457	BC066053	0610030E2	68364	RIKEN cDNA 0610030E20 gene	-3.12	0.39	0.00
A_51_P291139	NM_026573	Upf3b	68134	UPF3 regulator of nonsense transcripts homolog B (yeast)	-1.84	0.39	0.04
A_52_P252258	NM_013871	Mapk12	29857	mitogen-activated protein kinase 12	-3.01	0.39	0.00
A_51_P350378	NA	NA	NA	NA	-2.46	0.39	0.00
A_52_P479899	BC031905	Trim41	211007	tripartite motif-containing 41	-2.45	0.39	0.00
A_51_P505974	AK038328	NA	NA	NA	-2.04	0.39	0.02
A_51_P402378	NM_025404	Arl4d	80981	ADP-ribosylation factor-like 4D	-1.34	0.39	0.37
A_52_P603038	NM_016968	Olig1	50914	oligodendrocyte transcription factor 1	-1.92	0.39	0.03
A_52_P884435	AK079271	Furin	18550	furin (paired basic amino acid cleaving enzyme)	-2.74	0.39	0.00
A_52_P634607	NA	NA	NA	NA	-2.63	0.39	0.00
A_51_P456136	NM_028284	Bbs5	72569	Bardet-Biedl syndrome 5 (human)	-3.09	0.39	0.00
A_52_P411716	BB113933	Polh	80905	polymerase (DNA directed), eta (RAD 30 related)	-2.12	0.39	0.01
A_52_P506344	NM_024256	B3gat3	72727	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-3.33	0.39	0.00
A_52_P224348	NM_175429	Kctd12b	207474	potassium channel tetramerisation domain containing 12b	-2.41	0.39	0.00
A_52_P663303	NM_146039	Wdr60	217935	WD repeat domain 60	-2.11	0.39	0.01
A_51_P479769	NM_028779	Ampd2	109674	adenosine monophosphate deaminase 2 (isoform L)	-2.83	0.39	0.00
A_52_P240754	NM_010756	Mafg	17134	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian)	-2.42	0.39	0.00
A_51_P286172	NM_145503	Lzts2	226154	leucine zipper, putative tumor suppressor 2	-2.92	0.39	0.00

A_51_P337662	NM_172779	Ddx26b	236790	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	-2.74	0.38	0.00
A_51_P108779	NM_023131	Rce1	19671	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	-2.79	0.38	0.00
A_51_P400816	NM_175543	Rab11fip4	268451	RAB11 family interacting protein 4 (class II)	-2.78	0.38	0.00
A_52_P539361	NM_001033	2610002J0	67513	RIKEN cDNA 2610002J02 gene	-2.61	0.38	0.00
A_51_P394394	NM_027533	Tspan2	70747	tetraspanin 2	-2.62	0.38	0.00
A_51_P116407	NM_013753	X99384	27355	cDNA sequence X99384	-3.13	0.38	0.00
A_51_P248629	NM_001037	Arhgap25	232201	Rho GTPase activating protein 25	-2.55	0.38	0.00
A_52_P439129	NM_019400	Rabep1	54189	rabaptin, RAB GTPase binding effector protein 1	-2.45	0.38	0.00
A_52_P56818	NM_053242	Foxp2	114142	forkhead box P2	-2.87	0.38	0.00
A_51_P280446	NM_022324	Sdf2l1	64136	stromal cell-derived factor 2-like 1	-2.00	0.38	0.02
A_52_P100242	NM_026510	Ftsj2	68017	FtsJ homolog 2 (<i>E. coli</i>)	-2.73	0.38	0.00
A_52_P470401	NM_025708	Tmem186	66690	transmembrane protein 186	-2.89	0.38	0.00
A_51_P507778	NM_028725	Sdr42e1	74032	short chain dehydrogenase/reductase family 42E, member 1	-2.59	0.38	0.00
A_51_P365409	NM_028040	Rpusd4	71989	RNA pseudouridylate synthase domain containing 4	-3.35	0.38	0.00
A_51_P317115	NM_175450	Wdr18	216156	WD repeat domain 18	-3.53	0.38	0.00
A_52_P397678	NM_178916	Rfesd	218341	Rieske (Fe-S) domain containing	-3.52	0.38	0.00
A_52_P257026	AF039839	NA	NA	NA	-2.14	0.38	0.01
A_51_P152423	NM_177640	D030056L2	225995	RIKEN cDNA D030056L22 gene	-3.31	0.38	0.00
A_51_P265106	NM_145614	Dlat	235339	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-3.37	0.38	0.00
A_52_P72546	AK012955	2810055G2	77994	RIKEN cDNA 2810055G20 gene	-2.83	0.38	0.00
A_52_P3229	NM_009924	Cnr2	12802	cannabinoid receptor 2 (macrophage)	-2.83	0.38	0.00
A_52_P57686	NM_144820	Ccdc28a	215814	coiled-coil domain containing 28A	-2.69	0.38	0.00
A_51_P284966	NM_177648	Dolk	227697	dolichol kinase	-3.07	0.38	0.00
A_52_P542612	NM_010144	Ephb4	13846	Eph receptor B4	-3.45	0.38	0.00
A_52_P38964	AK131167	Lrch4	231798	leucine-rich repeats and calponin homology (CH) domain containing 4	-2.56	0.38	0.00
A_51_P511448	NM_172718	Sgsm1	52850	small G protein signaling modulator 1	-2.44	0.38	0.00

A_52_P182520	BC028435	Timm9	30056	translocase of inner mitochondrial membrane 9 homolog (yeast)	-2.63	0.38	0.00
A_51_P456366	NM_001047	Pard6a	56513	par-6 (partitioning defective 6,) homolog alpha (C. elegans)	-2.80	0.38	0.00
A_51_P492410	NM_026784	Pmvk	68603	phosphomevalonate kinase	-2.16	0.38	0.01
A_51_P496715	NM_029037	4930444AC	74653	RIKEN cDNA 4930444A02 gene	-2.33	0.38	0.01
A_51_P324934	AK088142	Mcm3	17215	minichromosome maintenance deficient 3 (S. cerevisiae)	-2.35	0.38	0.01
A_51_P495540	NM_011063	Pea15a	18611	phosphoprotein enriched in astrocytes 15A	-2.87	0.38	0.00
A_51_P143682	NM_021346	Zfp318	57908	zinc finger protein 318	-2.97	0.38	0.00
A_52_P229648	NM_011862	Pacsin2	23970	protein kinase C and casein kinase substrate in neurons 2	-2.74	0.38	0.00
A_51_P150430	NM_023290	Mkrn2	67027	makorin, ring finger protein, 2	-3.21	0.38	0.00
A_51_P325274	NM_016683	Zkscan5	22757	zinc finger with KRAB and SCAN domains 5	-3.04	0.38	0.00
A_51_P428134	NM_177152	Lrig3	320398	leucine-rich repeats and immunoglobulin-like domains 3	-1.70	0.38	0.09
A_52_P364386	NM_172748	Fbxl19	233902	F-box and leucine-rich repeat protein 19	-3.50	0.38	0.00
A_51_P180061	NM_028717	Als2	74018	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	-2.06	0.38	0.02
A_52_P85292	NM_212473	Fam53b	77938	family with sequence similarity 53, member B	-2.80	0.38	0.00
A_52_P409769	NM_194464	Mrvi1	17540	MRV integration site 1	-3.52	0.38	0.00
A_51_P505172	NM_025674	Tcf19	106795	transcription factor 19	-3.08	0.38	0.00
A_51_P334308	NM_145928	Tspan14	52588	tetraspanin 14	-2.37	0.38	0.01
A_51_P485800	NM_010048	Dgcr2	13356	DiGeorge syndrome critical region gene 2	-3.71	0.38	0.00
A_51_P211488	NM_024472	Gltpd1	79554	glycolipid transfer protein domain containing 1	-2.50	0.38	0.00
A_51_P234044	NM_197988	119000510	68918	RIKEN cDNA 1190005106 gene	-3.19	0.38	0.00
A_52_P350750	NM_015730	Chrna4	11438	cholinergic receptor, nicotinic, alpha polypeptide 4	-1.86	0.38	0.04
A_51_P424448	NM_019929	Sumo3	20610	SMT3 suppressor of mif two 3 homolog 3 (yeast)	-3.10	0.38	0.00
A_51_P413965	DV056587	NA	NA	NA	-3.26	0.38	0.00
A_52_P90101	AK036209	Atxn2	20239	ataxin 2	-2.61	0.38	0.00
A_51_P290521	NM_153780	2610044O1	172139	RIKEN cDNA 2610044O15 gene	-3.05	0.38	0.00
A_52_P595561	NM_133924	Snx21	101113	sorting nexin family member 21	-3.49	0.38	0.00

A_51_P212682	NM_027290	Mcm10	70024	minichromosome maintenance deficient 10 (S. cerevisiae)	-2.71	0.38	0.00
A_52_P296109	AK078667	Cstf1	67337	cleavage stimulation factor, 3' pre-RNA, subunit 1	-3.21	0.38	0.00
A_51_P484526	NM_011915	Wif1	24117	Wnt inhibitory factor 1	-2.33	0.38	0.01
A_52_P557053	NM_011235	Rad51l3	19364	RAD51-like 3 (S. cerevisiae)	-2.77	0.38	0.00
A_52_P638513	NM_133677	2310061J0:66391		RIKEN cDNA 2310061J03 gene	-3.02	0.38	0.00
A_51_P383218	NM_145597	Tmem161a	234371	transmembrane protein 161A	-2.58	0.38	0.00
A_52_P42115	NM_029377	Lin37	75660	lin-37 homolog (C. elegans)	-3.33	0.38	0.00
A_51_P232556	NM_028721	Nphp3	74025	nephronophthisis 3 (adolescent)	-3.12	0.38	0.00
A_51_P296737	NM_027211	Anxa13	69787	annexin A13	-1.21	0.38	0.61
A_51_P313561	NM_019390	Lmna	16905	lamin A	-2.62	0.38	0.00
A_51_P129895	NM_007744	Comt1	12846	catechol-O-methyltransferase 1	-3.01	0.38	0.00
A_52_P504687	NM_001033:6430526N2	319748		RIKEN cDNA 6430526N21 gene	-2.41	0.38	0.00
A_51_P279693	NM_009992	Cyp1a1	13076	cytochrome P450, family 1, subfamily a, polypeptide 1	-2.83	0.38	0.00
A_52_P384314	NM_178066	1110012D0:73827		RIKEN cDNA 1110012D08 gene	-3.05	0.38	0.00
A_51_P118539	AK012399	2700049A0:76967		RIKEN cDNA 2700049A03 gene	-2.87	0.38	0.00
A_52_P170735	NM_011675	Uck1	22245	uridine-cytidine kinase 1	-3.51	0.38	0.00
A_51_P437144	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-2.65	0.38	0.00
A_51_P155714	AK014457	Traf3ip1	74019	TRAF3 interacting protein 1	-2.83	0.38	0.00
A_52_P35915	NM_172691	B230312A2:230088		RIKEN cDNA B230312A22 gene	-3.31	0.38	0.00
A_51_P296100	NM_145999	Rhot2	214952	ras homolog gene family, member T2	-3.24	0.38	0.00
A_51_P499061	NM_173755	Ube2o	217342	ubiquitin-conjugating enzyme E2O	-3.25	0.38	0.00
A_52_P455295	NM_145151	Crebzf	233490	CREB/ATF bZIP transcription factor	-2.87	0.38	0.00
A_51_P250934	NM_010476	Hsd17b7	15490	hydroxysteroid (17-beta) dehydrogenase 7	-2.30	0.38	0.01
A_51_P233583	NM_019985	Clec1b	56760	C-type lectin domain family 1, member b	-3.02	0.38	0.00
A_51_P236439	NM_177322	Agtr1a	11607	angiotensin II receptor, type 1a	-2.41	0.38	0.00
A_52_P666930	NM_178060	Thra	21833	thyroid hormone receptor alpha	-3.40	0.38	0.00
A_51_P251069	NM_008961	Pter	19212	phosphotriesterase related	-2.46	0.38	0.00
A_52_P566030	NM_025901	Polr3k	67005	polymerase (RNA) III (DNA directed) polypeptide K	-2.73	0.38	0.00
A_51_P459402	NM_029875	Slc35e3	215436	solute carrier family 35, member E3	-2.93	0.37	0.00
A_51_P344668	NM_008999	Rab23	19335	RAB23, member RAS oncogene family	-2.87	0.37	0.00
A_52_P61273	NM_172736	Leng8	232798	leukocyte receptor cluster (LRC) member 8	-2.29	0.37	0.01

A_51_P174384	NM_028662	Slc35b2	73836	solute carrier family 35, member B2	-3.31	0.37	0.00
A_51_P137168	NM_018817	Smarcal1	54380	SWI/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	-3.29	0.37	0.00
A_51_P228916	NM_019402	Pabpn1	54196	poly(A) binding protein, nuclear 1	-3.00	0.37	0.00
A_51_P218805	NM_023040	Gfer	11692	growth factor, erv1 (<i>S. cerevisiae</i>)-like (augmenter of liver regeneration)	-2.49	0.37	0.00
A_52_P179068	NM_017469	Gucy1b3	54195	guanylate cyclase 1, soluble, beta 3	-2.80	0.37	0.00
A_51_P224517	NM_172303	Phf17	269424	PHD finger protein 17	-3.36	0.37	0.00
A_51_P482711	NM_053272	Dhcr24	74754	24-dehydrocholesterol reductase	-3.07	0.37	0.00
A_52_P639101	NM_145471	Lrrc14	223664	leucine rich repeat containing 14	-2.81	0.37	0.00
A_52_P676744	NM_016973	St6galnac6	50935	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	-2.82	0.37	0.00
A_52_P391516	NM_025411	1110049F1	66193	RIKEN cDNA 1110049F12 gene	-3.33	0.37	0.00
A_52_P108447	NM_031184	Glis2	83396	GLIS family zinc finger 2	-2.63	0.37	0.00
A_52_P214927	BC063267	Zmynd8	228880	zinc finger, MYND-type containing 8	-3.17	0.37	0.00
A_52_P27678	AK048657	Lpin2	64898	lipin 2	-1.38	0.37	0.30
A_51_P345110	NM_025920	Thap4	67026	THAP domain containing 4	-3.52	0.37	0.00
A_52_P585104	NM_010219	Fkbp4	14228	FK506 binding protein 4	-3.45	0.37	0.00
A_51_P473229	NM_009565	Zbtb7b	22724	zinc finger and BTB domain containing 7B	-3.05	0.37	0.00
A_51_P345792	NM_029186	Tmem180	75146	transmembrane protein 180	-2.98	0.37	0.00
A_52_P576854	NM_027950	Osgin1	71839	oxidative stress induced growth inhibitor 1	-1.72	0.37	0.07
A_51_P423143	NM_176828	C030006K1	223665	RIKEN cDNA C030006K11 gene	-3.38	0.37	0.00
A_52_P742248	NM_001037	Fam117b	72750	family with sequence similarity 117, member B	-2.39	0.37	0.01
A_51_P155142	NM_026560	Cdca8	52276	cell division cycle associated 8	-3.15	0.37	0.00
A_52_P323151	CD539668	NA	NA	NA	-3.08	0.37	0.00
A_52_P574081	NM_026962	Kbtbd3	69149	kelch repeat and BTB (POZ) domain containing 3	-2.62	0.37	0.00
A_51_P200960	NM_025808	Lztr1	66863	leucine-zipper-like transcriptional regulator, 1	-2.73	0.37	0.00
A_52_P268764	NM_001038	Fn3k	63828	fructosamine 3 kinase	-3.33	0.37	0.00
A_51_P104747	NM_010364	Gtf2h4	14885	general transcription factor II H, polypeptide 4	-3.51	0.37	0.00
A_52_P684057	NM_178374	Snupn	66069	snurportin 1	-3.08	0.37	0.00
A_51_P385906	XM_986527	NA	NA	NA	-1.87	0.37	0.04
A_51_P221428	NM_028763	Cbx6	494448	chromobox homolog 6	-3.10	0.37	0.00

A_52_P501707	DV046984	NA	NA	NA	-3.20	0.37	0.00
A_52_P684130	NM_001033	2510002D2	72307	RIKEN cDNA 2510002D24 gene	-2.81	0.37	0.00
A_51_P338413	NM_019992	Stap1	56792	signal transducing adaptor family member 1	-2.96	0.37	0.00
A_51_P367240	NM_146173	Tspan33	232670	tetraspanin 33	-2.88	0.37	0.00
A_52_P28775	NM_172573	Engase	217364	endo-beta-N-acetylglucosaminidase sterol-C5-desaturase (fungal ERG3, delta-5-desaturase)	-3.33	0.37	0.00
A_51_P418056	NM_172769	Sc5d	235293	homolog (<i>S. cerevisiae</i>)	-2.65	0.37	0.00
A_52_P27117	NA	NA	NA	NA	-3.00	0.37	0.00
A_52_P478339	NM_026527	Chac2	68044	ChaC, cation transport regulator homolog 2 (<i>E. coli</i>)	-2.67	0.37	0.00
A_51_P365656	NM_029649	Tmem101	76547	transmembrane protein 101	-2.89	0.37	0.00
A_51_P292757	NM_025988	Acbd4	67131	acyl-Coenzyme A binding domain containing 4	-2.99	0.37	0.00
A_52_P517668	NA	NA	NA	NA	-2.02	0.37	0.02
A_51_P490955	NM_001039	Zfp784	654801	zinc finger protein 784	-3.37	0.37	0.00
A_52_P493925	BB385819	NA	NA	NA	-3.62	0.37	0.00
A_51_P443723	NM_211358	Slc35c1	228368	solute carrier family 35, member C1	-2.74	0.37	0.00
A_51_P364168	NM_008513	Lrp5	16973	low density lipoprotein receptor-related protein 5 phosphatidylinositol-4-phosphate 5-kinase, type 1	-3.08	0.37	0.00
A_52_P271910	AK122319	Pip5k1c	18717	gamma	-2.93	0.37	0.00
A_52_P600274	NM_175093	Trib3	228775	tribbles homolog 3 (<i>Drosophila</i>)	-2.54	0.37	0.00
A_52_P76899	NM_133858	Fam63a	75007	family with sequence similarity 63, member A	-2.42	0.37	0.00
A_51_P341918	NM_009366	Tsc22d1	21807	TSC22 domain family, member 1	-2.33	0.37	0.01
A_51_P189814	NM_013805	Cldn5	12741	claudin 5	-2.34	0.37	0.01
A_51_P291819	NM_024210	2310033P0	67862	RIKEN cDNA 2310033P09 gene	-2.46	0.37	0.00
A_52_P821110	AK157673	Opa3	403187	optic atrophy 3 (human)	-3.68	0.37	0.00
A_52_P405510	NM_010048	Dgcr2	13356	DiGeorge syndrome critical region gene 2 protein phosphatase 1, regulatory (inhibitor) subunit	-3.48	0.37	0.00
A_51_P432460	NM_026731	Ppp1r14a	68458	14A	-3.25	0.37	0.00
A_51_P142923	NM_013490	Chka	12660	choline kinase alpha	-2.56	0.37	0.00
A_51_P176661	NM_175286	C430004E1	97031	RIKEN cDNA C430004E15 gene	-2.87	0.37	0.00
A_51_P467505	NM_013689	Tec	21682	tec protein tyrosine kinase	-3.00	0.37	0.00
A_51_P112912	NM_025846	Rras2	66922	related RAS viral (r-ras) oncogene homolog 2	-3.33	0.37	0.00
A_52_P429909	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-3.11	0.37	0.00

A_51_P431996	NM_175494	Zfp367	238673	zinc finger protein 367	-2.79	0.37	0.00
A_52_P73986	NM_008639	Mtnr1a	17773	melatonin receptor 1A	-3.32	0.37	0.00
A_51_P317673	NM_146203	Zfp764	233893	zinc finger protein 764	-3.15	0.37	0.00
A_51_P109258	NM_138686	Cys1	12879	cystin 1	-2.79	0.37	0.00
A_51_P221337	NM_145824	Ranbp10	74334	RAN binding protein 10	-2.42	0.37	0.00
A_51_P331385	NM_146169	Paip2b	232164	poly(A) binding protein interacting protein 2B	-3.47	0.37	0.00
A_51_P451106	NM_009765	Brca2	12190	breast cancer 2	-3.06	0.37	0.00
A_52_P487436	NM_145829	Nags	217214	N-acetylglutamate synthase	-3.35	0.37	0.00
				nuclear factor of kappa light polypeptide gene enhancer			
A_51_P497402	NM_183091	Nfkbil2	72749	in B-cells inhibitor-like 2	-3.20	0.37	0.00
A_51_P301023	NM_133895	Slc15a4	100561	solute carrier family 15, member 4	-2.93	0.37	0.00
A_52_P646705	NM_133850	CommD7	99311	COMM domain containing 7	-3.26	0.37	0.00
A_51_P475228	NM_133972	Armc6	76813	armadillo repeat containing 6	-3.48	0.37	0.00
A_52_P675381	NM_011379	Sipa1	20469	signal-induced proliferation associated gene 1	-3.73	0.37	0.00
A_51_P135322	NM_019478	Pqbp1	54633	polyglutamine binding protein 1	-3.27	0.37	0.00
A_51_P271733	NM_033144	8-Sep	20362	septin 8	-2.94	0.37	0.00
A_51_P138972	NM_013929	Siva1	30954	SIVA1, apoptosis-inducing factor	-2.66	0.37	0.00
A_51_P201532	NM_001002	Nup85	445007	nucleoporin 85	-2.81	0.37	0.00
A_52_P502919	AK134372	Ahdc1	230793	AT hook, DNA binding motif, containing 1	-1.66	0.37	0.11
A_51_P291078	NM_172710	Sel1l3	231238	sel-1 suppressor of lin-12-like 3 (C. elegans)	-2.39	0.37	0.01
A_52_P405994	NM_175423	Orai1	109305	ORAI calcium release-activated calcium modulator 1	-2.52	0.37	0.00
A_51_P451759	BC020147	Rab3il1	74760	RAB3A interacting protein (rabin3)-like 1	-3.63	0.37	0.00
A_51_P284244	NM_025360	Tmed3	66111	transmembrane emp24 domain containing 3	-1.90	0.37	0.04
A_52_P105249	NM_027797	Tmem80	71448	transmembrane protein 80	-3.36	0.37	0.00
A_51_P297778	NM_194344	Sh3tc1	231147	SH3 domain and tetratricopeptide repeats 1	-3.07	0.37	0.00
A_51_P214087	NM_007678	Cebpa	12606	CCAAT/enhancer binding protein (C/EBP), alpha	-2.87	0.37	0.00
A_51_P329869	NM_199011	Dgkq	110524	diacylglycerol kinase, theta	-2.77	0.37	0.00
A_51_P209225	NM_133932	Tada3	101206	transcriptional adaptor 3	-2.75	0.37	0.00
A_51_P130079	NM_008511	Lrmp	16970	lymphoid-restricted membrane protein	-3.53	0.37	0.00
A_52_P254470	XM_619639	Tns1	21961	tensin 1	-2.73	0.36	0.00
				MFNG O-fucosylpeptide 3-beta-N-			
A_51_P231308	NM_008595	Mfng	17305	acetylglucosaminyltransferase	-3.79	0.36	0.00
A_51_P417858	NM_146231	Zfp825	235956	zinc finger protein 825	-2.96	0.36	0.00

A_52_P348720	NM_028493	Rhobtb3	73296	Rho-related BTB domain containing 3	-2.88	0.36	0.00
A_52_P195922	NM_028274	Exosc6	72544	exosome component 6	-3.40	0.36	0.00
A_52_P400613	NM_176842	Tprkb	69786	Tp53rk binding protein	-3.00	0.36	0.00
A_51_P459944	NM_011545	Tcf21	21412	transcription factor 21	-2.68	0.36	0.00
A_51_P205968	NM_026912	Snx15	69024	sorting nexin 15	-3.29	0.36	0.00
A_52_P677220	NM_016683	Zkscan5	22757	zinc finger with KRAB and SCAN domains 5	-3.12	0.36	0.00
A_51_P252784	NM_026883	1500011H2	68948	RIKEN cDNA 1500011H22 gene	-3.31	0.36	0.00
A_52_P600518	NM_001077	Tsc22d3	14605	TSC22 domain family, member 3	-1.29	0.36	0.46
A_52_P383753	NM_001039	Tom1l2	216810	target of myb1-like 2 (chicken)	-3.39	0.36	0.00
A_51_P371522	NM_172562	Tada2a	217031	transcriptional adaptor 2A	-3.43	0.36	0.00
A_51_P102257	AK053112	Tns1	21961	tensin 1	-2.41	0.36	0.00
A_51_P224564	NM_176833	Ppm1f	68606	protein phosphatase 1F (PP2C domain containing)	-3.49	0.36	0.00
A_51_P106059	NM_009423	Traf4	22032	TNF receptor associated factor 4	-2.79	0.36	0.00
A_51_P417725	NM_008841	Pik3r2	18709	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta)	-3.29	0.36	0.00
A_52_P512301	NM_019479	Hes6	55927	hairy and enhancer of split 6 (Drosophila)	-1.86	0.36	0.04
A_51_P120024	NM_001008	Pde2a	207728	phosphodiesterase 2A, cGMP-stimulated	-2.31	0.36	0.01
A_51_P300572	NM_009579	Slc30a1	22782	solute carrier family 30 (zinc transporter), member 1	-2.97	0.36	0.00
A_51_P466253	NM_144913	Mepce	231803	methylphosphate capping enzyme	-2.98	0.36	0.00
A_52_P546228	NM_019721	Mettl3	56335	methyltransferase like 3	-3.47	0.36	0.00
A_51_P474188	NM_198942	Dhx57	106794	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	-3.31	0.36	0.00
A_52_P540462	NM_001076	1810012P1	66274	RIKEN cDNA 1810012P15 gene	-3.34	0.36	0.00
A_51_P405565	NM_010830	Msh6	17688	mutS homolog 6 (E. coli)	-3.32	0.36	0.00
A_51_P460890	NM_009059	Rgl2	19732	ral guanine nucleotide dissociation stimulator-like 2	-3.56	0.36	0.00
A_52_P235954	NM_145505	Fam160b1	226252	family with sequence similarity 160, member B1	-2.61	0.36	0.00
A_51_P114563	NM_177370	Rhbdd3	279766	rhomboid domain containing 3	-3.22	0.36	0.00
A_51_P331090	NM_134126	Ift140	106633	intraflagellar transport 140 homolog (Chlamydomonas)	-3.46	0.36	0.00
A_52_P381418	NM_021435	Slc35b4	58246	solute carrier family 35, member B4	-3.16	0.36	0.00
A_52_P623538	NM_008999	Rab23	19335	RAB23, member RAS oncogene family	-2.93	0.36	0.00
A_51_P455416	NM_013871	Mapk12	29857	mitogen-activated protein kinase 12	-3.39	0.36	0.00

A_51_P515965	NM_008685	Nfe2	18022	nuclear factor, erythroid derived 2	-1.81	0.36	0.05
A_52_P347847	BC035522	AU022252	230696	expressed sequence AU022252	-3.20	0.36	0.00
A_51_P214825	NM_011959	Orc5l	26429	origin recognition complex, subunit 5-like (<i>S. cerevisiae</i>) amyotrophic lateral sclerosis 2 (juvenile) homolog	-1.84	0.36	0.04
A_52_P276776	NM_028717	Als2	74018	(human)	-2.67	0.36	0.00
A_52_P947926	AK083235	Agap1	347722	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	-2.91	0.36	0.00
A_52_P179698	NM_025412	Pycrl	66194	pyrroline-5-carboxylate reductase-like	-3.02	0.36	0.00
A_52_P175376	AK086294	Tcfcp2l1	81879	transcription factor CP2-like 1	-2.83	0.36	0.00
A_51_P220343	NM_018865	Wisp1	22402	WNT1 inducible signaling pathway protein 1	-2.62	0.36	0.00
A_51_P504624	NM_133221	Slc24a6	170756	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	-1.56	0.36	0.15
A_51_P491095	NM_028986	Gzf1	74533	GDNF-inducible zinc finger protein 1	-2.54	0.36	0.00
A_51_P246744	NM_021435	Slc35b4	58246	solute carrier family 35, member B4	-3.33	0.36	0.00
A_51_P199993	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3	-2.64	0.36	0.00
A_51_P249051	NM_133705	Pycr2	69051	pyrroline-5-carboxylate reductase family, member 2	-2.54	0.36	0.00
A_52_P869483	NM_019402	Pabpn1	54196	poly(A) binding protein, nuclear 1	-2.88	0.36	0.00
A_52_P123400	NM_027269	1110034A2	109065	RIKEN cDNA 1110034A24 gene	-3.58	0.36	0.00
A_51_P451275	NM_178723	Zfp385b	241494	zinc finger protein 385B	-1.91	0.36	0.04
A_52_P484691	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-3.21	0.36	0.00
A_52_P670850	AK008732	Mcoln1	94178	mucolipin 1	-2.55	0.36	0.00
A_51_P408100	NM_008011	Fgfr4	14186	fibroblast growth factor receptor 4	-3.21	0.36	0.00
A_51_P284898	NM_011418	Smarca1	20587	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	-3.40	0.36	0.00
A_51_P426246	NM_028301	Anks3	72615	ankyrin repeat and sterile alpha motif domain containing 3	-3.42	0.36	0.00
A_51_P246215	NM_027259	Polr2i	69920	polymerase (RNA) II (DNA directed) polypeptide I	-3.03	0.36	0.00
A_51_P321531	AF479672	Purg	75029	purine-rich element binding protein G	-3.01	0.36	0.00
A_51_P321820	NM_026445	Sumf2	67902	sulfatase modifying factor 2	-3.15	0.36	0.00

A_52_P655084	NM_001042	Tbc1d17	233204	TBC1 domain family, member 17	-3.12	0.36	0.00
A_52_P552547	AK039760	1110054M	68841	RIKEN cDNA 1110054M08 gene	-2.04	0.36	0.02
A_51_P461475	NM_007881	Atn1	13498	atrophin 1	-3.77	0.36	0.00
A_52_P499980	NM_146135	Pias3	229615	protein inhibitor of activated STAT 3	-2.30	0.36	0.01
A_52_P640413	NM_145580	Tmem149	101883	transmembrane protein 149	-2.47	0.36	0.00
A_52_P477785	NM_177016	Slc17a4	319848	solute carrier family 17 (sodium phosphate), member 4	-2.89	0.36	0.00
A_52_P506984	BC015294	Glyat	107146	glycine-N-acyltransferase	-3.13	0.36	0.00
A_51_P162116	NM_177878	Mblac1	330216	metallo-beta-lactamase domain containing 1	-2.69	0.36	0.00
A_51_P518503	NM_011385	Ski	20481	ski sarcoma viral oncogene homolog (avian)	-3.54	0.36	0.00
A_51_P196113	NM_019945	Mast1	56527	microtubule associated serine/threonine kinase 1	-3.23	0.36	0.00
A_51_P180492	NM_016974	Dbp	13170	D site albumin promoter binding protein	-2.10	0.36	0.01
A_51_P204564	U27838	Caprin1	53872	cell cycle associated protein 1	-2.38	0.36	0.01
A_51_P185882	NM_201362	Ccdc68	381175	coiled-coil domain containing 68	-3.38	0.36	0.00
A_52_P755474	BB293566	NA	NA	NA	-1.96	0.36	0.03
A_51_P142334	NM_010567	Inpp1	16332	inositol polyphosphate phosphatase-like 1	-3.13	0.36	0.00
A_51_P452506	NM_145538	Tmem189	407243	transmembrane protein 189	-2.95	0.36	0.00
A_52_P177699	NM_009330	Hnf1b	21410	HNF1 homeobox B	-2.99	0.36	0.00
A_52_P545393	NM_011862	Pacsin2	23970	protein kinase C and casein kinase substrate in neurons 2	-2.53	0.36	0.00
A_52_P481221	NM_029389	Fam35a	75698	family with sequence similarity 35, member A	-2.65	0.36	0.00
A_51_P429040	NM_146119	Fam129b	227737	family with sequence similarity 129, member B	-2.00	0.35	0.02
A_52_P669996	NM_029239	Prkd3	75292	protein kinase D3	-2.71	0.35	0.00
A_51_P121900	NM_145970	Cc2d1a	212139	coiled-coil and C2 domain containing 1A	-3.21	0.35	0.00
A_51_P116699	NM_025905	Ttc23	67009	tetratricopeptide repeat domain 23	-3.04	0.35	0.00
A_52_P218271	AK080508	A730063M	320368	RIKEN cDNA A730063M14 gene	-2.98	0.35	0.00
A_51_P341255	AK078885	AI842136	102596	expressed sequence AI842136	-3.60	0.35	0.00
A_52_P16136	AK017596	D10Bwg10'	52902	DNA segment, Chr 10, Brigham & Women's Genetics 1070 expressed	-2.32	0.35	0.01
A_51_P408329	AK089570	NA	NA	NA	-2.89	0.35	0.00
A_51_P368543	NM_022419	Abhd8	64296	abhydrolase domain containing 8	-2.94	0.35	0.00
A_52_P284495	NM_026153	Ankrd33b	67434	ankyrin repeat domain 33B	-1.95	0.35	0.03
A_51_P234303	D00812	Rpa2	19891	replication protein A2	-3.36	0.35	0.00

A_51_P310850	AK084512	Plekha6	240753	pleckstrin homology domain containing, family A member 6	-2.38	0.35	0.01
A_51_P197043	NM_028875	Xrcc3	74335	X-ray repair complementing defective repair in Chinese hamster cells 3	-3.37	0.35	0.00
A_51_P234308	NM_011284	Rpa2	19891	replication protein A2	-3.45	0.35	0.00
A_51_P223583	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-2.71	0.35	0.00
A_51_P433837	NM_001033	Slc22a23	73102	solute carrier family 22, member 23	-3.07	0.35	0.00
A_52_P506516	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-3.13	0.35	0.00
A_52_P615401	NM_011906	Tpra1	24100	transmembrane protein, adipocyte associated 1	-2.73	0.35	0.00
A_52_P355075	NM_139154	Rab40c	224624	Rab40c, member RAS oncogene family	-3.61	0.35	0.00
A_52_P290211	AK040611	Meis2	17536	Meis homeobox 2	-2.80	0.35	0.00
A_52_P320202	AK220477	Nhlrc3	212114	NHL repeat containing 3	-3.17	0.35	0.00
A_51_P365903	NM_026187	Ankzf1	52231	ankyrin repeat and zinc finger domain containing 1	-3.56	0.35	0.00
A_51_P303739	NM_178928	Afap111	106877	actin filament associated protein 1-like 1	-3.15	0.35	0.00
A_51_P437897	NM_025319	0610009B2	66050	RIKEN cDNA 0610009B22 gene	-2.51	0.35	0.00
A_52_P197627	NM_009471	Umps	22247	uridine monophosphate synthetase	-3.15	0.35	0.00
A_52_P635271	NM_201646	Btbd6	399566	BTB (POZ) domain containing 6	-3.13	0.35	0.00
A_52_P672532	NM_183251	1810020D1	166273	RIKEN cDNA 1810020D17 gene	-2.39	0.35	0.01
A_51_P362538	XM_001004	Syde2	214804	synapse defective 1, Rho GTPase, homolog 2 (C. elegans)	-3.44	0.35	0.00
A_51_P150912	NM_011497	Aurka	20878	aurora kinase A	-2.46	0.35	0.00
A_51_P383800	BC050890	Fancg	60534	Fanconi anemia, complementation group G	-3.17	0.35	0.00
A_51_P316801	NM_146039	Wdr60	217935	WD repeat domain 60	-3.17	0.35	0.00
A_52_P633410	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated protein-like 1	-3.64	0.35	0.00
A_52_P884092	AK082796	C330020G1	109343	RIKEN cDNA C330020G15 gene	-3.36	0.35	0.00
A_51_P237915	NM_146258	Stard13	243362	StAR-related lipid transfer (START) domain containing 13	-3.14	0.35	0.00
A_52_P482203	NM_199033	Tsen2	381802	tRNA splicing endonuclease 2 homolog (S. cerevisiae)	-2.90	0.35	0.00
A_51_P199608	NM_178869	Ttll1	319953	tubulin tyrosine ligase-like 1	-3.50	0.35	0.00
A_51_P142421	NM_138683	Rspo1	192199	R-spondin homolog (Xenopus laevis)	-1.79	0.35	0.06
A_52_P135022	NM_176831	Ppcdc	66812	phosphopantothenoylecysteine decarboxylase	-3.13	0.35	0.00

A_51_P507942	NM_029097	Atp13a2	74772	ATPase type 13A2	-3.55	0.35	0.00
A_52_P343326	NM_172866	Rgp1	242406	RGP1 retrograde golgi transport homolog (<i>S. cerevisiae</i>)	-3.50	0.35	0.00
A_51_P318804	NM_029031	Shpk	74637	sedoheptulokinase	-2.89	0.35	0.00
A_51_P109050	NM_023824	Paqr4	76498	progesterin and adipoQ receptor family member IV	-3.34	0.35	0.00
A_51_P278034	NM_027356	Ufsp1	70240	UFM1-specific peptidase 1	-3.68	0.35	0.00
A_51_P211968	NM_025304	Lcmt1	30949	leucine carboxyl methyltransferase 1	-3.23	0.35	0.00
A_51_P462556	AK143982	Gm10658	1E+08	predicted gene 10658	-3.34	0.35	0.00
A_51_P211822	NM_001013	Neurl4	216860	neuralized homolog 4 (<i>Drosophila</i>)	-3.02	0.35	0.00
A_52_P130952	NM_145434	Nr1d1	217166	nuclear receptor subfamily 1, group D, member 1	-2.87	0.35	0.00
A_52_P475080	NM_029847	Arsk	77041	arylsulfatase K	-2.99	0.35	0.00
A_52_P306065	AK020957	Nuak1	77976	NUAK family, SNF1-like kinase, 1	-2.68	0.35	0.00
A_52_P75584	AK044272	NA	NA	NA	-1.87	0.35	0.04
A_52_P78423	AK039175	5330421C1	78279	RIKEN cDNA 5330421C15 gene	-3.20	0.35	0.00
A_51_P255142	NM_016916	Blcap	53619	bladder cancer associated protein homolog (human)	-3.36	0.35	0.00
A_52_P539161	NM_021557	Rdh11	17252	retinol dehydrogenase 11	-3.12	0.35	0.00
A_52_P11388	NM_008149	Gpam	14732	glycerol-3-phosphate acyltransferase, mitochondrial	-2.15	0.35	0.01
A_51_P243194	NM_178612	Cnpy4	66455	canopy 4 homolog (zebrafish)	-3.01	0.35	0.00
A_51_P271591	AK090305	Arl10	56795	ADP-ribosylation factor-like 10	-2.79	0.35	0.00
A_52_P647906	XM_986527	NA	NA	NA	-2.12	0.35	0.01
A_52_P89425	NM_008787	Pcnt	18541	pericentrin (kendrin)	-3.88	0.35	0.00
A_51_P387400	NM_026535	Serpina12	68054	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12	-1.48	0.35	0.20
A_52_P202044	AK034200	933016201	493800	cDNA RIKEN 9330162012 gene	-3.28	0.35	0.00
A_51_P291304	BG970498	NA	NA	NA	-2.92	0.35	0.00
A_51_P276321	BC059842	Szt2	230676	seizure threshold 2	-3.69	0.35	0.00
A_52_P297032	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	-3.48	0.35	0.00
A_51_P356355	AK017654	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-2.83	0.34	0.00
A_52_P29879	NM_054046	Def8	23854	differentially expressed in FDCP 8	-3.69	0.34	0.00
A_52_P595854	NM_026078	Pigc	67292	phosphatidylinositol glycan anchor biosynthesis, class C	-2.78	0.34	0.00

A_51_P256323	AK220156	Lpin2	64898	lipin 2	-3.28	0.34	0.00
A_52_P119393	NM_054082	Mta3	116871	metastasis associated 3	-3.93	0.34	0.00
A_52_P683225	AK039665	Taok3	330177	TAO kinase 3	-3.06	0.34	0.00
A_51_P228295	NM_001001	Mpzl1	68481	myelin protein zero-like 1	-4.09	0.34	0.00
A_51_P337125	NM_010566	Inpp5d	16331	inositol polyphosphate-5-phosphatase D carbamoyl-phosphate synthetase 2, aspartate	-3.80	0.34	0.00
A_52_P16098	NM_023525	Cad	69719	transcarbamylase, and dihydroorotase	-2.71	0.34	0.00
A_51_P111259	NM_026373	Cdk2ap2	52004	CDK2-associated protein 2	-3.29	0.34	0.00
A_51_P332217	NM_181418	Ushbp1	234395	Usher syndrome 1C binding protein 1	-2.80	0.34	0.00
A_52_P124320	AK122247	Khynyn	219094	KH and NYN domain containing	-2.84	0.34	0.00
A_52_P340178	NM_178741	Klhl8	246293	kelch-like 8 (Drosophila)	-3.29	0.34	0.00
A_51_P122085	NM_028846	Usp20	74270	ubiquitin specific peptidase 20	-2.59	0.34	0.00
A_52_P678942	AK147538	Plxnb2	140570	plexin B2	-2.22	0.34	0.01
A_51_P487298	NM_139307	Vasn	246154	vasorin	-2.60	0.34	0.00
A_52_P644210	AK019026	Cul9	78309	cullin 9	-2.97	0.34	0.00
A_51_P185332	AK147270	1700020I14	66602	RIKEN cDNA 1700020I14 gene	-3.40	0.34	0.00
A_51_P357759	NM_008876	Plid2	18806	phospholipase D2	-2.96	0.34	0.00
A_51_P256957	NM_146033	Ankmy2	217473	ankyrin repeat and MYND domain containing 2	-4.00	0.34	0.00
A_51_P446825	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-2.14	0.34	0.01
A_52_P48976	AK033890	Il17rc	171095	interleukin 17 receptor C	-2.13	0.34	0.01
A_51_P143915	NM_025607	Rnf181	66510	ring finger protein 181	-3.76	0.34	0.00
A_51_P264064	NM_016692	Incenp	16319	inner centromere protein	-2.91	0.34	0.00
A_52_P472319	AK147513	Plxnd1	67784	plexin D1	-2.95	0.34	0.00
A_52_P193941	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-2.98	0.34	0.00
A_51_P113274	NM_176785	Hps6	20170	Hermansky-Pudlak syndrome 6	-3.60	0.34	0.00
A_52_P491842	NM_023336	Brd3	67382	bromodomain containing 3	-3.55	0.34	0.00
A_52_P584188	NM_008043	Frat1	14296	frequently rearranged in advanced T-cell lymphomas	-2.82	0.34	0.00
A_51_P184197	NM_031878	Smarcd2	83796	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	-3.67	0.34	0.00
A_51_P496309	NM_001024	Rfx4	71137	regulatory factor X, 4 (influences HLA class II expression)	-2.42	0.34	0.00
A_52_P1189140	AK140790	NA	NA	NA	-1.71	0.34	0.07

A_51_P429366	NM_019479	Hes6	55927	hairy and enhancer of split 6 (Drosophila)	-2.13	0.34	0.01
A_51_P399853	NM_133218	Zfp704	170753	zinc finger protein 704	-2.96	0.34	0.00
A_51_P325501	NM_053250	Crip3	114570	cysteine-rich protein 3	-3.46	0.34	0.00
A_52_P11833	AK157673	Opa3	403187	optic atrophy 3 (human)	-3.62	0.34	0.00
A_51_P229925	NM_021715	Chst7	60322	carbohydrate (N-acetylglucosamino) sulfotransferase 7	-3.55	0.34	0.00
A_51_P314153	NM_001025	Nr2c2ap	75692	nuclear receptor 2C2-associated protein nudix (nucleoside diphosphate linked moiety X)-type	-3.58	0.34	0.00
A_52_P492601	NM_153136	Nudt18	213484	motif 18	-2.53	0.34	0.00
A_51_P329512	NM_001013	Rreb1	68750	ras responsive element binding protein 1	-2.33	0.34	0.01
A_51_P209666	AK014617	Atl3	109168	atlastin GTPase 3	-3.34	0.34	0.00
A_51_P459070	NM_024251	Aplf	72103	aprataxin and PNKP like factor	-3.62	0.34	0.00
A_51_P185247	NM_145741	Gdf10	14560	growth differentiation factor 10	-2.89	0.34	0.00
A_51_P364391	NM_175184	Fam125b	72543	family with sequence similarity 125, member B	-4.09	0.34	0.00
A_51_P503797	NM_178611	Lair1	52855	leukocyte-associated Ig-like receptor 1 methylmalonic aciduria (cobalamin deficiency) type B	-3.80	0.34	0.00
A_52_P111830	NM_029956	Mmab	77697	homolog (human)	-2.74	0.34	0.00
A_51_P450536	NM_028170	1700030K072254		RIKEN cDNA 1700030K09 gene	-3.44	0.34	0.00
A_52_P215798	NM_025687	Tex12	66654	testis expressed gene 12	-3.20	0.34	0.00
A_51_P376321	NM_145828	Xylt2	217119	xylosyltransferase II	-3.39	0.34	0.00
A_52_P54280	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (S. pombe) minichromosome maintenance deficient 7 (S.	-2.18	0.34	0.01
A_51_P165704	NM_008568	Mcm7	17220	cerevisiae)	-3.76	0.34	0.00
A_51_P392303	NM_010733	Lrrn3	16981	leucine rich repeat protein 3, neuronal	-2.94	0.34	0.00
A_51_P480881	NM_021513	Thap11	59016	THAP domain containing 11	-3.14	0.34	0.00
A_52_P185044	NM_197985	Adipor2	68465	adiponectin receptor 2	-2.75	0.34	0.00
A_52_P677891	BC034069	Fam174b	1E+08	family with sequence similarity 174, member B	-2.87	0.34	0.00
A_51_P406126	AK019577	4930414L2	78108	RIKEN cDNA 4930414L22 gene	-3.59	0.34	0.00
A_51_P270899	NM_009561	Zfp61	22719	zinc finger protein 61	-3.61	0.34	0.00
A_51_P356012	NM_027949	Phf7	71838	PHD finger protein 7	-3.10	0.34	0.00
A_51_P454447	NM_028505	1700040I0:73327		RIKEN cDNA 1700040I03 gene	-3.82	0.34	0.00
A_51_P293706	NM_025479	2810021B0	66308	RIKEN cDNA 2810021B07 gene	-3.37	0.34	0.00
A_51_P369971	AK172241	5730455O1	70567	RIKEN cDNA 5730455O13 gene	-3.08	0.34	0.00

A_51_P211573	NM_181400	Wdr47	99512	WD repeat domain 47	-3.18	0.34	0.00
A_52_P679380	AK209324	NA	NA	NA	-3.66	0.34	0.00
A_51_P130374	NM_013690	Tek	21687	endothelial-specific receptor tyrosine kinase	-2.30	0.34	0.01
A_52_P397204	NM_007783	Csk	12988	c-src tyrosine kinase	-3.17	0.34	0.00
A_51_P290986	NM_007856	Dhcr7	13360	7-dehydrocholesterol reductase	-3.12	0.34	0.00
A_51_P440047	NM_173752	1110067D2	216551	RIKEN cDNA 1110067D22 gene	-2.23	0.34	0.01
A_51_P305508	NM_181988	Rerg	232441	RAS-like, estrogen-regulated, growth-inhibitor	-3.13	0.33	0.00
A_52_P297731	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-3.22	0.33	0.00
A_52_P370203	NM_021878	Jarid2	16468	jumonji, AT rich interactive domain 2	-4.07	0.33	0.00
A_52_P403398	AK090147	lhh	16147	Indian hedgehog	-3.18	0.33	0.00
A_51_P311905	AK011270	261000211	72341	RIKEN cDNA 2610002117	-3.45	0.33	0.00
A_51_P507509	NM_008376	Gimap1	16205	GTPase, IMAP family member 1	-3.68	0.33	0.00
A_52_P259335	BC060651	Fkbp15	338355	FK506 binding protein 15	-3.11	0.33	0.00
A_51_P145662	NM_029465	Clec4g	75863	C-type lectin domain family 4, member g	-2.34	0.33	0.01
A_51_P489108	NM_153391	Wdr19	213081	WD repeat domain 19	-4.27	0.33	0.00
A_51_P450487	NM_009270	Sqle	20775	squalene epoxidase	-2.56	0.33	0.00
A_52_P669005	NM_023624	Lrat	79235	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)	-3.29	0.33	0.00
A_51_P194377	NM_021567	Pcbp4	59092	poly(rC) binding protein 4	-3.58	0.33	0.00
A_51_P119633	NM_008043	Frat1	14296	frequently rearranged in advanced T-cell lymphomas amyotrophic lateral sclerosis 2 (juvenile) homolog	-2.83	0.33	0.00
A_52_P311297	NM_028717	Als2	74018	(human)	-3.55	0.33	0.00
A_51_P128987	NM_008012	Akr1b8	14187	aldo-keto reductase family 1, member B8	-2.71	0.33	0.00
A_52_P438084	NM_008860	Prkcz	18762	protein kinase C, zeta	-2.78	0.33	0.00
A_51_P109741	AK155405	Neil1	72774	nei endonuclease VIII-like 1 (E. coli)	-4.28	0.33	0.00
A_51_P484919	NM_172551	Polrmt	216151	polymerase (RNA) mitochondrial (DNA directed)	-3.44	0.33	0.00
A_51_P508411	NM_177856	E130311K1	329659	RIKEN cDNA E130311K13 gene	-3.26	0.33	0.00
A_51_P228974	NM_025671	Ogfod2	66627	2-oxoglutarate and iron-dependent oxygenase domain containing 2	-3.20	0.33	0.00
A_51_P403578	AK007907	1810059H2	69820	RIKEN cDNA 1810059H22 gene	-2.97	0.33	0.00
A_51_P132849	NM_178597	Camk2g	12325	calcium/calmodulin-dependent protein kinase II gamma	-3.56	0.33	0.00
A_52_P556710	NM_025708	Tmem186	66690	transmembrane protein 186	-3.66	0.33	0.00

				guanine nucleotide binding protein (G protein), gamma			
A_51_P383774	NM_010314	Gngt1	14699	transducing activity polypeptide 1	-2.28	0.33	0.01
A_51_P172155	NM_010401	Hal	15109	histidine ammonia lyase	-3.59	0.33	0.00
A_52_P390448	NA	NA	NA	NA	-3.32	0.33	0.00
A_52_P376502	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-2.46	0.33	0.00
A_52_P859747	AK050399	Gm1381	384198	predicted gene 1381	-2.08	0.33	0.02
A_52_P506217	NM_007485	Rhod	11854	ras homolog gene family, member D	-2.56	0.33	0.00
A_51_P517157	NM_028766	Tmem43	74122	transmembrane protein 43	-3.19	0.33	0.00
A_51_P250445	NM_020497	Zfp276	57247	zinc finger protein (C2H2 type) 276	-3.68	0.33	0.00
A_51_P519700	NM_008624	Mras	17532	muscle and microspikes RAS	-2.76	0.33	0.00
A_51_P209996	M19413	Tuba-rs1	26947	tubulin alpha, related sequence 1	-3.82	0.33	0.00
A_51_P392705	NM_009531	Xpc	22591	xeroderma pigmentosum, complementation group C	-3.31	0.33	0.00
A_52_P642879	NM_145564	Fbxo21	231670	F-box protein 21	-3.27	0.33	0.00
				serine (or cysteine) peptidase inhibitor, clade A (alpha-1			
A_51_P131315	NM_027997	Serpina9	71907	antiproteinase, antitrypsin), member 9	-1.98	0.33	0.03
A_52_P370473	BC043039	Msl1	74026	male-specific lethal 1 homolog (Drosophila)	-3.75	0.33	0.00
A_51_P212038	NM_133764	Atp6v0e2	76252	ATPase, H ⁺ transporting, lysosomal V0 subunit E2	-2.83	0.33	0.00
A_51_P222453	NM_025311	D14Ertd449e	66039	DNA segment, Chr 14, ERATO Doi 449, expressed	-2.76	0.33	0.00
A_52_P633550	AK053579	Ghr	14600	growth hormone receptor	-2.69	0.33	0.00
A_51_P348749	NM_145438	Llg12	217325	lethal giant larvae homolog 2 (Drosophila)	-3.34	0.33	0.00
				G protein-coupled receptor, family C, group 5, member			
A_52_P405460	BC008228	Gprc5c	70355	C	-2.68	0.33	0.00
A_51_P126626	NM_145459	Zfp503	218820	zinc finger protein 503	-3.30	0.33	0.00
A_51_P219385	NM_011383	Six5	20475	sine oculis-related homeobox 5 homolog (Drosophila)	-3.19	0.33	0.00
A_51_P151371	NM_028316	Zfp444	72667	zinc finger protein 444	-3.84	0.33	0.00
A_52_P685021	NM_021704	Cxcl12	20315	chemokine (C-X-C motif) ligand 12	-2.67	0.33	0.00
A_51_P226429	NM_153514	Rhobtb2	246710	Rho-related BTB domain containing 2	-3.96	0.33	0.00
A_52_P547662	NM_008772	P2ry1	18441	purinergic receptor P2Y, G-protein coupled 1	-3.44	0.33	0.00
A_51_P344301	AK021019	Svil	225115	supervillin	-2.88	0.33	0.00
A_52_P555629	AK129160	Zfp862	58894	zinc finger protein 862	-2.78	0.33	0.00
A_51_P261351	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-3.55	0.33	0.00
A_52_P245415	AK220161	AW554918	225289	expressed sequence AW554918	-4.10	0.33	0.00

A_51_P393654	NM_175514	Fam171b	241520	family with sequence similarity 171, member B	-3.27	0.33	0.00
A_52_P94811	NM_145828	Xylt2	217119	xylosyltransferase II	-3.78	0.33	0.00
A_51_P114634	NM_173405	Amz1	231842	archaelysin family metallopeptidase 1	-3.43	0.33	0.00
A_52_P7147	NM_175133	1110038D168778		RIKEN cDNA 1110038D17 gene	-2.99	0.33	0.00
A_52_P261868	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-2.86	0.33	0.00
A_51_P116932	NM_133664	Lad1	16763	ladinin	-2.83	0.33	0.00
A_52_P64383	NM_023184	Klf15	66277	Kruppel-like factor 15	-2.77	0.33	0.00
A_51_P280304	NM_011876	Twf2	23999	twinfilin, actin-binding protein, homolog 2 (Drosophila)	-3.82	0.33	0.00
A_51_P519696	NM_008624	Mras	17532	muscle and microspikes RAS protein kinase C and casein kinase substrate in neurons	-4.25	0.33	0.00
A_51_P390884	NM_011862	Pacsin2	23970	2	-2.92	0.33	0.00
A_51_P209736	NM_153778	Atoh8	71093	atonal homolog 8 (Drosophila)	-3.22	0.33	0.00
A_51_P386389	NM_025914	Actr6	67019	ARP6 actin-related protein 6 homolog (yeast)	-3.77	0.33	0.00
A_51_P288828	NM_029643	Gpr172b	52710	G protein-coupled receptor 172B	-3.34	0.33	0.00
A_52_P421698	NM_027816	Cyp2u1	71519	cytochrome P450, family 2, subfamily u, polypeptide 1	-3.35	0.32	0.00
A_52_P254789	NM_021296	Grpel2	17714	GrpE-like 2, mitochondrial	-2.73	0.32	0.00
A_52_P378791	NM_153514	Rhobtb2	246710	Rho-related BTB domain containing 2	-3.53	0.32	0.00
A_51_P334490	NM_172286	6430548M08	234797	RIKEN cDNA 6430548M08 gene	-3.08	0.32	0.00
A_52_P645862	NM_177322	Agtr1a	11607	angiotensin II receptor, type 1a	-3.57	0.32	0.00
A_52_P595162	NM_026573	Upf3b	68134	UPF3 regulator of nonsense transcripts homolog B (yeast)	-4.29	0.32	0.00
A_51_P304296	NA	NA	NA	NA	-3.01	0.32	0.00
A_52_P322544	NM_198103	Exoc8	102058	exocyst complex component 8	-3.64	0.32	0.00
A_51_P435339	NM_010149	Epor	13857	erythropoietin receptor	-3.13	0.32	0.00
A_51_P263407	AK028913	Itpripl1	73338	inositol 1,4,5-triphosphate receptor interacting protein-like 1	-3.23	0.32	0.00
A_51_P162471	NM_134081	Dnajc9	108671	Dnaj (Hsp40) homolog, subfamily C, member 9	-3.57	0.32	0.00
A_52_P55772	NM_009325	Tbxa2r	21390	thromboxane A2 receptor	-3.44	0.32	0.00
A_52_P435016	NM_019572	Hdac7	56233	histone deacetylase 7	-3.15	0.32	0.00
A_52_P184145	NM_145564	Fbxo21	231670	F-box protein 21	-2.88	0.32	0.00
A_52_P684402	NM_013782	Ptdss2	27388	phosphatidylserine synthase 2	-3.67	0.32	0.00
A_52_P499251	AK020717	Cryl1	68631	crystallin, lambda 1	-2.82	0.32	0.00

A_51_P102507	NM_029929	Vps33a	77573	vacuolar protein sorting 33A (yeast)	-3.16	0.32	0.00
A_51_P492408	NM_026784	Pmvk	68603	phosphomevalonate kinase	-2.56	0.32	0.00
A_52_P8059	NM_020011	Sphk2	56632	sphingosine kinase 2	-3.16	0.32	0.00
A_52_P536494	NM_008709	Mycn	18109	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	-2.80	0.32	0.00
A_51_P486943	NM_133710	Ctdspl	69274	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-3.65	0.32	0.00
A_52_P305307	NM_011894	Sh3bp5	24056	SH3-domain binding protein 5 (BTK-associated)	-3.42	0.32	0.00
A_51_P240287	X51971	Car5a	12352	carbonic anhydrase 5a, mitochondrial	-2.46	0.32	0.00
A_51_P371876	NM_027230	Zmynd8	228880	zinc finger, MYND-type containing 8	-2.78	0.32	0.00
A_52_P167166	AK047842	Shprh	268281	SNF2 histone linker PHD RING helicase	-2.22	0.32	0.01
A_51_P195875	NM_010929	Notch4	18132	Notch gene homolog 4 (Drosophila)	-3.90	0.32	0.00
A_51_P435911	NM_133943	Hsd3b7	101502	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	-3.65	0.32	0.00
A_52_P441634	NM_177960	Idi1	319554	isopentenyl-diphosphate delta isomerase	-2.46	0.32	0.00
A_51_P471502	NM_028049	Fbxo22	71999	F-box protein 22	-3.82	0.32	0.00
A_52_P74653	NM_001039	Cnnm3	94218	cyclin M3	-3.59	0.32	0.00
A_51_P196596	NM_030706	Trim2	80890	tripartite motif-containing 2	-2.77	0.32	0.00
A_52_P1052029	AK031632	NA	NA	NA	-3.20	0.32	0.00
A_52_P553443	AK083983	D730040F1242474		RIKEN cDNA D730040F13 gene	-3.32	0.32	0.00
A_51_P245275	NM_010436	H2afx	15270	H2A histone family, member X	-2.59	0.32	0.00
A_51_P401921	NM_011480	Srebf1	20787	sterol regulatory element binding transcription factor 1	-3.54	0.32	0.00
A_51_P191331	NM_011379	Sipa1	20469	signal-induced proliferation associated gene 1	-4.05	0.32	0.00
A_51_P154534	NM_139063	Muted	17828	muted	-3.90	0.32	0.00
A_52_P260659	NM_001039	Kcnj10	16513	potassium inwardly-rectifying channel, subfamily J, member 10	-3.13	0.32	0.00
A_52_P509752	NM_011235	Rad51l3	19364	RAD51-like 3 (S. cerevisiae)	-3.13	0.32	0.00
A_51_P488333	AK037504	A130022F0320441		RIKEN cDNA A130022F02 gene	-2.75	0.32	0.00
A_51_P288505	NM_001033	Tradd	71609	TNFRSF1A-associated via death domain	-3.54	0.32	0.00
A_52_P429774	NM_146105	Cnst	226744	consortin, connexin sorting protein	-3.29	0.32	0.00
A_52_P268269	AK003909	Tmem205	235043	transmembrane protein 205	-2.88	0.32	0.00
A_51_P140641	NM_145570	Fam176a	232146	family with sequence similarity 176, member A	-2.50	0.32	0.00

A_52_P112139	NM_199302	Lrsam1	227738	leucine rich repeat and sterile alpha motif containing 1	-2.89	0.32	0.00
A_52_P110646	NM_026187	Ankzf1	52231	ankyrin repeat and zinc finger domain containing 1 solute carrier family 36 (proton/amino acid symporter),	-3.53	0.32	0.00
A_51_P338563	AK017918	Slc36a1	215335	member 1	-3.53	0.32	0.00
A_51_P360896	NM_029236	Bcdin3d	75284	BCDIN3 domain containing	-3.36	0.32	0.00
A_52_P414485	AK164057	Rab23	19335	RAB23, member RAS oncogene family par-6 (partitioning defective 6) homolog beta (C.	-3.15	0.32	0.00
A_52_P37123	BC025147	Pard6b	58220	elegans)	-3.32	0.32	0.00
A_51_P279623	NM_030240	2900092E1	67278	RIKEN cDNA 2900092E17 gene	-3.72	0.32	0.00
A_52_P614762	AK029400	Bad	12015	BCL2-associated agonist of cell death	-4.05	0.32	0.00
A_51_P182174	NM_019831	Zmym3	56364	zinc finger, MYM-type 3	-3.78	0.32	0.00
A_52_P193194	NM_001001	Slc35d2	70484	solute carrier family 35, member D2	-2.83	0.32	0.00
A_52_P163795	NM_011655	Tubb5	22154	tubulin, beta 5	-3.98	0.32	0.00
A_52_P406191	XM_985521	NA	NA	NA	-3.71	0.32	0.00
A_51_P107282	NM_181516	Taz	66826	tafazzin	-4.38	0.32	0.00
A_51_P335000	NM_001077	Fhl1	14199	four and a half LIM domains 1	-2.52	0.32	0.00
A_52_P338626	NM_028995	Nipal3	74552	NIPA-like domain containing 3	-3.66	0.32	0.00
A_52_P180972	NA	NA	NA	NA	-3.30	0.32	0.00
A_51_P227445	NA	NA	NA	NA	-2.31	0.31	0.01
A_51_P499530	NM_133971	Ankrd10	102334	ankyrin repeat domain 10	-2.32	0.31	0.01
A_51_P124276	U05247	Csk	12988	c-src tyrosine kinase	-3.25	0.31	0.00
A_52_P488427	NM_144520	Sec14l2	67815	SEC14-like 2 (<i>S. cerevisiae</i>)	-3.73	0.31	0.00
A_52_P11174	AK147269	Hip1	215114	huntingtin interacting protein 1	-3.48	0.31	0.00
A_51_P199987	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3 ELOVL family member 5, elongation of long chain fatty	-2.80	0.31	0.00
A_52_P676944	NM_134255	Elovf5	68801	acids (yeast)	-2.96	0.31	0.00
A_52_P68175	NM_001033	C77080	97130	expressed sequence C77080	-3.08	0.31	0.00
A_51_P412526	AK035704	4921513D2	223989	RIKEN cDNA 4921513D23 gene	-2.07	0.31	0.02
A_51_P142258	NM_133707	1810019J1	69073	RIKEN cDNA 1810019J16 gene	-3.50	0.31	0.00
A_51_P430555	NM_175935	G6pc3	68401	glucose 6 phosphatase, catalytic, 3	-3.58	0.31	0.00
A_51_P380249	NM_028722	Msl1	74026	male-specific lethal 1 homolog (<i>Drosophila</i>)	-3.80	0.31	0.00

A_52_P541175	NM_183195	Marveld1	277010	MARVEL (membrane-associating) domain containing 1	-2.95	0.31	0.00
A_51_P238734	NM_178620	Mfsd11	69900	major facilitator superfamily domain containing 11	-3.86	0.31	0.00
A_52_P626059	NM_011876	Twf2	23999	twinfilin, actin-binding protein, homolog 2 (Drosophila)	-3.62	0.31	0.00
A_52_P519943	BC044804	Fads6	328035	fatty acid desaturase domain family, member 6	-3.81	0.31	0.00
A_51_P477768	NM_198616	Ccdc85b	240514	coiled-coil domain containing 85B	-3.03	0.31	0.00
A_52_P275354	XM_895142	NA	NA	NA	-3.60	0.31	0.00
A_51_P379798	NM_134469	Fdps	110196	farnesyl diphosphate synthetase	-2.86	0.31	0.00
A_51_P208019	NM_027859	Rnf215	71673	ring finger protein 215	-3.90	0.31	0.00
A_51_P327796	NM_010580	Itgb5	16419	integrin beta 5	-4.28	0.31	0.00
A_51_P356353	NM_138651	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-4.07	0.31	0.00
A_52_P277205	NM_011780	Adam23	23792	a disintegrin and metallopeptidase domain 23	-2.65	0.31	0.00
A_52_P574720	NM_010959	Oit3	18302	oncoprotein induced transcript 3	-3.79	0.31	0.00
A_52_P620496	AK031480	Gpr182	11536	G protein-coupled receptor 182	-2.60	0.31	0.00
A_51_P259726	NM_054046	Def8	23854	differentially expressed in FDCP 8	-3.93	0.31	0.00
A_52_P13802	NM_009824	Cbfa2t3	12398	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 (human)	-4.39	0.31	0.00
A_51_P342707	NM_008894	Pold2	18972	polymerase (DNA directed), delta 2, regulatory subunit	-3.37	0.31	0.00
A_52_P260818	NM_130859	Card10	105844	caspase recruitment domain family, member 10	-3.05	0.31	0.00
A_52_P366666	NM_172442	Dtx4	207521	deltex 4 homolog (Drosophila)	-3.23	0.31	0.00
A_51_P494863	NM_178926	Vmac	106639	vimentin-type intermediate filament associated coiled-coil protein	-3.32	0.31	0.00
A_51_P361022	NM_023223	Cdc20	107995	cell division cycle 20 homolog (S. cerevisiae)	-1.89	0.31	0.04
A_51_P114372	NM_027877	Mus81	71711	MUS81 endonuclease homolog (yeast)	-3.70	0.31	0.00
A_51_P384033	NM_011183	Psen2	19165	presenilin 2	-3.75	0.31	0.00
A_51_P115268	XM_132817	NA	NA	NA	-2.69	0.31	0.00
A_51_P232434	AK162873	Abhd1	57742	abhydrolase domain containing 1	-2.17	0.31	0.01
A_52_P645790	NM_029581	Mtif3	76366	mitochondrial translational initiation factor 3	-4.19	0.31	0.00
A_52_P219913	AK157271	Cdan1	68968	congenital dyserythropoietic anemia, type I (human)	-3.89	0.31	0.00

A_51_P372585	NM_019742	Tusc2	80385	tumor suppressor candidate 2	-4.03	0.31	0.00
A_52_P473953	NM_133710	Ctdspl	69274	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-3.96	0.31	0.00
A_51_P337510	NM_019421	Cd320	54219	CD320 antigen	-4.45	0.31	0.00
A_51_P380129	AK018651	Dnase2a	13423	deoxyribonuclease II alpha	-2.86	0.31	0.00
A_51_P360918	NM_020578	Ehd3	57440	EH-domain containing 3	-3.29	0.31	0.00
A_52_P648688	NM_172785	Zc3h12d	237256	zinc finger CCCH type containing 12D	-3.32	0.31	0.00
A_52_P45841	NM_028976	Gorasp1	74498	golgi reassembly stacking protein 1	-3.94	0.31	0.00
A_51_P216211	NM_197992	Pcgf1	69837	polycomb group ring finger 1	-3.36	0.31	0.00
A_51_P242560	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-3.41	0.31	0.00
A_52_P385206	BC094315	Harbi1	241547	harbinger transposase derived 1	-3.85	0.31	0.00
A_52_P469782	NM_146228	Als2cl	235633	ALS2 C-terminal like	-4.14	0.31	0.00
A_52_P419247	NM_030706	Trim2	80890	tripartite motif-containing 2	-3.22	0.31	0.00
A_52_P494380	NM_199011	Dgkq	110524	diacylglycerol kinase, theta	-4.12	0.31	0.00
A_52_P660047	AK143964	1810034E1	66503	RIKEN cDNA 1810034E14 gene	-3.89	0.31	0.00
A_52_P406507	NM_027877	Mus81	71711	MUS81 endonuclease homolog (yeast)	-4.41	0.31	0.00
A_52_P550325	NM_010604	Kcnj16	16517	potassium inwardly-rectifying channel, subfamily J, member 16	-2.57	0.31	0.00
A_51_P466828	NA	NA	NA	NA	-3.95	0.31	0.00
A_51_P383737	NM_145611	Kank2	235041	KN motif and ankyrin repeat domains 2	-3.79	0.30	0.00
A_52_P601437	NM_009345	Dntt	21673	deoxynucleotidyltransferase, terminal	-1.70	0.30	0.09
A_51_P468876	NM_178118	Dixdc1	330938	DIX domain containing 1	-1.21	0.30	0.61
A_52_P671502	AK047515	9930021J0	240613	RIKEN cDNA 9930021J03 gene	-3.08	0.30	0.00
A_51_P293077	NM_008583	Men1	17283	multiple endocrine neoplasia 1	-4.06	0.30	0.00
A_51_P155997	NM_029850	Bcl7a	77045	B-cell CLL/lymphoma 7A	-2.79	0.30	0.00
A_51_P301848	NM_133345	Ing4	28019	inhibitor of growth family, member 4	-4.04	0.30	0.00
A_51_P147684	X76653	Nr2f2	11819	nuclear receptor subfamily 2, group F, member 2	-3.03	0.30	0.00
A_51_P188602	NM_198424	Orai3	269999	ORAI calcium release-activated calcium modulator 3	-3.54	0.30	0.00
A_52_P24648	NM_001003	Kdm2b	30841	lysine (K)-specific demethylase 2B	-2.78	0.30	0.00
A_52_P674357	NM_153083	Thtpa	105663	thiamine triphosphatase	-3.76	0.30	0.00
A_52_P356313	XM_001005	NA	NA	NA	-3.18	0.30	0.00
A_52_P279368	NM_011441	Sox17	20671	SRY-box containing gene 17	-3.93	0.30	0.00
A_51_P512981	NM_026845	Ppil1	68816	peptidylprolyl isomerase (cyclophilin)-like 1	-3.00	0.30	0.00

A_51_P479786	NM_013870	Smtn	29856	smoothelin	-4.08	0.30	0.00
A_52_P367760	NM_138304	Calml4	75600	calmodulin-like 4	-3.23	0.30	0.00
A_51_P507129	NM_025411	1110049F1	66193	RIKEN cDNA 1110049F12 gene	-3.87	0.30	0.00
A_52_P157450	NM_021304	Abhd1	57742	abhydrolase domain containing 1	-2.28	0.30	0.01
A_51_P470311	NM_028634	Cby1	73739	chibby homolog 1 (Drosophila)	-3.89	0.30	0.00
A_52_P232935	NM_027251	2010107G2	69894	RIKEN cDNA 2010107G23 gene	-3.70	0.30	0.00
A_52_P197402	BC072607	Tbc1d30	74694	TBC1 domain family, member 30	-2.78	0.30	0.00
A_51_P248328	NM_144558	Bivm	246229	basic, immunoglobulin-like variable motif containing	-2.59	0.30	0.00
A_52_P336629	NA	NA	NA	NA	-3.50	0.30	0.00
A_51_P427926	NM_008542	Smad6	17130	MAD homolog 6 (Drosophila)	-2.37	0.30	0.01
A_51_P452953	NM_007485	Rhod	11854	ras homolog gene family, member D	-3.49	0.30	0.00
A_52_P364279	NM_198026	lqcc	230767	IQ motif containing C	-4.64	0.30	0.00
A_51_P184796	NM_009542	Zfp101	22643	zinc finger protein 101	-2.86	0.30	0.00
A_51_P394833	AK220545	Tshz1	110796	teashirt zinc finger family member 1	-4.03	0.30	0.00
A_51_P372992	NM_028732	4632428N0	74048	RIKEN cDNA 4632428N05 gene	-3.96	0.30	0.00
A_52_P275627	NM_008379	Kpnb1	16211	karyopherin (importin) beta 1	-4.21	0.30	0.00
A_52_P73475	NM_175511	Fam78a	241303	family with sequence similarity 78, member A	-4.22	0.30	0.00
A_51_P417651	NM_027560	Arrdc2	70807	arrestin domain containing 2	-3.15	0.30	0.00
A_51_P410112	NM_139153	Agap3	213990	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	-3.99	0.30	0.00
A_52_P501077	NM_199200	Fam171a2	217219	family with sequence similarity 171, member A2	-2.68	0.30	0.00
A_52_P620399	NM_009697	Nr2f2	11819	nuclear receptor subfamily 2, group F, member 2	-3.62	0.30	0.00
A_52_P182659	NM_026444	Cs	12974	citrate synthase	-3.61	0.30	0.00
A_51_P393998	NM_031375	Ngrn	83485	neugrin, neurite outgrowth associated	-4.11	0.30	0.00
A_51_P190425	AK129051	Dna2	327762	DNA replication helicase 2 homolog (yeast)	-2.93	0.30	0.00
A_51_P496001	NM_030066	Armcx1	78248	armadillo repeat containing, X-linked 1	-3.87	0.30	0.00
A_52_P482124	NM_026455	Fam32a	67922	family with sequence similarity 32, member A	-4.51	0.30	0.00
A_52_P219372	NM_175106	Tmem177	66343	transmembrane protein 177	-3.43	0.30	0.00
A_51_P329711	NM_177960	Idi1	319554	isopentenyl-diphosphate delta isomerase	-2.85	0.30	0.00
A_52_P260994	NM_013710	Fgd2	26382	FYVE, RhoGEF and PH domain containing 2	-3.68	0.30	0.00
A_51_P335849	NM_023465	Ctnnbip1	67087	catenin beta interacting protein 1	-3.39	0.30	0.00
A_51_P143190	NM_008535	Lyl1	17095	lymphoblastomic leukemia 1	-3.96	0.30	0.00
A_51_P280437	NM_133649	Slc12a6	107723	solute carrier family 12, member 6	-3.33	0.29	0.00

A_52_P637338	NM_025538	Alkbh7	66400	alkB, alkylation repair homolog 7 (E. coli)	-3.86	0.29	0.00
A_51_P120027	AK004863	Adh6-ps1	71749	alcohol dehydrogenase 6 (class V), pseudogene 1	-2.10	0.29	0.01
A_51_P321965	NM_023464	Ssna1	68475	Sjogren's syndrome nuclear autoantigen 1	-4.93	0.29	0.00
A_52_P84275	NM_033562	Der12	116891	Der1-like domain family, member 2	-3.49	0.29	0.00
A_51_P430485	NM_025536	Commd5	66398	COMM domain containing 5	-3.31	0.29	0.00
A_52_P516097	NM_175529	Leng9	243813	leukocyte receptor cluster (LRC) member 9	-3.39	0.29	0.00
A_51_P297336	NM_134078	Chmp7	105513	CHMP family, member 7	-3.48	0.29	0.00
				tumor-suppressing subchromosomal transferable			
A_51_P179241	NM_020285	Tssc4	56844	fragment 4	-3.28	0.29	0.00
A_52_P561377	NM_145505	Fam160b1	226252	family with sequence similarity 160, member B1	-2.85	0.29	0.00
				solute carrier family 9 (sodium/hydrogen exchanger),			
A_52_P241676	NM_023449	Slc9a3r2	65962	member 3 regulator 2	-3.38	0.29	0.00
A_51_P451516	NM_028027	D10Ertd61f	52666	DNA segment, Chr 10, ERATO Doi 610, expressed	-3.28	0.29	0.00
A_51_P410918	NM_146115	A830007P12	227612	RIKEN cDNA A830007P12 gene	-4.73	0.29	0.00
A_51_P214269	NM_023580	Epha1	13835	Eph receptor A1	-4.50	0.29	0.00
A_51_P450191	NM_026639	Art4	109978	ADP-ribosyltransferase 4	-4.40	0.29	0.00
A_52_P303650	XM_149712	NA	NA	NA	-4.71	0.29	0.00
A_51_P249268	AK122246	D130043K2	210108	RIKEN cDNA D130043K22 gene	-3.34	0.29	0.00
A_51_P208697	NM_027192	Ttl	69737	tubulin tyrosine ligase	-3.41	0.29	0.00
A_51_P211964	NM_025304	Lcmt1	30949	leucine carboxyl methyltransferase 1	-4.20	0.29	0.00
A_52_P564005	AK018584	Zfp251	71591	zinc finger protein 251	-3.05	0.29	0.00
A_51_P466829	NM_175474	Fam109a	231717	family with sequence similarity 109, member A	-3.68	0.29	0.00
A_51_P256224	NM_146202	Zfp768	233890	zinc finger protein 768	-1.69	0.29	0.09
A_51_P413177	NM_172151	Zdhhc8	27801	zinc finger, DHHC domain containing 8	-4.32	0.29	0.00
A_51_P167971	NM_011792	Bace1	23821	beta-site APP cleaving enzyme 1	-4.00	0.29	0.00
A_51_P492125	NM_134141	Ciapi1	109006	cytokine induced apoptosis inhibitor 1	-3.22	0.29	0.00
A_52_P655206	AK050258	NA	NA	NA	-3.35	0.29	0.00
A_51_P268343	NM_025857	Aagab	66939	alpha- and gamma-adaptin binding protein	-3.71	0.29	0.00
A_51_P341177	NM_016765	Ddah2	51793	dimethylarginine dimethylaminohydrolase 2	-3.47	0.29	0.00
A_52_P521122	AK051786	Lyst	17101	lysosomal trafficking regulator	-2.25	0.29	0.01
A_52_P214956	NM_172414	Fam164c	72350	family with sequence similarity 164, member C	-4.07	0.29	0.00
A_52_P230650	BC025016	NA	NA	NA	-2.64	0.29	0.00
A_51_P480020	AK016444	4931408D1	177059	RIKEN cDNA 4931408D14 gene	-2.84	0.29	0.00
A_52_P84353	NM_183174	Homez	239099	homeodomain leucine zipper-encoding gene	-3.68	0.29	0.00

A_51_P352264	NM_153056	Sirt7	209011	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (<i>S. cerevisiae</i>)	-4.66	0.29	0.00
A_51_P242021	NM_019400	Rabep1	54189	rabaptin, RAB GTPase binding effector protein 1	-3.92	0.29	0.00
A_51_P164539	NM_033474	Arvcf	11877	armadillo repeat gene deleted in velo-cardio-facial syndrome	-3.29	0.29	0.00
A_51_P352005	NM_008294	Hsd3b4	15495	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 4	-2.91	0.29	0.00
A_52_P226489	CJ042244	NA	NA	NA	-3.08	0.29	0.00
A_51_P389265	NM_054088	Pnpla3	116939	patatin-like phospholipase domain containing 3	-1.52	0.29	0.18
A_52_P599388	AK076221	Cpeb2	231207	cytoplasmic polyadenylation element binding protein 2	-1.98	0.29	0.03
A_52_P573970	BC024096	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-3.84	0.29	0.00
A_52_P478550	NM_001005	Zfp69	381549	zinc finger protein 69	-2.68	0.29	0.00
A_51_P472659	NM_026169	Frmd8	67457	FERM domain containing 8	-3.93	0.29	0.00
A_51_P231042	NM_053094	Cd163	93671	CD163 antigen	-3.32	0.29	0.00
A_51_P354077	NM_153153	Svil	225115	supervillin	-3.95	0.29	0.00
A_52_P86534	NM_033134	Inpp5e	64436	inositol polyphosphate-5-phosphatase E	-3.41	0.29	0.00
A_52_P553000	NM_172509	Kctd7	212919	potassium channel tetramerisation domain containing 7	-4.33	0.29	0.00
A_52_P578922	AK159899	Hmgcr	15357	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-2.54	0.29	0.00
A_51_P370341	NM_133879	Zbtb48	100090	zinc finger and BTB domain containing 48	-2.96	0.29	0.00
A_51_P310447	BC079880	Fam65a	75687	family with sequence similarity 65, member A	-4.17	0.29	0.00
A_51_P487308	NM_001039	Pstk	214580	phosphoserine-tRNA kinase	-3.94	0.29	0.00
A_51_P254954	NM_009125	Atxn2	20239	ataxin 2	-2.86	0.29	0.00
A_51_P369381	AK003902	1110021L0	76306	RIKEN cDNA 1110021L09 gene	-3.78	0.28	0.00
A_52_P408530	NM_178048	St3gal2	20444	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	-4.02	0.28	0.00
A_52_P449199	NM_001037	Dyrk1b	13549	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	-3.62	0.28	0.00
A_52_P138727	NM_153056	Sirt7	209011	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (<i>S. cerevisiae</i>)	-4.65	0.28	0.00
A_51_P393999	NM_031375	Ngrn	83485	neugrin, neurite outgrowth associated	-4.08	0.28	0.00
A_51_P169047	NM_019551	Ttrap	56196	TRAF and TNF receptor associated protein	-4.83	0.28	0.00

A_52_P267651	NM_007489	Arntl	11865	aryl hydrocarbon receptor nuclear translocator-like	-1.96	0.28	0.03
A_51_P148783	NA	NA	NA	NA	-3.29	0.28	0.00
A_51_P283766	NM_028199	Plxdc1	72324	plexin domain containing 1	-3.60	0.28	0.00
A_51_P253094	NM_146177	Suv420h2	232811	suppressor of variegation 4-20 homolog 2 (Drosophila)	-4.15	0.28	0.00
A_51_P395856	NM_144856	Slc22a7	108114	solute carrier family 22 (organic anion transporter), member 7	-3.06	0.28	0.00
A_51_P269546	NM_031254	Trem2	83433	triggering receptor expressed on myeloid cells 2	-2.51	0.28	0.00
A_51_P431491	AB093257	Rab11fip3	215445	RAB11 family interacting protein 3 (class II)	-4.50	0.28	0.00
A_51_P162624	NM_133678	Sac3d1	66406	SAC3 domain containing 1	-4.41	0.28	0.00
A_52_P53596	NM_001013	Sesn1	140742	sestrin 1	-2.55	0.28	0.00
A_52_P120022	NM_197945	RP23-100C	241638	ProSAPiP1 protein	-3.53	0.28	0.00
A_52_P255494	BB425408	Sec22c	215474	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)	-3.75	0.28	0.00
A_51_P498631	NM_018769	Dfna5	54722	deafness, autosomal dominant 5 (human)	-3.35	0.28	0.00
A_51_P424739	NM_144533	Nmnat3	74080	nicotinamide nucleotide adenylyltransferase 3	-3.62	0.28	0.00
A_51_P476321	NM_133858	Fam63a	75007	family with sequence similarity 63, member A	-3.63	0.28	0.00
A_51_P501538	NM_009624	Adcy9	11515	adenylate cyclase 9	-3.06	0.28	0.00
A_51_P191087	U33198	Cep250	16328	centrosomal protein 250	-3.91	0.28	0.00
A_52_P463687	AK133434	AI426330	101563	expressed sequence AI426330	-3.83	0.28	0.00
A_51_P333831	AK008102	2010004M	76511	RIKEN cDNA 2010004M13 gene	-3.91	0.28	0.00
A_51_P416660	NM_172587	Cdc14b	218294	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-3.21	0.28	0.00
A_51_P496162	NM_008295	Hsd3b5	15496	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 5	-3.35	0.28	0.00
A_52_P282987	NM_001033	Yeats2	208146	YEATS domain containing 2	-4.01	0.28	0.00
A_52_P796069	NA	NA	NA	NA	-3.66	0.28	0.00
A_51_P140721	NM_028117	Chst14	72136	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 14	-4.99	0.28	0.00
A_51_P373793	NM_172731	Fgd5	232237	FYVE, RhoGEF and PH domain containing 5	-3.68	0.28	0.00
A_52_P434841	NM_183270	Chchd8	68185	coiled-coil-helix-coiled-coil-helix domain containing 8	-4.75	0.28	0.00
A_51_P209183	NM_019568	Cxcl14	57266	chemokine (C-X-C motif) ligand 14	-1.90	0.28	0.04

A_51_P299866	NM_028011	Tom11l	71943	target of myb1-like 1 (chicken)	-4.16	0.28	0.00
A_51_P506015	NM_027230	Zmynd8	228880	zinc finger, MYND-type containing 8	-4.05	0.28	0.00
A_52_P113250	NM_178082	Insig2	72999	insulin induced gene 2	-3.76	0.28	0.00
A_51_P450296	NM_175152	Thap3	69876	THAP domain containing, apoptosis associated protein 3	-4.57	0.28	0.00
A_51_P373082	AF027707	Bok	51800	BCL2-related ovarian killer protein	-3.74	0.28	0.00
A_51_P180091	NM_028775	Cyp2s1	74134	cytochrome P450, family 2, subfamily s, polypeptide 1	-1.34	0.28	0.37
A_51_P179686	NM_026327	1810048J1	67708	RIKEN cDNA 1810048J11 gene avian musculoaponeurotic fibrosarcoma (v-maf) AS42	-3.17	0.28	0.00
A_51_P405167	NM_001025!	Maf	17132	oncogene homolog	-3.71	0.28	0.00
A_51_P184353	NM_010150	Nr2f6	13864	nuclear receptor subfamily 2, group F, member 6	-4.14	0.28	0.00
A_51_P481528	AK034156	Dennd5b	320560	DENN/MADD domain containing 5B	-2.03	0.28	0.02
A_51_P109668	NM_023672	Ssbp3	72475	single-stranded DNA binding protein 3	-3.98	0.28	0.00
A_52_P68477	NM_172763	Zfp809	235047	zinc finger protein 809	-3.63	0.28	0.00
A_51_P469951	NM_153070	NA	NA	NA	-2.62	0.28	0.00
A_52_P338033	AK135612	Rcor3	214742	REST corepressor 3	-4.29	0.28	0.00
A_52_P198435	NM_207246	Rasgrp3	240168	RAS, guanyl releasing protein 3	-3.15	0.28	0.00
A_52_P302012	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-3.38	0.28	0.00
A_52_P479099	NM_009448	Tuba1c	22146	tubulin, alpha 1C	-2.13	0.28	0.01
A_52_P563917	NM_144914	Tmem184a	231832	transmembrane protein 184a	-3.70	0.28	0.00
A_51_P482844	AK004291	Pycrl	66194	pyrroline-5-carboxylate reductase-like	-4.32	0.28	0.00
A_52_P208471	NM_145527	Madd	228355	MAP-kinase activating death domain	-4.96	0.28	0.00
A_52_P263774	NM_144811	Cbx7	52609	chromobox homolog 7	-3.51	0.27	0.00
A_51_P120220	AK087819	Sipa1l3	74206	signal-induced proliferation-associated 1 like 3	-3.10	0.27	0.00
A_52_P92472	NA	NA	NA	NA	-3.64	0.27	0.00
A_52_P98558	NM_173765	Aasdh	231326	aminoadipate-semialdehyde dehydrogenase	-3.83	0.27	0.00
A_52_P247733	AK053118	Prune	229589	prune homolog (Drosophila)	-3.18	0.27	0.00
A_51_P151070	AK046642	Gm9971	1E+08	predicted gene 9971	-3.90	0.27	0.00
A_52_P600087	NA	NA	NA	NA	-3.58	0.27	0.00
A_51_P516133	NM_015786	Hist1h1c	50708	histone cluster 1, H1c	-3.36	0.27	0.00
A_51_P338705	NM_181404	Kank1	107351	KN motif and ankyrin repeat domains 1 ELOVL family member 5, elongation of long chain fatty acids (yeast)	-2.71	0.27	0.00
A_51_P505493	NM_134255	Elovl5	68801		-3.65	0.27	0.00

A_51_P464361	NM_172283	Fuk	234730	fucokinase	-4.23	0.27	0.00
A_51_P169527	NM_023556	Mvk	17855	mevalonate kinase	-3.86	0.27	0.00
A_51_P146701	AK156993	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-3.64	0.27	0.00
A_51_P413122	NM_028126	Strada	72149	STE20-related kinase adaptor alpha	-4.36	0.27	0.00
A_52_P320181	AK083075	Pygl	110095	liver glycogen phosphorylase	-4.22	0.27	0.00
A_51_P509384	NM_178713	Aldh8a1	237320	aldehyde dehydrogenase 8 family, member A1	-3.71	0.27	0.00
A_51_P212993	NM_021499	Wdr8	59002	WD repeat domain 8	-3.12	0.27	0.00
A_51_P417917	NM_001004:	Plekhg5	269608	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	-3.68	0.27	0.00
A_51_P268964	AK013928	3100003M	73082	RIKEN cDNA 3100003M19 gene	-3.99	0.27	0.00
A_51_P321385	AK129277	Amot	27494	angiomin	-4.29	0.27	0.00
A_51_P448995	NM_026494	Ppcs	106564	phosphopantothenoylecysteine synthetase	-4.80	0.27	0.00
A_52_P101982	NM_026698	Tmem129	68366	transmembrane protein 129	-4.00	0.27	0.00
A_52_P387724	NM_001079:	Tcf7l1	21415	transcription factor 7-like 1 (T-cell specific, HMG box)	-4.73	0.27	0.00
A_52_P1139509	AK037434	NA	NA	NA	-3.78	0.27	0.00
A_51_P397537	NM_029660	Rbmxl2	76572	RNA binding motif protein, X-linked-like 2	-3.33	0.27	0.00
A_51_P266211	NM_133741	Snrk	20623	SNF related kinase	-4.97	0.27	0.00
A_51_P336622	NM_021428	Dexi	58239	dexamethasone-induced transcript	-3.90	0.27	0.00
A_52_P503809	NM_009448	Tuba1c	22146	tubulin, alpha 1C	-3.23	0.27	0.00
A_51_P368009	NM_177733	E2f2	242705	E2F transcription factor 2	-2.57	0.27	0.00
A_51_P248580	NM_007953	Esrra	26379	estrogen related receptor, alpha	-3.82	0.27	0.00
A_52_P553316	NM_133741	Snrk	20623	SNF related kinase	-3.94	0.27	0.00
A_51_P414396	NM_153127	Mmrn2	105450	multimerin 2	-3.58	0.27	0.00
A_51_P283649	NM_172724	AA881470	231841	EST AA881470	-4.70	0.27	0.00
A_51_P116609	NM_025687	Tex12	66654	testis expressed gene 12	-3.61	0.27	0.00
A_51_P346634	BC025879	Armcx4	102910	armadillo repeat containing, X-linked 4	-2.17	0.27	0.01
A_51_P501312	NM_025294	Gm16515	24083	predicted gene, Gm16515	-4.02	0.27	0.00
A_52_P1012460	AK145625	NA	NA	NA	-4.46	0.27	0.00
A_52_P577084	AK019597	NA	NA	NA	-3.74	0.27	0.00
A_51_P485946	NM_010191	Fdft1	14137	farnesyl diphosphate farnesyl transferase 1	-3.69	0.27	0.00
A_51_P488063	NM_172122	Crocc	230872	ciliary rootlet coiled-coil, rootletin	-4.72	0.27	0.00
A_51_P469160	NM_021557	Rdh11	17252	retinol dehydrogenase 11	-3.28	0.26	0.00
A_52_P193191	NM_001001:	Slc35d2	70484	solute carrier family 35, member D2	-3.32	0.26	0.00

A_52_P407145	NM_025299	Txn14a	27366	thioredoxin-like 4A	-3.37	0.26	0.00
A_52_P219266	NM_026169	Frmd8	67457	FERM domain containing 8	-4.06	0.26	0.00
A_52_P131548	NM_010590	Jub	16475	ajuba	-4.09	0.26	0.00
A_51_P101075	NM_026977	1810031K1	69171	RIKEN cDNA 1810031K17 gene	-4.48	0.26	0.00
A_51_P120674	NM_013508	Elk3	13713	ELK3, member of ETS oncogene family	-4.27	0.26	0.00
A_51_P331570	NM_175093	Trib3	228775	tribbles homolog 3 (Drosophila)	-3.10	0.26	0.00
A_52_P282500	NM_001039	Kif21b	16565	kinesin family member 21B	-3.47	0.26	0.00
A_51_P223404	NM_025836	Plin3	66905	perilipin 3	-3.70	0.26	0.00
A_51_P410451	NM_028006	Tube1	71924	epsilon-tubulin 1	-5.57	0.26	0.00
A_51_P329928	NM_013750	Phlda3	27280	pleckstrin homology-like domain, family A, member 3	-2.95	0.26	0.00
A_52_P108768	NA	NA	NA	NA	-3.27	0.26	0.00
A_52_P209484	NM_025915	Tmem88	67020	transmembrane protein 88	-3.85	0.26	0.00
A_52_P413947	NM_010840	Mthfr	17769	5,10-methylenetetrahydrofolate reductase	-2.81	0.26	0.00
A_52_P450835	NM_197998	2210021J2	72355	RIKEN cDNA 2210021J22 gene	-2.68	0.26	0.00
A_52_P396974	BC057314	Sfrs8	231769	splicing factor, arginine/serine-rich 8	-3.32	0.26	0.00
A_51_P293938	NM_026878	Rasl11b	68939	RAS-like, family 11, member B	-3.62	0.26	0.00
A_52_P509297	NM_001038	Mapt	17762	microtubule-associated protein tau	-3.01	0.26	0.00
A_51_P215475	NM_029928	Ptprb	19263	protein tyrosine phosphatase, receptor type, B	-3.38	0.26	0.00
A_51_P386503	NM_026185	Abhd15	67477	abhydrolase domain containing 15	-3.50	0.26	0.00
A_51_P305547	NM_011415	Snai2	20583	snail homolog 2 (Drosophila)	-3.23	0.26	0.00
A_52_P407007	BC037267	4632415L0	70808	RRS1 ribosome biogenesis regulator homolog pseudogene	-3.68	0.26	0.00
A_51_P144349	NM_172442	Dtx4	207521	deltex 4 homolog (Drosophila)	-4.29	0.26	0.00
A_51_P115666	NM_134087	Fam83h	105732	family with sequence similarity 83, member H	-4.46	0.26	0.00
A_52_P632691	AK134496	Zfp395	380912	zinc finger protein 395	-1.95	0.26	0.03
A_52_P488919	NM_199025	Zbtb26	320633	zinc finger and BTB domain containing 26	-3.88	0.26	0.00
A_51_P251552	NM_025864	Tmem206	66950	transmembrane protein 206	-4.52	0.26	0.00
A_52_P537545	NM_021491	Smpd3	58994	sphingomyelin phosphodiesterase 3, neutral	-2.54	0.26	0.00
A_51_P439612	NM_020266	Dnajb2	56812	Dnaj (Hsp40) homolog, subfamily B, member 2	-4.06	0.26	0.00
A_52_P663666	AK085506	4933404O1	66752	RIKEN cDNA 4933404O12 gene	-3.64	0.26	0.00
A_51_P423431	NM_027838	Senp8	71599	SUMO/sentrin specific peptidase 8	-4.88	0.26	0.00
A_51_P267080	NM_138302	Tymp	72962	thymidine phosphorylase	-2.94	0.26	0.00
A_51_P505521	BF467941	Hist1h4i	319158	histone cluster 1, H4i	-2.47	0.26	0.00

A_52_P15197	NM_001024	Dcun1d2	102323	DCN1, defective in cullin neddylation 1, domain containing 2 (<i>S. cerevisiae</i>)	-4.91	0.26	0.00
A_51_P221651	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (<i>S. pombe</i>)	-3.63	0.26	0.00
A_52_P204744	NM_019421	Cd320	54219	CD320 antigen	-4.80	0.26	0.00
A_51_P510722	NM_029096	1110008J0	100764	RIKEN cDNA 1110008J03 gene	-5.45	0.26	0.00
A_51_P246690	NM_020329	Dolpp1	57170	dolichyl pyrophosphate phosphatase 1	-4.60	0.26	0.00
A_51_P170207	NM_144888	Mavs	228607	mitochondrial antiviral signaling protein	-4.48	0.26	0.00
A_51_P286327	NM_175646	Txnl4b	234723	thioredoxin-like 4B	-4.42	0.26	0.00
A_52_P244682	NM_145509	5430435G2	226421	RIKEN cDNA 5430435G22 gene	-2.67	0.25	0.00
A_52_P251183	NM_175106	Tmem177	66343	transmembrane protein 177	-4.73	0.25	0.00
A_52_P555537	AK035703	2810008D0	76972	RIKEN cDNA 2810008D09 gene	-3.79	0.25	0.00
A_52_P354509	NM_144810	Klhdc8a	213417	kelch domain containing 8A	-3.99	0.25	0.00
A_51_P150044	NM_009097	Rps6ka1	20111	ribosomal protein S6 kinase polypeptide 1	-4.61	0.25	0.00
A_51_P398887	NM_031251	Ctns	83429	cystinosis, nephropathic	-4.70	0.25	0.00
A_52_P567905	NM_010957	Ogg1	18294	8-oxoguanine DNA-glycosylase 1	-4.00	0.25	0.00
A_52_P77204	NM_153542	Lrrc20	216011	leucine rich repeat containing 20	-4.23	0.25	0.00
A_52_P670812	AK002304	Snord123	66835	small nucleolar RNA, C/D box 123	-3.00	0.25	0.00
A_51_P290207	NM_153526	Insig1	231070	insulin induced gene 1	-4.01	0.25	0.00
A_51_P394471	NM_011548	Tcf3	21423	transcription factor 3	-3.97	0.25	0.00
A_51_P372141	NM_001039	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-3.40	0.25	0.00
A_52_P551603	NM_172681	D930015E0	229473	RIKEN cDNA D930015E06 gene	-4.67	0.25	0.00
A_52_P440599	NM_023622	Rgl3	71746	ral guanine nucleotide dissociation stimulator-like 3	-3.46	0.25	0.00
A_52_P129867	NM_177244	Fastkd1	320720	FAST kinase domains 1	-3.59	0.25	0.00
A_51_P181448	NM_009737	Bcat2	12036	branched chain aminotransferase 2, mitochondrial	-3.89	0.25	0.00
A_52_P367055	NM_021499	Wdr8	59002	WD repeat domain 8	-4.41	0.25	0.00
A_51_P240986	NM_198604	Plekhg6	213522	RhoGef domain) member 6	-3.39	0.25	0.00
A_52_P54569	AK160679	Dcaf17	75763	DDB1 and CUL4 associated factor 17	-3.83	0.25	0.00
A_51_P116906	NM_144850	Rapgef3	223864	Rap guanine nucleotide exchange factor (GEF) 3	-2.99	0.25	0.00
A_52_P450934	NM_198414	Paqr9	75552	progesterin and adipoQ receptor family member IX	-3.48	0.25	0.00
A_51_P314517	NM_030697	Kank3	80880	KN motif and ankyrin repeat domains 3	-4.63	0.25	0.00

A_51_P123795	NM_177684	Zfp637	232337	zinc finger protein 637	-4.56	0.25	0.00
A_51_P279100	NM_008969	Ptgs1	19224	prostaglandin-endoperoxide synthase 1	-3.90	0.25	0.00
A_51_P420806	NM_011675	Uck1	22245	uridine-cytidine kinase 1	-4.24	0.25	0.00
A_51_P511560	NM_001033	Acsl3	74205	acyl-CoA synthetase long-chain family member 3	-4.11	0.25	0.00
A_52_P262275	NM_009125	Atxn2	20239	ataxin 2	-3.15	0.25	0.00
A_52_P253230	NM_175134	Ankrd46	68839	ankyrin repeat domain 46	-4.07	0.25	0.00
A_51_P314045	NM_027171	2310057J1	69697	RIKEN cDNA 2310057J16 gene	-4.67	0.25	0.00
A_51_P502092	BC024137	BC024137	234757	cDNA sequence BC024137	-3.14	0.25	0.00
A_51_P155638	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-5.06	0.25	0.00
A_52_P328304	NM_153804	Plekhg3	263406	pleckstrin homology domain containing, family G (with RhoGef domain) member 3	-3.88	0.25	0.00
A_52_P139740	NM_023397	Mdp1	67881	magnesium-dependent phosphatase 1	-4.09	0.25	0.00
A_51_P317317	NM_172116	Pddc1	213350	Parkinson disease 7 domain containing 1	-3.65	0.25	0.00
A_51_P497768	XM_130488	NA	NA	NA	-3.48	0.25	0.00
A_51_P290981	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-2.88	0.25	0.00
A_51_P156547	NM_001079	Tcf7l1	21415	transcription factor 7-like 1 (T-cell specific, HMG box)	-4.47	0.25	0.00
A_51_P281433	NM_024451	Sun1	77053	Sad1 and UNC84 domain containing 1	-4.26	0.25	0.00
A_51_P360622	NM_144917	Elmod3	232089	ELMO/CED-12 domain containing 3	-3.64	0.25	0.00
A_51_P502993	NM_027480	Ankrd24	70615	ankyrin repeat domain 24	-3.29	0.25	0.00
A_51_P205326	NM_177743	Fam198a	245050	family with sequence similarity 198, member A	-3.26	0.25	0.00
A_52_P621603	NM_009450	Tubb2a	22151	tubulin, beta 2A	-3.80	0.25	0.00
A_51_P489488	NM_001039	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin)	-3.64	0.25	0.00
A_51_P179688	NM_026327	1810048J1	67708	RIKEN cDNA 1810048J11 gene	-4.53	0.25	0.00
A_51_P375227	NM_009954	Bcar1	12927	breast cancer anti-estrogen resistance 1	-3.78	0.25	0.00
A_51_P127279	NM_133858	Fam63a	75007	family with sequence similarity 63, member A	-3.95	0.25	0.00
A_52_P430267	NM_020331	Gtf2ird1	57080	general transcription factor II I repeat domain-containing 1	-4.65	0.25	0.00
A_52_P513123	NM_177372	Dna2	327762	DNA replication helicase 2 homolog (yeast)	-3.07	0.25	0.00
A_51_P475785	NM_207264	BC052040	399568	cDNA sequence BC052040	-4.00	0.25	0.00
A_51_P121325	NM_025578	Mrps25	64658	mitochondrial ribosomal protein S25	-3.87	0.25	0.00
A_52_P204331	NM_178727	D630039A0	242484	RIKEN cDNA D630039A03 gene	-3.76	0.25	0.00

A_51_P516125	BC013561	NA	NA	NA	-3.29	0.25	0.00
A_51_P173961	NM_178939	Pdrg1	68559	p53 and DNA damage regulated 1	-4.15	0.25	0.00
A_51_P314285	NM_026436	Tmem86a	67893	transmembrane protein 86A	-3.59	0.24	0.00
A_51_P145402	NM_009446	Tuba3a	22144	tubulin, alpha 3A	-4.25	0.24	0.00
A_51_P417053	NM_011656	Tuft1	22156	tuftelin 1	-3.98	0.24	0.00
A_51_P335051	NM_016668	Bhmt	12116	betaine-homocysteine methyltransferase	-2.78	0.24	0.00
A_51_P434017	NM_133903	Spon2	100689	spondin 2, extracellular matrix protein	-3.98	0.24	0.00
A_51_P265338	NM_011850	Nr0b2	23957	nuclear receptor subfamily 0, group B, member 2	-2.67	0.24	0.00
A_52_P326657	NM_182783	Fam167b	230766	family with sequence similarity 167, member B	-4.31	0.24	0.00
A_51_P400016	AK088732	Kalrn	545156	kalirin, RhoGEF kinase	-3.46	0.24	0.00
A_51_P346722	NM_013865	Ndr3	29812	N-myc downstream regulated gene 3	-3.95	0.24	0.00
A_51_P244504	NM_028184	Oraov1	72284	oral cancer overexpressed 1	-4.44	0.24	0.00
A_52_P101238	AK083460	B230354K1	320063	RIKEN cDNA B230354K17 gene	-4.33	0.24	0.00
A_51_P256384	NM_009723	Atp2b2	11941	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	-4.14	0.24	0.00
A_52_P50474	NM_198652	Hjurp	381280	Holliday junction recognition protein	-3.51	0.24	0.00
A_52_P112676	NM_025455	Ccdc28b	66264	coiled coil domain containing 28B	-4.78	0.24	0.00
A_51_P299432	NM_026670	Zmym1	68310	zinc finger, MYM domain containing 1	-3.45	0.24	0.00
A_51_P424990	NM_173427	Klhdc7a	242721	kelch domain containing 7A	-2.64	0.24	0.00
A_51_P121275	NM_134046	Cenpo	52504	centromere protein O	-3.70	0.24	0.00
A_52_P569067	NM_023556	Mvk	17855	mevalonate kinase	-4.39	0.24	0.00
A_52_P554703	NM_183183	Gprn3	243385	GPRIN family member 3	-2.79	0.24	0.00
				leucine rich repeat containing G protein coupled			
A_51_P218091	NM_010195	Lgr5	14160	receptor 5	-4.37	0.24	0.00
A_51_P482951	NM_010236	Fpgs	14287	folylpolyglutamyl synthetase	-3.35	0.24	0.00
A_52_P478025	NM_021491	Smpd3	58994	sphingomyelin phosphodiesterase 3, neutral	-2.46	0.24	0.00
A_51_P478952	NM_133898	N4bp2l1	100637	NEDD4 binding protein 2-like 1	-3.52	0.24	0.00
A_51_P178575	AF269193	Brd3	67382	bromodomain containing 3	-4.37	0.24	0.00
				general transcription factor II I repeat domain-			
A_51_P381522	NM_020331	Gtf2ird1	57080	containing 1	-3.45	0.24	0.00
				nudix (nucleoside diphosphate linked moiety X)-type			
A_52_P434570	NM_025839	Nudt16l1	66911	motif 16-like 1	-5.25	0.24	0.00
A_52_P64783	AK032172	Pabpn1	54196	poly(A) binding protein, nuclear 1	-3.85	0.24	0.00
A_51_P430678	AK004405	Xrcc6bp1	68876	XRCC6 binding protein 1	-3.90	0.24	0.00
A_51_P234330	NM_133641	Rtkn	20166	rhotekin	-4.28	0.23	0.00

A_51_P360840	NM_009569	Zfpm1	22761	zinc finger protein, multitype 1	-3.72	0.23	0.00
A_52_P1020025	AK052002	NA	NA	NA	-2.38	0.23	0.01
A_52_P430266	NM_020331	Gtf2ird1	57080	general transcription factor II I repeat domain-containing 1	-5.16	0.23	0.00
A_51_P476851	AK172283	Fance	72775	Fanconi anemia, complementation group E	-4.71	0.23	0.00
A_51_P133870	NM_027248	Zfp219	69890	zinc finger protein 219	-4.10	0.23	0.00
A_51_P150905	NM_145479	Klhl22	224023	kelch-like 22 (Drosophila)	-3.90	0.23	0.00
A_51_P452798	NM_025324	Zfp524	66056	zinc finger protein 524	-4.67	0.23	0.00
A_51_P146432	NM_175392	Fam73b	108958	family with sequence similarity 73, member B	-3.79	0.23	0.00
A_51_P141554	NM_011513	Med22	20933	mediator complex subunit 22	-4.67	0.23	0.00
A_51_P484009	NM_007941	Stx2	13852	syntaxin 2	-4.16	0.23	0.00
A_51_P401193	NM_178389	Gale	74246	galactose-4-epimerase, UDP	-2.96	0.23	0.00
A_51_P200610	NM_198886	Zbtb12	193736	zinc finger and BTB domain containing 12	-3.68	0.23	0.00
A_52_P121502	NM_026385	Pllp	67801	plasma membrane proteolipid	-4.27	0.23	0.00
A_52_P28651	NM_021424	Pvrl1	58235	poliovirus receptor-related 1	-3.32	0.23	0.00
A_52_P418602	NM_207301	Wrb	71446	tryptophan rich basic protein	-4.08	0.23	0.00
A_51_P173459	NM_175538	E130304F0	245269	RIKEN cDNA E130304F04 gene	-4.22	0.23	0.00
A_51_P515018	AK050378	Hsd17b13	243168	hydroxysteroid (17-beta) dehydrogenase 13	-2.68	0.23	0.00
A_52_P572178	AK122246	D130043K2	210108	RIKEN cDNA D130043K22 gene	-3.51	0.23	0.00
A_51_P331207	NM_025464	Tmem218	66279	transmembrane protein 218	-4.03	0.23	0.00
A_51_P327491	NM_007468	Apoa4	11808	apolipoprotein A-IV	-3.06	0.23	0.00
A_51_P392214	AK136802	1810048J1	67708	RIKEN cDNA 1810048J11 gene	-3.83	0.23	0.00
A_51_P445588	NM_175133	1110038D1	68778	RIKEN cDNA 1110038D17 gene	-4.27	0.23	0.00
A_51_P120254	NM_015821	Fbxl8	50788	F-box and leucine-rich repeat protein 8	-4.92	0.23	0.00
A_51_P265824	NM_008245	Hhex	15242	hematopoietically expressed homeobox	-4.17	0.23	0.00
A_52_P422557	XM_131700	NA	NA	NA	-4.35	0.23	0.00
A_51_P111513	NA	NA	NA	NA	-3.13	0.23	0.00
A_52_P337259	NM_013905	Heyl	56198	hairy/enhancer-of-split related with YRPW motif-like	-3.70	0.23	0.00
A_52_P218765	NM_198664	Tbc1d2	381605	TBC1 domain family, member 2	-3.49	0.23	0.00
A_52_P168028	NM_146006	Lss	16987	lanosterol synthase	-3.23	0.23	0.00
A_51_P301891	NM_015801	Pnpla6	50767	patatin-like phospholipase domain containing 6	-4.85	0.23	0.00
A_51_P449624	BC004768	Hjurp	381280	Holliday junction recognition protein	-3.28	0.23	0.00
A_52_P93066	XM_485838	NA	NA	NA	-4.64	0.23	0.00

A_51_P489903	NM_010957	Ogg1	18294	8-oxoguanine DNA-glycosylase 1	-4.03	0.23	0.00
A_51_P420655	NM_180588	Reep4	72549	receptor accessory protein 4	-3.77	0.23	0.00
A_51_P391367	NM_031182	Tcfap4	83383	transcription factor AP4	-5.05	0.23	0.00
A_51_P124285	NM_027280	Nkd1	93960	naked cuticle 1 homolog (Drosophila)	-4.73	0.23	0.00
A_51_P195215	NM_153535	Fam149a	212326	family with sequence similarity 149, member A	-4.58	0.23	0.00
A_51_P300726	NM_011014	Sigmar1	18391	sigma non-opioid intracellular receptor 1	-4.12	0.23	0.00
A_51_P269216	NM_030693	Atf5	107503	activating transcription factor 5	-4.63	0.23	0.00
A_51_P315890	NM_001033	Kcnk6	52150	potassium inwardly-rectifying channel, subfamily K, member 6	-4.24	0.23	0.00
A_52_P354752	NM_146042	Rnf144b	218215	ring finger protein 144B	-3.86	0.23	0.00
A_51_P285271	NM_001033	Ccdc61	232933	coiled-coil domain containing 61	-3.44	0.23	0.00
A_51_P404413	NM_009739	Bckdk	12041	branched chain ketoacid dehydrogenase kinase	-4.71	0.22	0.00
A_51_P494481	NM_172468	Snx30	209131	sorting nexin family member 30	-4.02	0.22	0.00
A_51_P323521	NM_133924	Snx21	101113	sorting nexin family member 21	-4.03	0.22	0.00
A_51_P122290	NM_027230	Zmynd8	228880	zinc finger, MYND-type containing 8	-5.14	0.22	0.00
A_51_P106859	NM_138721	Lsm10	116748	U7 snRNP-specific Sm-like protein LSM10	-5.76	0.22	0.00
A_51_P290399	NM_145489	AI661453	224833	expressed sequence AI661453	-4.04	0.22	0.00
A_52_P163796	NM_011655	Tubb5	22154	tubulin, beta 5	-5.15	0.22	0.00
A_51_P497090	BC021944	Enho	69638	energy homeostasis associated solute carrier family 40 (iron-regulated transporter), member 1	-4.71	0.22	0.00
A_51_P389988	NM_016917	Slc40a1	53945		-4.33	0.22	0.00
A_52_P413492	NM_145554	Ldlrap1	100017	low density lipoprotein receptor adaptor protein 1	-5.09	0.22	0.00
A_52_P65719	BC034637	NA	NA	NA	-3.05	0.22	0.00
A_51_P418725	NM_024413	Plekhf1	72287	pleckstrin homology domain containing, family F (with FYVE domain) member 1	-3.74	0.22	0.00
A_51_P324871	NM_201351	Cybas3	225912	cytochrome b, ascorbate dependent 3	-5.27	0.22	0.00
A_51_P134253	NM_172611	Gramd4	223752	GRAM domain containing 4	-3.82	0.22	0.00
A_52_P566665	NM_025809	Clec14a	66864	C-type lectin domain family 14, member a	-4.81	0.22	0.00
A_51_P439452	NM_133748	Insig2	72999	insulin induced gene 2	-3.91	0.22	0.00
A_51_P501844	NM_175475	Cyp26b1	232174	cytochrome P450, family 26, subfamily b, polypeptide 1	-2.41	0.22	0.00
A_52_P915194	AK030494	NA	NA	NA	-3.22	0.22	0.00
A_51_P306892	NM_145384	Pq1c2	212555	PQ loop repeat containing 2	-5.04	0.22	0.00

A_51_P246471	NM_017463	Pbx2	18515	pre B-cell leukemia transcription factor 2	-5.05	0.22	0.00
A_52_P293222	AK042378	Ppargc1b	170826	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-4.67	0.22	0.00
A_51_P103659	NM_009450	Tubb2a	22151	tubulin, beta 2A	-3.89	0.22	0.00
A_51_P315849	NA	NA	NA	NA	-4.37	0.22	0.00
A_51_P339305	NM_016812	Banp	53325	BTG3 associated nuclear protein	-4.39	0.22	0.00
A_51_P253320	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-3.50	0.22	0.00
A_51_P263419	NM_013705	Zfp30	22693	zinc finger protein 30	-4.31	0.22	0.00
A_51_P328089	NM_177638	Crb3	224912	crumbs homolog 3 (Drosophila)	-5.06	0.22	0.00
A_51_P367125	NM_011131	Pold1	18971	polymerase (DNA directed), delta 1, catalytic subunit	-5.13	0.22	0.00
A_52_P598278	NM_146116	Tubb2c	227613	tubulin, beta 2C	-4.47	0.22	0.00
A_51_P475995	NM_178060	Thra	21833	thyroid hormone receptor alpha	-4.12	0.21	0.00
A_51_P261359	NM_172692	Gba2	230101	glucosidase beta 2	-4.40	0.21	0.00
A_52_P388072	NM_145942	Hmgcs1	208715	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	-2.96	0.21	0.00
A_52_P357402	NM_019988	Mlst8	56716	MTOR associated protein, LST8 homolog (S. cerevisiae)	-5.00	0.21	0.00
A_52_P552879	NM_001025	Efcab4a	213573	EF-hand calcium binding domain 4A	-4.87	0.21	0.00
A_52_P60105	NM_018822	Sgsh	27029	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-4.05	0.21	0.00
A_51_P375987	NM_021716	Fign	60344	fidgetin	-4.62	0.21	0.00
A_52_P1173329	NA	NA	NA	NA	-4.42	0.21	0.00
A_51_P320190	XM_128010	NA	NA	NA	-4.22	0.21	0.00
A_51_P397673	NM_153565	Pcsk9	100102	proprotein convertase subtilisin/kexin type 9	-3.45	0.21	0.00
A_52_P229997	NM_013926	Cbx8	30951	chromobox homolog 8 (Drosophila Pc class)	-4.35	0.21	0.00
A_51_P123066	AK016133	4930555K1620121		RIKEN cDNA 4930555K19 gene	-5.12	0.21	0.00
A_52_P173197	NM_153459	Dusp7	235584	dual specificity phosphatase 7	-3.78	0.21	0.00
A_52_P296864	AK014177	3110045C267303		RIKEN cDNA 3110045C21 gene	-3.00	0.21	0.00
A_51_P251129	NM_199018	Stard8	236920	START domain containing 8	-3.71	0.21	0.00
A_52_P459211	AK044736	A930038B1320323		RIKEN cDNA A930038B10 gene	-4.93	0.21	0.00
A_51_P495379	NM_177699	Fhod1	234686	formin homology 2 domain containing 1	-3.25	0.21	0.00
A_51_P357735	NM_008382	Inhbe	16326	inhibin beta E	-2.77	0.21	0.00

A_51_P294891	NM_133249	Ppargc1b	170826	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-3.92	0.21	0.00
A_52_P550147	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-4.44	0.21	0.00
A_51_P164987	NM_001039	Tmem120k	330189	transmembrane protein 120B	-4.01	0.21	0.00
A_51_P380750	NM_009824	Cbfa2t3	12398	core-binding factor, runt domain, alpha subunit 2, translocated to, 3 (human)	-5.17	0.21	0.00
A_52_P1029978	NM_010688	Lasp1	16796	LIM and SH3 protein 1	-3.12	0.21	0.00
A_52_P251672	AK133157	6430548M08	234797	RIKEN cDNA 6430548M08 gene	-4.98	0.21	0.00
A_51_P280401	NM_133986	Tcta	102791	T-cell leukemia translocation altered gene	-4.90	0.21	0.00
A_51_P453043	NM_030210	Aacs	78894	acetoacetyl-CoA synthetase	-3.02	0.21	0.00
A_52_P118161	AK147680	Lss	16987	lanosterol synthase	-4.31	0.21	0.00
A_51_P430973	NM_027995	Paqr7	71904	progesterin and adipoQ receptor family member VII	-4.64	0.21	0.00
A_51_P327496	NA	NA	NA	NA	-2.94	0.21	0.00
A_51_P289836	NM_022880	Slc29a1	63959	solute carrier family 29 (nucleoside transporters), member 1	-3.87	0.21	0.00
A_52_P495372	NM_153796	Peo1	226153	progressive external ophthalmoplegia 1 (human)	-4.81	0.21	0.00
A_51_P302626	NM_009327	Hnf1a	21405	HNF1 homeobox A	-4.20	0.21	0.00
A_51_P234692	AK028745	Neat1	66961	nuclear paraspeckle assembly transcript 1 (non-protein coding)	-3.82	0.20	0.00
A_51_P225948	NM_175483	Snx33	235406	sorting nexin 33	-3.39	0.20	0.00
A_51_P469098	NM_133215	Mtmt4	170749	myotubularin related protein 4	-4.30	0.20	0.00
A_52_P190506	AK017820	Mrpl15	27395	mitochondrial ribosomal protein L15	-3.95	0.20	0.00
A_51_P456098	NM_028223	Tmem175	72392	transmembrane protein 175	-5.24	0.20	0.00
A_51_P471819	M77003	NA	NA	NA	-4.16	0.20	0.00
A_52_P235347	NM_020013	Fgf21	56636	fibroblast growth factor 21	-1.31	0.20	0.40
A_52_P85403	NM_138753	Hexim1	192231	hexamethylene bis-acetamide inducible 1	-4.62	0.20	0.00
A_51_P480169	NM_053190	S1pr5	94226	sphingosine-1-phosphate receptor 5	-4.70	0.20	0.00
A_51_P222566	NM_025572	2610528J1	66451	RIKEN cDNA 2610528J11 gene	-3.44	0.20	0.00
A_52_P287550	NM_133922	Krba1	77827	KRAB-A domain containing 1	-4.83	0.20	0.00
A_51_P402393	NM_178741	Klhl8	246293	kelch-like 8 (Drosophila)	-5.13	0.20	0.00
A_51_P239750	NM_008380	Inhba	16323	inhibin beta-A	-4.44	0.20	0.00
A_52_P294253	NM_011759	Zfp41	22701	zinc finger protein 41	-5.07	0.20	0.00
A_51_P316935	NM_145980	8430408G2	213393	RIKEN cDNA 8430408G22 gene	-4.64	0.20	0.00

A_51_P484718	AK018051	Dock8	76088	dedicator of cytokinesis 8	-3.81	0.20	0.00
A_51_P175758	NM_026566	9430023L2	68118	RIKEN cDNA 9430023L20 gene	-6.21	0.20	0.00
A_52_P183368	NM_011535	Tbx3	21386	T-box 3	-4.08	0.20	0.00
A_51_P211980	NM_019492	Rgs3	50780	regulator of G-protein signaling 3	-5.29	0.20	0.00
A_51_P233954	NM_001013	Sesn1	140742	sestrin 1	-5.42	0.19	0.00
A_51_P202623	NM_028832	Mterfd3	74238	MTERF domain containing 3	-4.58	0.19	0.00
A_52_P611213	BC005604	Dnajc28	246738	Dnal (Hsp40) homolog, subfamily C, member 28	-4.65	0.19	0.00
A_51_P129464	NM_009128	Scd2	20250	stearoyl-Coenzyme A desaturase 2	-4.79	0.19	0.00
A_51_P321126	NM_007988	Fasn	14104	fatty acid synthase	-3.47	0.19	0.00
A_51_P329332	NM_054087	Slc19a2	116914	solute carrier family 19 (thiamine transporter), member 2	-4.80	0.19	0.00
A_52_P419298	NM_010688	Lasp1	16796	LIM and SH3 protein 1	-4.48	0.19	0.00
A_52_P170985	NM_172718	Sgsm1	52850	small G protein signaling modulator 1	-3.00	0.19	0.00
A_52_P558122	NM_207677	Dedd2	67379	death effector domain-containing DNA binding protein 2	-5.22	0.19	0.00
A_51_P284577	NM_010489	Hyal2	15587	hyaluronoglucosaminidase 2	-3.83	0.19	0.00
A_52_P593965	AK077979	Fdps	110196	farnesyl diphosphate synthetase	-2.68	0.19	0.00
A_52_P427024	NM_010700	Ldlr	16835	low density lipoprotein receptor	-3.70	0.19	0.00
A_51_P446886	AK033039	5730409E0	230757	RIKEN cDNA 5730409E04Rik gene	-4.44	0.19	0.00
A_51_P235816	AF024519	Tsc22d3	14605	TSC22 domain family, member 3	-2.97	0.19	0.00
A_52_P368167	NM_028372	Mblac2	72852	metallo-beta-lactamase domain containing 2	-4.79	0.19	0.00
A_51_P383991	NM_011129	4-Sep	18952	septin 4	-4.21	0.19	0.00
A_51_P258766	NM_176996	Smo	319757	smoothened homolog (Drosophila)	-4.12	0.19	0.00
A_51_P388478	NM_010110	Efnb1	13641	ephrin B1	-5.62	0.19	0.00
A_52_P93284	NM_008506	Mycl1	16918	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	-4.85	0.19	0.00
A_52_P497908	BC065077	Lhx6	16874	LIM homeobox protein 6	-4.18	0.19	0.00
A_52_P17556	NM_134249	Timd2	171284	T-cell immunoglobulin and mucin domain containing 2	-4.30	0.19	0.00
A_51_P275233	AK147212	Zbtb4	75580	zinc finger and BTB domain containing 4	-5.67	0.19	0.00
A_52_P593680	NM_174846	Glyctk	235582	glycerate kinase	-4.64	0.19	0.00
A_51_P282630	NM_030880	Pacsin3	80708	protein kinase C and casein kinase substrate in neurons 3	-5.41	0.19	0.00
A_51_P372550	BC023116	Cgref1	68567	cell growth regulator with EF hand domain 1	-3.10	0.19	0.00

A_52_P381484	NM_133903 Spon2	100689	spondin 2, extracellular matrix protein	-3.87	0.19	0.00
A_52_P382325	NM_001039 Ahnak	66395	AHNAK nucleoprotein (desmoyokin)	-3.44	0.19	0.00
A_51_P117236	NM_009329 Zfp354a	21408	zinc finger protein 354A	-5.28	0.19	0.00
A_52_P350616	NM_145433 Mrm1	217038	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	-4.66	0.19	0.00
A_52_P265578	NM_001013 Vmo1	327956	vitelline membrane outer layer 1 homolog (chicken)	-4.23	0.19	0.00
A_51_P133612	NM_026014 Cdt1	67177	chromatin licensing and DNA replication factor 1	-4.71	0.19	0.00
A_51_P381683	NM_007377 Aatk	11302	apoptosis-associated tyrosine kinase	-4.87	0.19	0.00
A_51_P296487	NM_146006 Lss	16987	lanosterol synthase	-3.53	0.19	0.00
A_52_P226127	NM_011805 Dido1	23856	death inducer-obliterator 1	-4.07	0.19	0.00
A_52_P15122	NM_178444 Egfl7	353156	EGF-like domain 7	-5.72	0.19	0.00
A_51_P438909	NM_023317 Nde1	67203	nuclear distribution gene E homolog 1 (A nidulans)	-4.36	0.18	0.00
A_51_P414243	NM_153540 C85492	215494	expressed sequence C85492	-4.37	0.18	0.00
A_51_P495986	NM_025508 Gmpr	66355	guanosine monophosphate reductase	-5.30	0.18	0.00
A_51_P521176	NM_025886 Rassf7	66985	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7	-5.65	0.18	0.00
A_51_P369516	NM_025839 Nudt16l1	66911	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	-5.39	0.18	0.00
A_51_P377557	NM_029794 Cpsf4l	52670	cleavage and polyadenylation specific factor 4-like	-3.83	0.18	0.00
A_52_P258537	NM_144883 5430407P1	227545	RIKEN cDNA 5430407P10 gene	-5.01	0.18	0.00
A_51_P392223	BC019573 1810048J1	67708	RIKEN cDNA 1810048J11 gene	-4.57	0.18	0.00
A_51_P410703	NM_133351 Prss8	76560	protease, serine, 8 (prostasin)	-3.10	0.18	0.00
A_51_P221263	NM_028710 Arsg	74008	arylsulfatase G	-4.43	0.18	0.00
A_51_P331900	NM_016747 Dlg3	53310	discs, large homolog 3 (Drosophila)	-5.68	0.18	0.00
A_52_P470150	NM_016672 Ddc	13195	dopa decarboxylase	-3.83	0.18	0.00
A_52_P119947	NM_153782 Fam20a	208659	family with sequence similarity 20, member A	-5.32	0.18	0.00
A_52_P307893	NM_054051 Pip4k2b	108083	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	-6.11	0.18	0.00
A_51_P194004	NM_174846 Glyctk	235582	glycerate kinase	-4.78	0.18	0.00
A_52_P516091	NM_133792 Pla2g15	192654	phospholipase A2, group XV	-6.52	0.18	0.00

			endonuclease/exonuclease/phosphatase family domain				
A_51_P317191	NM_026189	Eepd1	67484	containing 1	-4.35	0.18	0.00
A_51_P296517	AK168488	Esrp2	77411	epithelial splicing regulatory protein 2	-4.56	0.18	0.00
A_51_P277536	NM_019444	Ramp2	54409	receptor (calcitonin) activity modifying protein 2	-5.42	0.18	0.00
A_51_P354609	NM_145152	Lrrc3	237387	leucine rich repeat containing 3	-4.67	0.18	0.00
A_51_P436727	NM_177231	Arrb1	109689	arrestin, beta 1	-4.60	0.18	0.00
A_51_P245156	NM_019506	Gdf2	12165	growth differentiation factor 2	-4.35	0.18	0.00
A_52_P274496	NM_183180	Tspan18	241556	tetraspanin 18	-5.61	0.18	0.00
A_52_P448266	NM_009737	Bcat2	12036	branched chain aminotransferase 2, mitochondrial	-5.31	0.18	0.00
A_51_P443569	NM_023431	Mum1	68114	melanoma associated antigen (mutated) 1	-5.38	0.17	0.00
A_52_P663602	NM_015733	Casp9	12371	caspase 9	-5.26	0.17	0.00
A_51_P142450	NM_027865	Tmem25	71687	transmembrane protein 25	-3.48	0.17	0.00
A_51_P235821	NM_001077	Tsc22d3	14605	TSC22 domain family, member 3	-3.00	0.17	0.00
A_52_P175518	NM_001029	Rilp	280408	Rab interacting lysosomal protein	-4.41	0.17	0.00
A_51_P310164	AK013367	2810459M	72792	RIKEN cDNA 2810459M11 gene	-4.27	0.17	0.00
A_52_P583031	NM_033474	Arvcf	11877	armadillo repeat gene deleted in velo-cardio-facial syndrome	-4.87	0.17	0.00
A_51_P430929	NM_153782	Fam20a	208659	family with sequence similarity 20, member A	-6.03	0.17	0.00
A_52_P484838	NM_011266	Rfxank	19727	regulatory factor X-associated ankyrin-containing protein	-5.24	0.17	0.00
A_51_P448563	NM_008663	Myo7a	17921	myosin VIIA	-5.20	0.17	0.00
A_52_P32453	AK011222	1110020A2	68531	RIKEN cDNA 1110020A21 gene	-4.11	0.17	0.00
A_51_P342835	NM_027909	C2cd2l	71764	C2 calcium-dependent domain containing 2-like	-6.02	0.17	0.00
A_51_P108489	NM_008187	Gtl3	14894	gene trap locus 3	-4.91	0.17	0.00
A_52_P654565	NM_199145	3110062M	78412	RIKEN cDNA 3110062M04 gene	-5.74	0.17	0.00
A_51_P338728	NM_001033	Sdhaf1	68332	succinate dehydrogenase complex assembly factor 1	-5.36	0.17	0.00
A_51_P208931	NM_145974	C330016O1	212706	RIKEN cDNA C330016O10 gene	-5.45	0.17	0.00
A_51_P319289	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, member 7	-4.86	0.17	0.00
A_51_P209372	NM_025436	Sc4mol	66234	sterol-C4-methyl oxidase-like	-4.91	0.17	0.00
A_51_P151362	NM_028316	Zfp444	72667	zinc finger protein 444	-6.23	0.17	0.00
A_52_P432949	XM_972868	NA	NA	NA	-3.48	0.16	0.00

A_52_P183138	NM_008668	Nab2	17937	Ngfi-A binding protein 2	-5.30	0.16	0.00
A_52_P627357	NM_205536	Elk3	13713	ELK3, member of ETS oncogene family	-5.38	0.16	0.00
A_51_P314397	NM_024223	Crip2	68337	cysteine rich protein 2	-4.19	0.16	0.00
A_52_P284889	NM_008860	Prkcz	18762	protein kinase C, zeta	-5.04	0.16	0.00
A_52_P305740	NM_001013	Rreb1	68750	ras responsive element binding protein 1	-4.36	0.16	0.00
A_51_P383194	NM_008804	Pde9a	18585	phosphodiesterase 9A	-5.83	0.16	0.00
A_52_P633393	NM_133687	Cxxc5	67393	CXXC finger 5	-5.73	0.16	0.00
A_51_P240693	BC046968	Tecpr1	70381	tectonin beta-propeller repeat containing 1	-5.35	0.16	0.00
A_51_P407690	NM_175195	3110056O	73218	RIKEN cDNA 3110056O03 gene	-5.53	0.16	0.00
A_51_P124784	NM_153420	Acpl2	235534	acid phosphatase-like 2	-5.19	0.16	0.00
A_52_P629333	NM_145608	BC021891	234878	cDNA sequence BC021891	-6.17	0.16	0.00
A_51_P337101	NM_172448	Rnf43	207742	ring finger protein 43	-4.61	0.16	0.00
A_52_P618417	NA	NA	NA	NA	-5.37	0.16	0.00
A_51_P204730	NM_025892	1500031L0	66994	RIKEN cDNA 1500031L02 gene	-5.00	0.16	0.00
A_51_P391764	NM_028763	Cbx6	494448	chromobox homolog 6	-6.26	0.16	0.00
A_51_P384230	NM_013731	Sgk2	27219	serum/glucocorticoid regulated kinase 2	-3.70	0.16	0.00
A_52_P211063	NM_025415	Cks2	66197	CDC28 protein kinase regulatory subunit 2	-4.91	0.16	0.00
A_51_P202801	NM_019875	Abcb9	56325	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-6.92	0.16	0.00
A_51_P108131	AK147212	Zbtb4	75580	zinc finger and BTB domain containing 4	-5.49	0.16	0.00
A_51_P316553	NM_010612	Kdr	16542	kinase insert domain protein receptor	-5.53	0.16	0.00
A_52_P518997	NM_010139	Epha2	13836	Eph receptor A2	-4.21	0.15	0.00
A_52_P670188	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, member 7	-3.90	0.15	0.00
A_51_P474169	NM_144883	5430407P1	227545	RIKEN cDNA 5430407P10 gene	-4.09	0.15	0.00
A_51_P167551	NM_153584	BC031353	235493	cDNA sequence BC031353	-3.70	0.15	0.00
A_52_P247462	NM_177351	Agphd1	235386	aminoglycoside phosphotransferase domain containing 1	-5.86	0.15	0.00
A_51_P208511	NM_009924	Cnr2	12802	cannabinoid receptor 2 (macrophage)	-4.91	0.15	0.00
A_51_P151862	NM_144862	Lims2	225341	LIM and senescent cell antigen like domains 2	-5.43	0.15	0.00
A_51_P393469	XM_001002	Wdr81	192652	WD repeat domain 81	-6.39	0.15	0.00
A_51_P406557	XM_283952	AI464131	329828	expressed sequence AI464131	-5.15	0.15	0.00
A_51_P486150	NM_008756	Ocln	18260	occludin	-3.45	0.15	0.00

A_51_P266618	NM_010012	Cyp8b1	13124	cytochrome P450, family 8, subfamily b, polypeptide 1	-3.74	0.15	0.00
A_51_P370315	NM_011937	Gnpda1	26384	glucosamine-6-phosphate deaminase 1	-4.55	0.15	0.00
A_51_P456208	NM_011575	Tff3	21786	trefoil factor 3, intestinal	-1.64	0.15	0.11
A_52_P259537	NM_010292	Gck	103988	glucokinase	-3.36	0.15	0.00
A_51_P202950	AK010701	Dedd2	67379	death effector domain-containing DNA binding protein 2	-6.06	0.15	0.00
A_52_P221887	NM_175099	Repin1	58887	replication initiator 1	-6.65	0.15	0.00
A_51_P103237	NM_015755	Hunk	26559	hormonally upregulated Neu-associated kinase	-5.18	0.15	0.00
A_51_P372186	NM_020589	Zfp467	68910	zinc finger protein 467	-7.04	0.15	0.00
A_51_P315925	NM_020013	Fgf21	56636	fibroblast growth factor 21	-3.14	0.14	0.00
A_52_P622471	NM_001001	Dab2ip	69601	disabled homolog 2 (Drosophila) interacting protein acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	-5.66	0.14	0.00
A_51_P399071	NM_009672	Anp32a	11737	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-5.15	0.14	0.00
A_52_P526724	NM_133249	Ppargc1b	170826	splA/ryanodine receptor domain and SOCS box containing 2	-3.91	0.14	0.00
A_51_P410101	NM_013539	Spsb2	14794	containing 2	-5.86	0.14	0.00
A_51_P420726	NM_028372	Mblac2	72852	metallo-beta-lactamase domain containing 2	-6.03	0.14	0.00
A_52_P424826	NM_175646	Txnl4b	234723	thioredoxin-like 4B	-6.55	0.14	0.00
A_51_P202954	NM_207677	Dedd2	67379	death effector domain-containing DNA binding protein 2	-5.38	0.14	0.00
A_51_P146941	NM_145942	Hmgcs1	208715	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	-4.37	0.14	0.00
A_52_P100252	NM_007988	Fasn	14104	fatty acid synthase	-3.46	0.14	0.00
A_52_P740427	XM_890672	NA	NA	NA	-3.26	0.14	0.00
A_52_P175242	AK141842	Irs1	16367	insulin receptor substrate 1	-3.05	0.14	0.00
A_51_P157902	NM_009902	Cldn3	12739	claudin 3	-4.87	0.14	0.00
A_51_P166155	NM_020567	Gmnn	57441	geminin	-6.08	0.14	0.00
A_51_P355753	NM_010430	Hic1	15248	hypermethylated in cancer 1	-6.82	0.14	0.00
A_51_P349727	NM_134154	Slc25a45	107375	solute carrier family 25, member 45	-6.82	0.14	0.00
A_52_P401614	NM_175289	NA	NA	NA	-4.92	0.14	0.00
A_51_P341369	NM_025861	Pq1c1	66943	PQ loop repeat containing 1	-6.52	0.14	0.00

			haloacid dehalogenase-like hydrolase domain				
A_51_P465582	NM_024257	Hdhd3	72748	containing 3	-5.58	0.14	0.00
A_51_P516085	NM_009345	Dntt	21673	deoxynucleotidyltransferase, terminal	-3.66	0.14	0.00
A_51_P230439	NM_008905	Ppfibp2	19024	PTPRF interacting protein, binding protein 2 (liprin beta	-4.56	0.13	0.00
A_52_P384394	NM_138313	Bmf	171543	2)	-4.38	0.13	0.00
A_51_P234788	NM_133687	Cxxc5	67393	BCL2 modifying factor	-5.96	0.13	0.00
A_52_P659312	NM_145134	Spsb4	211949	CXXC finger 5	-6.37	0.13	0.00
A_51_P520936	NM_013867	Bcar3	29815	spla/ryanodine receptor domain and SOCS box	-6.14	0.13	0.00
A_52_P193236	NM_028056	1600002HC	72016	containing 4	-5.29	0.13	0.00
A_52_P61864	NM_023653	Wnt2	22413	breast cancer anti-estrogen resistance 3	-6.10	0.13	0.00
A_51_P308029	NM_027251	2010107G2	69894	RIKEN cDNA 1600002H07 gene	-5.27	0.13	0.00
A_51_P432420	NM_009734	Azi1	12009	wingless-related MMTV integration site 2	-5.55	0.12	0.00
A_51_P490023	NM_009450	Tubb2a	22151	RIKEN cDNA 2010107G23 gene	-4.67	0.12	0.00
A_52_P514352	NM_021542	Kcnk5	16529	5-azacytidine induced gene 1	-5.10	0.12	0.00
A_52_P668514	AK031324	Kank2	235041	tubulin, beta 2A	-5.55	0.12	0.00
A_51_P324633	NM_007703	Elov13	12686	potassium channel, subfamily K, member 5	-4.23	0.12	0.00
A_52_P596115	NA	NA	NA	KN motif and ankyrin repeat domains 2	-7.05	0.12	0.00
A_51_P157083	NM_008086	Gas1	14451	elongation of very long chain fatty acids (FEN1/Elo2,	-3.83	0.12	0.00
A_51_P396917	NM_026752	Zfyve21	68520	SUR4/Elo3, yeast)-like 3	-6.71	0.12	0.00
A_51_P183205	NM_172615	1700021K1	224118	growth arrest specific 1	-7.75	0.12	0.00
A_51_P404193	NM_022435	Sp5	64406	zinc finger, FYVE domain containing 21	-5.96	0.12	0.00
A_52_P622641	NM_008905	Ppfibp2	19024	RIKEN cDNA 1700021K19 gene	-6.44	0.12	0.00
A_51_P328333	NM_007634	Ccnf	12449	trans-acting transcription factor 5	-3.78	0.12	0.00
A_52_P288251	NM_001001	Tmem204	407831	PTPRF interacting protein, binding protein 2 (liprin beta	-6.03	0.12	0.00
A_51_P491916	NM_028478	Rassf6	73246	2)	-7.58	0.12	0.00
A_51_P488554	NM_026543	3010026O0	68067	cyclin F	-6.91	0.12	0.00
A_51_P363749	NM_016851	Irf6	54139	transmembrane protein 204	-7.73	0.12	0.00
A_52_P676271	NM_009447	Tuba4a	22145	Ras association (RalGDS/AF-6) domain family member 6	-7.42	0.12	0.00
A_51_P488991	NM_178644	Oaf	102644	RIKEN cDNA 3010026O09 gene	-4.45	0.12	0.00
				interferon regulatory factor 6			
				tubulin, alpha 4A			
				OAF homolog (Drosophila)			

A_51_P183261	NM_007474	Aqp8	11833	aquaporin 8	-5.24	0.12	0.00
A_52_P94401	NM_177708	Rtn4rl1	237847	reticulon 4 receptor-like 1	-4.95	0.12	0.00
A_51_P211786	XM_978459	Chst13	71797	carbohydrate (chondroitin 4) sulfotransferase 13	-6.25	0.12	0.00
A_52_P629748	NM_175263	Notum	77583	notum pectinacylesterase homolog (Drosophila)	-7.81	0.11	0.00
A_51_P234407	NM_013769	Tjp3	27375	tight junction protein 3	-5.79	0.11	0.00
A_52_P804224	AK141415	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-5.23	0.11	0.00
A_52_P20727	NM_175340	Nhlrc1	105193	NHL repeat containing 1	-6.66	0.11	0.00
A_51_P286131	NM_030021	D730039F177996		RIKEN cDNA D730039F16 gene	-5.95	0.11	0.00
A_51_P442759	NM_172520	Arhgef19	213649	Rho guanine nucleotide exchange factor (GEF) 19	-6.20	0.11	0.00
A_51_P293339	NM_009427	Tob1	22057	transducer of ErbB-2.1	-5.56	0.11	0.00
A_51_P193490	NM_145564	Fbxo21	231670	F-box protein 21	-5.45	0.11	0.00
A_51_P223776	NM_145434	Nr1d1	217166	nuclear receptor subfamily 1, group D, member 1	-4.85	0.11	0.00
A_51_P462249	NM_025415	Cks2	66197	CDC28 protein kinase regulatory subunit 2	-6.69	0.11	0.00
A_52_P531610	AK030395	Agxt2l1	71760	alanine-glyoxylate aminotransferase 2-like 1	-4.22	0.11	0.00
A_51_P346893	NM_019578	Extl1	56219	exostoses (multiple)-like 1	-6.21	0.11	0.00
A_52_P465828	NM_028833	lqce	74239	IQ motif containing E	-6.74	0.10	0.00
A_51_P472274	NM_009236	Sox18	20672	SRY-box containing gene 18	-4.60	0.10	0.00
A_51_P248122	NM_133234	Bbc3	170770	BCL2 binding component 3	-6.60	0.10	0.00
A_52_P614777	NM_032400	Sucnr1	84112	succinate receptor 1	-4.49	0.10	0.00
A_52_P356343	NM_153574	Fam13a	58909	family with sequence similarity 13, member A	-5.52	0.10	0.00
A_52_P645855	NM_175096	Stbd1	52331	starch binding domain 1	-6.15	0.10	0.00
A_52_P89335	NM_146260	Tmie	20776	transmembrane inner ear	-4.23	0.10	0.00
A_52_P322421	NM_007962	Mpzl2	14012	myelin protein zero-like 2	-6.79	0.10	0.00
A_52_P151320	NM_025566	Tnfaip8l1	66443	tumor necrosis factor, alpha-induced protein 8-like 1	-7.44	0.09	0.00
A_52_P13730	NM_007623	Cbx2	12416	chromobox homolog 2 (Drosophila Pc class)	-6.89	0.09	0.00
A_51_P368823	NM_010346	Grb7	14786	growth factor receptor bound protein 7	-2.93	0.09	0.00
A_51_P449824	NM_028954	NA	NA	NA	-3.61	0.09	0.00
A_52_P409498	NM_009447	Tuba4a	22145	tubulin, alpha 4A	-7.34	0.09	0.00
A_51_P494655	XM_890672	NA	NA	NA	-4.28	0.09	0.00
A_52_P276397	NM_009001	Rab3a	19339	RAB3A, member RAS oncogene family	-6.67	0.09	0.00
A_52_P528600	NM_008245	Hhex	15242	hematopoietically expressed homeobox	-5.54	0.09	0.00
A_52_P48681	NM_016674	Cldn1	12737	claudin 1	-4.66	0.09	0.00

A_51_P327869	NM_011199	Pth1r	19228	parathyroid hormone 1 receptor	-6.91	0.09	0.00
A_51_P436068	NM_007412	Gpr182	11536	G protein-coupled receptor 182	-6.51	0.08	0.00
A_52_P478420	AK086555	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-7.60	0.08	0.00
A_51_P424868	NM_026524	Mid1ip1	68041	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))	-6.56	0.08	0.00
A_51_P496074	NM_178162	Agfg2	231801	ArfGAP with FG repeats 2	-7.78	0.08	0.00
A_51_P126198	NM_010019	Dapk2	13143	death-associated protein kinase 2	-6.37	0.08	0.00
A_51_P175699	NM_026443	1700020C1	67900	RIKEN cDNA 1700020C11 gene	-7.24	0.08	0.00
A_51_P123745	BC025823	Spns2	216892	spinster homolog 2 (Drosophila)	-6.55	0.08	0.00
A_51_P228792	NM_146030	Plekhh3	217198	pleckstrin homology domain containing, family H (with MyTH4 domain) member 3	-7.70	0.08	0.00
A_51_P318618	NM_028085	Anks4b	72074	ankyrin repeat and sterile alpha motif domain containing 4B	-6.60	0.08	0.00
A_51_P329949	NM_153574	Fam13a	58909	family with sequence similarity 13, member A	-5.35	0.08	0.00
A_51_P481958	NM_016674	Cldn1	12737	claudin 1	-7.44	0.08	0.00
A_51_P267354	NM_175478	Lfn3	233067	leucine rich repeat and fibronectin type III domain containing 3	-7.59	0.08	0.00
A_52_P297765	XM_134539	NA	NA	NA	-6.88	0.08	0.00
A_51_P514300	NM_009447	Tuba4a	22145	tubulin, alpha 4A	-7.83	0.07	0.00
A_52_P515769	NM_017378	Pcdh12	53601	protocadherin 12	-8.64	0.07	0.00
A_51_P206824	NM_027126	Hfe2	69585	hemochromatosis type 2 (juvenile) (human homolog)	-9.32	0.07	0.00
A_51_P355943	NM_138656	Mvd	192156	mevalonate (diphospho) decarboxylase	-5.67	0.06	0.00
A_52_P631591	BC024265	Mast3	546071	microtubule associated serine/threonine kinase 3	-6.85	0.06	0.00
A_51_P256066	NM_011878	Tiam2	24001	T-cell lymphoma invasion and metastasis 2	-2.27	0.06	0.01
A_51_P117865	NM_030565	Fam20c	80752	family with sequence similarity 20, member C	-8.91	0.06	0.00
A_52_P619911	AK041604	Dact2	240025	dapper homolog 2, antagonist of beta-catenin (xenopus)	-6.85	0.06	0.00
A_52_P67637	AK080673	Sc5d	235293	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae)	-8.55	0.05	0.00
A_51_P327874	NM_011199	Pth1r	19228	parathyroid hormone 1 receptor	-9.30	0.05	0.00
A_51_P277336	NM_138741	Sdpr	20324	serum deprivation response	-6.17	0.05	0.00

A_51_P250807	NM_030176	Spata2L	78779	spermatogenesis associated 2-like	-7.30	0.05	0.00
A_52_P164136	NM_001042	Arrdc3	105171	arrestin domain containing 3	-8.00	0.04	0.00
A_51_P440743	NM_009886	Celsr1	12614	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	-9.19	0.04	0.00
A_52_P639461	AK075630	Car3	12350	carbonic anhydrase 3	-7.08	0.04	0.00
A_52_P681391	NM_008059	G0s2	14373	G0/G1 switch gene 2	-7.31	0.03	0.00
A_51_P462385	NM_008061	G6pc	14377	glucose-6-phosphatase, catalytic	-6.74	0.03	0.00
A_52_P84027	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-7.52	0.01	0.00

(b) B6;129(E2F1-/-) mice 6 hours post-LPS

PROBE	ACCESSION	SYMBOL	ENTREZID	DESCRIPTION	Score (d)	LPS/saline	
						fold	q-value (%)
A_52_P630493	NM_001037	Dnajb6	23950	Dnaj (Hsp40) homolog, subfamily B, member 6	7.39	1.60	0.00
A_51_P296158	NM_001002	AI413582	106672	expressed sequence AI413582	-5.28	0.81	0.00
A_51_P508775	NM_011846	Mmp17	23948	matrix metalloproteinase 17	-4.84	0.77	0.00
A_52_P619262	AK122497	Mical3	194401	microtubule associated monooxygenase, calponin and LIM domain containing 3	-4.62	0.76	0.00
A_52_P49712	NM_010435	Hira	15260	histone cell cycle regulation defective homolog A (S. cerevisiae)	-5.46	0.76	0.00
A_52_P519689	NM_011306	Rxrb	20182	retinoid X receptor beta	-5.12	0.73	0.00
A_52_P362670	NM_009614	Adam15	11490	a disintegrin and metalloproteinase domain 15 (metargidin)	-4.66	0.72	0.00
A_52_P756306	NA	NA	NA	NA	-4.98	0.71	0.00
A_52_P146918	NM_011814	Fxr2	23879	fragile X mental retardation, autosomal homolog 2	-4.90	0.69	0.00
A_52_P851407	AK033152	NA	NA	NA	-4.79	0.69	0.00
A_51_P478326	NM_026270	Akt1s1	67605	AKT1 substrate 1 (proline-rich)	-4.75	0.67	0.00
A_51_P468464	NM_201352	Gdpd5	233552	glycerophosphodiester phosphodiesterase domain containing 5	-4.69	0.67	0.00
A_51_P265151	NM_172751	Arhgef10	234094	Rho guanine nucleotide exchange factor (GEF) 10	-4.94	0.62	0.00
A_51_P293059	NM_133722	Fam108c	70178	family with sequence similarity 108, member C	-5.63	0.61	0.00
A_51_P364432	NM_024256	B3gat3	72727	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-4.64	0.57	0.00

A_52_P392121	NM_028763	Cbx6	494448	chromobox homolog 6	-4.73	0.48	0.00
A_51_P393226	X52641	H2-Eb1	14969	histocompatibility 2, class II antigen E beta	-5.60	0.36	0.00
A_52_P362106	AK005018	NA	NA	NA	-4.75	0.33	0.00

(C) B6129 F2 mice 20 hours post-LPS

PROBE	ACCESSION	SYMBOL	ENTREZID	DESCRIPTION	LPS/saline		
					Score (d)	Fold	q-value (%)
A_51_P169671	NM_011036	Reg3b	18489	regenerating islet-derived 3 beta	10.82	235.54	0.00
A_51_P354126	NM_011260	Reg3g	19695	regenerating islet-derived 3 gamma	11.87	189.82	0.00
A_52_P525348	NA	NA	NA	NA	10.72	112.32	0.00
A_51_P510156	NM_008491	Lcn2	16819	lipocalin 2	8.45	90.72	0.00
A_51_P490456	NM_178373	Cidec	14311	cell death-inducing DFFA-like effector c	11.19	85.88	0.00
A_51_P493649	NM_023135	Sult1e1	20860	sulfotransferase family 1E, member 1	11.89	82.45	0.00
A_51_P172853	NM_009841	Cd14	12475	CD14 antigen	8.62	69.42	0.00
A_51_P183571	NM_008871	Serpine1	18787	serine (or cysteine) peptidase inhibitor, clade E, member 1	8.61	67.09	0.00
A_52_P455370	NM_175628	A2m	232345	alpha-2-macroglobulin	4.54	66.11	0.00
A_51_P461665	NM_008599	Cxcl9	17329	chemokine (C-X-C motif) ligand 9	9.38	56.73	0.00
A_52_P188042	NM_198297	Trat1	77647	T cell receptor associated transmembrane adaptor 1	12.83	53.07	0.00
A_52_P286511	NM_021352	Crybb3	12962	crystallin, beta B3	11.22	51.13	0.00
A_51_P434737	NM_001040	NA	NA	NA	3.27	49.78	0.01
A_52_P472324	NM_011414	Slpi	20568	secretory leukocyte peptidase inhibitor	9.21	49.04	0.00
A_52_P338066	NM_023137	Ubd	24108	ubiquitin D	7.78	48.60	0.00
A_51_P203955	NM_010260	Gbp2	14469	guanylate binding protein 2	6.52	45.90	0.00
A_52_P419678	NM_001033	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member 3F	5.59	45.66	0.00
A_51_P112966	NM_009890	Ch25h	12642	cholesterol 25-hydroxylase	8.76	44.68	0.00
A_51_P279606	NM_009896	Socs1	12703	suppressor of cytokine signaling 1	5.25	39.98	0.00
A_52_P419679	NM_001033	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member 3F	5.39	39.34	0.00
A_51_P173678	NM_029415	Slc10a6	75750	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	7.30	38.88	0.00
A_51_P408703	NM_028842	NA	NA	NA	8.46	38.31	0.00

A_52_P431159	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	6.65	37.33	0.00
A_52_P638459	BC033508	Ccl5	20304	chemokine (C-C motif) ligand 5	11.04	36.04	0.00
A_51_P286488	NM_133662	ler3	15937	immediate early response 3	8.34	35.89	0.00
A_51_P286737	NM_011333	Ccl2	20296	chemokine (C-C motif) ligand 2	5.96	33.94	0.00
A_52_P675857	NA	NA	NA	NA	8.83	33.68	0.00
A_51_P249989	NM_145133	Tifa	211550	TRAF-interacting protein with forkhead-associated domain	7.01	33.33	0.00
A_51_P350453	NM_013743	Pdk4	27273	pyruvate dehydrogenase kinase, isoenzyme 4	10.25	31.82	0.00
A_51_P482908	NM_025549	Arrdc4	66412	arrestin domain containing 4	7.64	31.79	0.00
A_51_P485312	NM_013653	Ccl5	20304	chemokine (C-C motif) ligand 5	11.00	31.27	0.00
A_51_P398766	NM_010259	Gbp1	14468	guanylate binding protein 1	2.97	29.97	0.03
A_51_P488196	NM_028472	Bmper	73230	BMP-binding endothelial regulator	13.17	28.13	0.00
A_51_P402943	NM_009114	S100a9	20202	S100 calcium binding protein A9 (calgranulin B)	9.29	27.81	0.00
A_51_P123625	AK152177	Irg1	16365	immunoresponsive gene 1	8.80	27.77	0.00
A_51_P167292	NM_009892	Chi3l3	12655	chitinase 3-like 3	9.41	27.07	0.00
A_51_P367263	NM_199222	Lman1l	235416	lectin, mannose-binding 1 like	11.66	24.43	0.00
A_51_P228753	XM_897631	NA	NA	NA	7.89	23.75	0.00
A_51_P363947	NM_007669	Cdkn1a	12575	cyclin-dependent kinase inhibitor 1A (P21)	9.77	23.73	0.00
A_51_P123630	L38281	Irg1	16365	immunoresponsive gene 1	7.89	23.16	0.00
A_51_P165244	NM_018734	Gbp3	55932	guanylate binding protein 3	6.11	23.14	0.00
A_51_P384831	NM_134164	Syt12	171180	synaptotagmin XII	10.10	22.63	0.00
A_51_P131408	NM_013749	Tnfrsf12a	27279	tumor necrosis factor receptor superfamily, member 12a	11.35	22.31	0.00
A_51_P294979	NM_013602	Mt1	17748	metallothionein 1	6.28	21.70	0.00
A_51_P271503	NM_008362	Il1r1	16177	interleukin 1 receptor, type I	10.18	21.37	0.00
A_51_P340601	NM_009770	Btg3	12228	B-cell translocation gene 3	7.79	21.22	0.00
A_51_P495780	NM_020568	Plin4	57435	perilipin 4	11.90	21.07	0.00
A_52_P474528	NA	NA	NA	NA	8.41	21.02	0.00
A_52_P49797	NA	NA	NA	NA	8.44	20.95	0.00
A_52_P480044	NA	NA	NA	NA	3.81	20.83	0.00
A_52_P615051	AK035396	1200016E2	319202	RIKEN cDNA 1200016E24 gene	8.30	20.81	0.00
A_52_P681310	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor	7.70	19.75	0.00
A_51_P422257	NM_010131	Emx1	13796	empty spiracles homolog 1 (Drosophila)	7.36	19.47	0.00
A_51_P432641	NM_021274	Cxcl10	15945	chemokine (C-X-C motif) ligand 10	3.71	19.29	0.01

A_51_P216550	NM_011641	Trp63	22061	transformation related protein 63	5.10	19.21	0.00
A_51_P378789	NM_018866	Cxcl13	55985	chemokine (C-X-C motif) ligand 13	4.95	18.85	0.00
A_51_P159803	NM_032002	Nrg4	83961	neuregulin 4	12.63	18.42	0.00
A_51_P501248	NM_025367	Sphk1	20698	sphingosine kinase 1	6.63	18.40	0.00
A_52_P427640	XR_002113	EG667984	667984	predicted gene, EG667984	8.31	18.38	0.00
A_51_P463562	NM_008620	Gbp4	17472	guanylate binding protein 4	7.71	18.37	0.00
A_52_P676510	NM_011579	Tgtp	21822	T-cell specific GTPase	4.36	18.27	0.00
A_52_P103628	NA	NA	NA	NA	11.32	17.95	0.00
A_51_P122321	NM_133775	Il33	77125	interleukin 33	4.60	17.94	0.00
A_51_P256827	NM_013650	S100a8	20201	S100 calcium binding protein A8 (calgranulin A)	9.58	17.79	0.00
A_52_P429450	NM_008694	Ngp	18054	neutrophilic granule protein	12.78	17.78	0.00
A_52_P423810	AK154954	Mt1	17748	metallothionein 1	6.31	17.76	0.00
A_51_P155643	NM_016740	S100a11	20195	S100 calcium binding protein A11 (calgizzarin)	14.39	17.59	0.00
A_51_P362066	NM_007695	Chi3l1	12654	chitinase 3-like 1	7.66	17.54	0.00
A_52_P319361	NM_029494	Rab30	75985	RAB30, member RAS oncogene family	7.93	17.41	0.00
A_52_P412417	NM_009397	Tnfaip3	21929	tumor necrosis factor, alpha-induced protein 3	6.74	17.31	0.00
A_51_P317176	NM_009971	Csf3	12985	colony stimulating factor 3 (granulocyte)	3.63	17.19	0.01
A_51_P342567	NM_031185	Akap12	83397	A kinase (PRKA) anchor protein (gravin) 12	7.54	17.18	0.00
A_51_P126437	NM_007930	Enc1	13803	ectodermal-neural cortex 1	9.59	17.06	0.00
A_52_P260145	XM_978721	NA	NA	NA	14.38	16.90	0.00
A_52_P386627	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	8.51	16.47	0.00
A_52_P201245	NM_133902	Sdsl	257635	serine dehydratase-like	13.37	16.32	0.00
A_52_P6328	NM_021524	Nampt	59027	nicotinamide phosphoribosyltransferase	7.30	16.09	0.00
A_51_P336833	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	9.51	15.77	0.00
A_51_P248666	NM_021893	Cd274	60533	CD274 antigen	5.12	15.61	0.00
A_51_P421876	NM_016850	Irf7	54123	interferon regulatory factor 7	12.22	15.54	0.00
A_52_P344949	NM_172777	Gbp9	236573	guanylate-binding protein 9	5.53	15.46	0.00
A_51_P352594	NM_001001	St5	76954	suppression of tumorigenicity 5	5.87	15.40	0.00
A_52_P572808	NM_172715	Agpat9	231510	1-acylglycerol-3-phosphate O-acyltransferase 9	3.57	15.39	0.01
A_52_P182919	NM_054098	Steap4	117167	STEAP family member 4	5.24	15.15	0.00
A_52_P399934	NM_010090	Dusp2	13537	dual specificity phosphatase 2	9.45	15.00	0.00
A_51_P325904	NM_008381	Inhbb	16324	inhibin beta-B	8.58	14.92	0.00
A_52_P416756	NM_033075	D17H6S56E	110956	DNA segment, Chr 17, human D6S56E 5	7.07	14.91	0.00
A_51_P184936	NM_021394	Zbp1	58203	Z-DNA binding protein 1	7.26	14.90	0.00

A_52_P247900	U42467	Lepr	16847	leptin receptor	12.58	14.89	0.00
A_52_P2710	NM_023493	Cml5	69049	camello-like 5	6.97	14.88	0.00
A_51_P143893	NM_054098	Steap4	117167	STEAP family member 4	5.94	14.82	0.00
A_51_P212491	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	5.94	14.73	0.00
A_51_P337308	NM_011315	Saa3	20210	serum amyloid A 3	6.00	14.67	0.00
A_51_P470079	NM_010555	Il1r2	16178	interleukin 1 receptor, type II	12.47	14.62	0.00
A_52_P437421	NM_028472	Bmper	73230	BMP-binding endothelial regulator	10.47	14.34	0.00
A_51_P180747	NM_007796	Ctla2a	13024	cytotoxic T lymphocyte-associated protein 2 alpha	11.64	14.32	0.00
A_51_P134468	NM_033075	D17H6S56E1	110956	DNA segment, Chr 17, human D6S56E 5	5.45	14.24	0.00
A_51_P315904	NM_011817	Gadd45g	23882	growth arrest and DNA-damage-inducible 45 gamma	6.42	13.99	0.00
A_51_P363187	NM_008176	Cxcl1	14825	chemokine (C-X-C motif) ligand 1	4.73	13.96	0.00
A_52_P432170	AK021294	2810416G2	1E+08	RIKEN cDNA 2810416G20 gene	10.52	13.78	0.00
A_51_P412817	AK029791	Dnahc2	327954	dynein, axonemal, heavy chain 2	9.40	13.70	0.00
A_51_P387235	NM_021524	Nampt	59027	nicotinamide phosphoribosyltransferase	7.32	13.63	0.00
A_51_P336830	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	10.15	13.49	0.00
A_51_P476767	NM_010924	Nnmt	18113	nicotinamide N-methyltransferase	6.44	13.22	0.00
A_52_P1196729	AK086288	NA	NA	NA	8.29	13.17	0.00
A_52_P222775	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	7.17	13.11	0.00
A_51_P254656	NM_008230	Hdc	15186	histidine decarboxylase	12.21	13.05	0.00
A_51_P233797	NM_009626	Adh7	11529	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	8.34	13.04	0.00
A_51_P317427	NM_177420	Psat1	107272	phosphoserine aminotransferase 1	7.98	12.98	0.00
A_51_P246317	NM_008630	Mt2	17750	metallothionein 2	5.29	12.94	0.00
A_51_P480290	AK010559	Casz1	69743	castor homolog 1, zinc finger (Drosophila)	6.30	12.75	0.00
A_51_P170807	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	7.46	12.66	0.00
A_52_P189772	NM_194336	Mpa2l	100702	macrophage activation 2 like	5.26	12.54	0.00
A_51_P514961	NM_178892	Tiparp	99929	TCDD-inducible poly(ADP-ribose) polymerase serine (or cysteine) peptidase inhibitor, clade A,	4.47	12.53	0.00
A_51_P159453	NM_009252	Serpina3n	20716	member 3N	10.00	12.52	0.00
A_52_P301935	NM_001033	Il20rb	213208	interleukin 20 receptor beta	4.75	12.46	0.00
A_52_P141608	NM_183160	E030010A1	1226040	RIKEN cDNA E030010A14 gene	5.54	12.43	0.00

A_52_P174942	AK040447	Nrp1	18186	neuropilin 1	4.07	12.35	0.00
A_51_P489522	AK150917	Ctla2b	13025	cytotoxic T lymphocyte-associated protein 2 beta	13.54	12.22	0.00
A_51_P295315	NM_020033	Ankrd2	56642	ankyrin repeat domain 2 (stretch responsive muscle)	3.50	12.02	0.01
A_51_P436652	NM_013654	Ccl7	20306	chemokine (C-C motif) ligand 7	5.65	11.88	0.00
A_52_P383653	NM_001033	Cpne8	66871	copine VIII	10.44	11.67	0.00
A_52_P327664	NM_153564	Gbp5	229898	guanylate binding protein 5	4.43	11.65	0.00
A_51_P311958	NM_013623	Orm3	18407	orosomuroid 3	7.97	11.50	0.00
A_51_P323180	NM_172777	Gbp9	236573	guanylate-binding protein 9	5.91	11.43	0.00
A_52_P605319	NM_199148	BC051665	218275	cDNA sequence BC051665	9.67	11.36	0.00
A_51_P288138	NM_008039	Fpr2	14289	formyl peptide receptor 2	10.55	11.30	0.00
A_51_P474459	NM_007707	Socs3	12702	suppressor of cytokine signaling 3	6.75	11.13	0.00
A_52_P463936	NM_015783	Isg15	1E+08	ISG15 ubiquitin-like modifier	4.28	11.10	0.00
A_52_P496726	NM_009026	Rasd1	19416	RAS, dexamethasone-induced 1	10.09	11.07	0.00
A_52_P661713	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	5.37	11.03	0.00
A_52_P50529	BC116253	Nlrp12	378425	NLR family, pyrin domain containing 12	8.67	10.99	0.00
A_52_P362917	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	3.18	10.97	0.02
A_52_P87843	NM_053080	Aldh1a3	56847	aldehyde dehydrogenase family 1, subfamily A3	4.38	10.95	0.00
A_51_P208152	AK014460	3930402G2	665306	RIKEN cDNA 3930402G23 gene	11.90	10.88	0.00
A_52_P295432	NM_009141	Cxcl5	20311	chemokine (C-X-C motif) ligand 5	4.09	10.88	0.00
A_52_P259268	XM_982175	Gm7969	666185	predicted gene 7969	5.83	10.85	0.00
A_51_P112405	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor serine (or cysteine) peptidase inhibitor, clade A, member 3G	6.03	10.81	0.00
A_51_P326191	NM_009251	Serpina3g	20715	member 3G	8.81	10.80	0.00
A_51_P297925	NM_153159	Zc3h12a	230738	zinc finger CCCH type containing 12A	4.52	10.79	0.00
A_51_P408506	BC008626	Icam1	15894	intercellular adhesion molecule 1	5.67	10.75	0.00
A_52_P321150	NM_023516	2310016C0	69573	RIKEN cDNA 2310016C08 gene	6.20	10.74	0.00
A_52_P31543	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative transformation related protein 53 inducible nuclear	5.96	10.74	0.00
A_51_P175580	NM_021897	Trp53inp1	60599	protein 1	2.99	10.72	0.03
A_51_P511810	NM_001042	Cd63	12512	CD63 antigen	10.13	10.65	0.00
A_52_P658122	NM_011809	Ets2	23872	E26 avian leukemia oncogene 2, 3' domain	5.41	10.56	0.00

				nuclear factor of kappa light polypeptide gene enhancer			
A_51_P387591	NM_030612	Nfkbiz	80859	in B-cells inhibitor, zeta	6.65	10.55	0.00
A_51_P494403	AK046736	Xaf1	327959	XIAP associated factor 1	2.73	10.48	0.07
A_51_P439085	NM_023516	2310016C069573		RIKEN cDNA 2310016C08 gene	6.48	10.34	0.00
A_52_P251690	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	4.97	10.30	0.00
A_51_P111612	NM_001042	Arrdc4	66412	arrestin domain containing 4	3.25	10.24	0.01
A_51_P327405	NM_029509	Gbp8	76074	guanylate-binding protein 8	4.21	10.21	0.00
A_51_P116601	NM_172447	A330021E2207686		RIKEN cDNA A330021E22 gene	7.41	10.17	0.00
A_51_P512384	NM_001044	Timp1	21857	tissue inhibitor of metalloproteinase 1	10.34	10.13	0.00
A_52_P288270	XR_003114	NA	NA	NA	12.72	10.05	0.00
A_51_P262340	BC106176	Rbm3	19652	RNA binding motif protein 3	16.57	10.03	0.00
A_51_P197209	NM_133770	Adck4	76889	aarF domain containing kinase 4	9.30	9.96	0.00
A_51_P407028	NM_007607	Car4	12351	carbonic anhydrase 4	10.72	9.96	0.00
A_52_P161488	NM_019948	Clec4e	56619	C-type lectin domain family 4, member e	8.48	9.95	0.00
A_52_P350512	NM_145996	Arid5a	214855	AT rich interactive domain 5A (MRF1-like)	4.59	9.85	0.00
A_51_P238722	NM_010740	Cd93	17064	CD93 antigen	12.64	9.83	0.00
A_51_P307166	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	5.90	9.82	0.00
				cell death-inducing DNA fragmentation factor, alpha			
A_51_P199168	NM_007702	Cidea	12683	subunit-like effector A	6.23	9.82	0.00
A_52_P466090	NM_018851	Samhd1	56045	SAM domain and HD domain, 1	4.33	9.79	0.00
A_52_P422494	NM_145634	Cd300lf	246746	CD300 antigen like family member F	9.33	9.77	0.00
A_51_P371750	NM_010766	Marco	17167	macrophage receptor with collagenous structure	5.73	9.71	0.00
A_51_P444447	NM_007679	Cebpd	12609	CCAAT/enhancer binding protein (C/EBP), delta	7.98	9.64	0.00
A_52_P603038	NM_016968	Olig1	50914	oligodendrocyte transcription factor 1	4.16	9.62	0.00
A_51_P396045	NM_010704	Lepr	16847	leptin receptor	9.94	9.60	0.00
				potassium inwardly-rectifying channel, subfamily J,			
A_51_P312795	NM_008428	Kcnj8	16523	member 8	9.69	9.58	0.00
A_52_P522157	BC032970	2810026P172655		RIKEN cDNA 2810026P18 gene	3.76	9.54	0.00
A_52_P250644	NA	NA	NA	NA	8.07	9.40	0.00
A_51_P182796	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	8.41	9.39	0.00
				solute carrier family 7 (cationic amino acid transporter,			
A_52_P462071	NM_178798	Slc7a6	330836	y+ system), member 6	5.19	9.31	0.00
A_51_P320930	NM_198297	Trat1	77647	T cell receptor associated transmembrane adaptor 1	7.60	9.26	0.00

A_51_P229675	NM_011636	Plscr1	22038	phospholipid scramblase 1	4.24	9.24	0.00
A_51_P100063	NM_010727	Lnx1	16924	ligand of numb-protein X 1	3.44	9.23	0.01
A_52_P544421	NM_029509	Gbp8	76074	guanylate-binding protein 8	5.32	9.09	0.00
A_52_P428599	NM_145126	Chi3l4	104183	chitinase 3-like 4	9.76	9.05	0.00
A_51_P229676	NM_011636	Plscr1	22038	phospholipid scramblase 1	3.66	9.01	0.01
A_51_P187902	NM_024193	Nop56	67134	NOP56 ribonucleoprotein homolog (yeast)	2.85	9.00	0.05
A_52_P523835	AK029360	Nfe2l2	18024	nuclear factor, erythroid derived 2, like 2	4.17	8.99	0.00
A_51_P166941	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	6.42	8.97	0.00
A_51_P219325	NM_028038	Ddx28	71986	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	9.60	8.96	0.00
A_51_P519251	NM_019738	Nupr1	56312	nuclear protein 1	6.33	8.89	0.00
A_51_P154842	NM_145153	Oas1f	243262	2'-5' oligoadenylate synthetase 1F	7.87	8.86	0.00
A_51_P512379	NA	NA	NA	NA	8.90	8.81	0.00
A_51_P182794	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	7.79	8.75	0.00
A_51_P384894	NM_001033	Csta	209294	cystatin A	7.60	8.73	0.00
A_51_P214423	BC049153	Tead1	21676	TEA domain family member 1	4.27	8.68	0.00
A_51_P484158	NM_027399	Steap1	70358	six transmembrane epithelial antigen of the prostate 1	6.23	8.52	0.00
A_52_P400436	NM_025367	Sphk1	20698	sphingosine kinase 1	5.53	8.47	0.00
A_52_P337357	NM_145211	Oas1a	246730	2'-5' oligoadenylate synthetase 1A	7.71	8.36	0.00
A_52_P220879	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	11.42	8.35	0.00
A_52_P981697	NM_177712	Zfp874	238692	zinc finger protein 874	10.93	8.31	0.00
A_52_P613241	NM_010493	Icam1	15894	intercellular adhesion molecule 1	4.62	8.29	0.00
A_51_P141546	NM_011016	Orm2	18406	orosomuroid 2	9.92	8.26	0.00
A_52_P57843	NM_011347	Selp	20344	selectin, platelet	6.82	8.24	0.00
A_51_P501554	NM_025453	Tm4sf20	66261	transmembrane 4 L six family member 20	3.08	8.18	0.02
A_51_P517843	NM_027450	Glipr2	384009	GLI pathogenesis-related 2	8.03	8.18	0.00
A_51_P125745	NM_012055	Asns	27053	asparagine synthetase	5.96	8.17	0.00
A_52_P535122	NA	NA	NA	NA	7.54	8.12	0.00
A_51_P211854	NM_011347	Selp	20344	selectin, platelet	7.76	8.04	0.00
A_51_P461108	NM_148958	Osbpl10	74486	oxysterol binding protein-like 10	7.82	7.98	0.00
A_51_P447545	NM_008341	Igfbp1	16006	insulin-like growth factor binding protein 1	5.03	7.98	0.00
A_51_P319460	NM_011019	Osmr	18414	oncostatin M receptor	12.82	7.97	0.00
A_51_P488739	NM_030701	Niacr1	80885	niacin receptor 1	3.80	7.96	0.00
A_52_P1013432	NA	NA	NA	NA	11.38	7.94	0.00

A_51_P491667	NM_024440	Der13	70377	Der1-like domain family, member 3	4.25	7.93	0.00
A_52_P46085	NM_080638	Mvp	78388	major vault protein	11.75	7.93	0.00
A_51_P193019	NM_011157	Srgn	19073	serglycin	7.25	7.70	0.00
A_51_P123676	AK034012	Synpo	104027	synaptopodin	12.57	7.58	0.00
A_52_P601446	AK049314	Trim27	19720	tripartite motif-containing 27	4.32	7.57	0.00
A_52_P24439	NM_023134	Sftpa1	20387	surfactant associated protein A1	6.20	7.52	0.00
A_52_P509421	XM_001003	NA	NA	NA	5.53	7.52	0.00
A_51_P177392	AB041546	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	11.22	7.52	0.00
A_52_P532982	NM_011819	Gdf15	23886	growth differentiation factor 15	6.88	7.51	0.00
A_51_P173709	NM_022420	Gprc5b	64297	G protein-coupled receptor, family C, group 5, member B	6.25	7.51	0.00
A_51_P217463	NM_009140	Cxcl2	20310	chemokine (C-X-C motif) ligand 2	3.54	7.49	0.01
A_51_P226269	NM_025427	1190002H2	66214	RIKEN cDNA 1190002H23 gene	5.12	7.46	0.00
A_52_P354682	NM_029001	Elov17	74559	ELOVL family member 7, elongation of long chain fatty acids (yeast)	7.23	7.42	0.00
A_52_P191567	AK140530	Plcl1	227120	phospholipase C-like 1	7.01	7.41	0.00
A_52_P452689	NM_007498	Atf3	11910	activating transcription factor 3	3.20	7.40	0.02
A_52_P654841	NM_011636	Plscr1	22038	phospholipid scramblase 1	3.06	7.39	0.02
A_51_P280455	AB034730	Prg4	96875	proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein)	6.84	7.38	0.00
A_52_P579580	NA	NA	NA	NA	6.67	7.37	0.00
A_52_P271244	NM_133692	Pold3	67967	polymerase (DNA-directed), delta 3, accessory subunit	4.41	7.31	0.00
A_52_P646979	NM_025967	D16Ertd47	67102	DNA segment, Chr 16, ERATO Doi 472, expressed	5.28	7.30	0.00
A_52_P185343	AK011851	Gna13	14674	guanine nucleotide binding protein, alpha 13	6.09	7.25	0.00
A_51_P176954	NM_008575	Mdm4	17248	transformed mouse 3T3 cell double minute 4	7.74	7.23	0.00
A_52_P686785	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1	6.73	7.22	0.00
A_52_P334593	NM_017466	Ccr12	54199	chemokine (C-C motif) receptor-like 2	3.02	7.22	0.03
A_51_P444954	NM_172953	Serpina5	268591	serine (or cysteine) peptidase inhibitor, clade A, member 5	4.38	7.18	0.00
A_51_P421958	NM_144792	Sgms1	208449	sphingomyelin synthase 1	5.69	7.16	0.00
A_51_P265495	NM_010738	Ly6a	110454	lymphocyte antigen 6 complex, locus A	6.74	7.04	0.00

A_52_P564544	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	9.28	7.03	0.00
A_51_P213544	NM_010637	Klf4	16600	Kruppel-like factor 4 (gut)	5.81	6.94	0.00
A_51_P341647	NM_007985	Fancc	14088	Fanconi anemia, complementation group C	5.82	6.93	0.00
A_52_P119814	NM_001004	Slc13a5	237831	solute carrier family 13 (sodium-dependent citrate transporter), member 5	11.11	6.91	0.00
A_52_P644273	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	5.29	6.91	0.00
A_51_P423578	NM_011408	Slfn2	20556	schlafen 2	8.17	6.87	0.00
A_51_P314547	AK019935	NA	NA	NA	6.60	6.84	0.00
A_52_P256844	NM_019442	Stk19	54402	serine/threonine kinase 19	3.11	6.78	0.02
A_51_P178692	NM_007930	Enc1	13803	ectodermal-neural cortex 1	3.68	6.75	0.01
A_51_P336325	NM_008768	Orm1	18405	orosomuroid 1	4.91	6.73	0.00
A_51_P267587	BC052902	Gdap10	14546	ganglioside-induced differentiation-associated-protein 10	4.14	6.67	0.00
A_51_P452119	NM_008498	Lhx1	16869	LIM homeobox protein 1	6.76	6.66	0.00
A_51_P487791	NM_007420	Adrb2	11555	adrenergic receptor, beta 2	10.34	6.65	0.00
A_52_P78659	NM_024288	Rmnd5a	68477	required for meiotic nuclear division 5 homolog A (S. cerevisiae)	4.86	6.63	0.00
A_52_P297062	NM_010727	Ln timer	16924	ligand of numb-protein X 1	3.61	6.62	0.01
A_51_P282508	NM_007484	Rhoc	11853	ras homolog gene family, member C	9.59	6.61	0.00
A_52_P577484	NM_011448	Sox9	20682	SRY-box containing gene 9	8.59	6.61	0.00
A_51_P120093	NM_028035	Snx10	71982	sorting nexin 10	7.32	6.60	0.00
A_51_P379976	NM_001039	Arl4a	11861	ADP-ribosylation factor-like 4A	7.12	6.59	0.00
A_52_P635388	AB026047	Ms4a6d	68774	membrane-spanning 4-domains, subfamily A, member 6D	5.73	6.51	0.00
A_51_P294555	NM_001033	Ifitm6	213002	interferon induced transmembrane protein 6	7.42	6.50	0.00
A_51_P418375	NM_023844	Jam2	67374	junction adhesion molecule 2	8.84	6.46	0.00
A_51_P180423	NM_009921	Camp	12796	cathelicidin antimicrobial peptide	10.39	6.43	0.00
A_51_P511787	NM_007609	Casp4	12363	caspase 4, apoptosis-related cysteine peptidase	5.04	6.42	0.00
A_51_P361448	NM_028903	Scara5	71145	scavenger receptor class A, member 5 (putative)	5.95	6.40	0.00
A_52_P544043	BC013068	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	6.96	6.39	0.00
A_51_P140710	NM_011337	Ccl3	20302	chemokine (C-C motif) ligand 3	5.22	6.39	0.00
A_51_P246066	NM_029612	Slamf9	98365	SLAM family member 9	9.95	6.37	0.00
A_52_P631307	AK043577	Ypel4	241525	yippee-like 4 (Drosophila)	4.75	6.36	0.00
A_51_P387608	NM_010431	Hif1a	15251	hypoxia inducible factor 1, alpha subunit	5.99	6.36	0.00

A_51_P499698	BC057938	Asprv1	67855	aspartic peptidase, retroviral-like 1	8.31	6.36	0.00
A_52_P273935	AK020313	9230104K2	77688	RIKEN cDNA 9230104K21 gene	4.84	6.34	0.00
A_51_P440568	NM_019442	Stk19	54402	serine/threonine kinase 19	3.06	6.32	0.02
A_52_P472302	NM_022004	Fxyd6	59095	FXYD domain-containing ion transport regulator 6	4.32	6.31	0.00
A_52_P371154	NM_144792	Sgms1	208449	sphingomyelin synthase 1	6.57	6.30	0.00
A_52_P339726	NA	NA	NA	NA	5.59	6.26	0.00
A_51_P155052	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1	5.91	6.24	0.00
A_51_P232682	NM_017466	Ccrl2	54199	chemokine (C-C motif) receptor-like 2	3.78	6.24	0.00
A_51_P511236	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	4.94	6.20	0.00
A_51_P329928	NM_013750	Phlda3	27280	pleckstrin homology-like domain, family A, member 3	6.47	6.19	0.00
A_52_P496935	NM_030184	Armc9	78795	armadillo repeat containing 9	6.32	6.18	0.00
A_52_P850132	AK008330	2010107C1	70256	RIKEN cDNA 2010107C10 gene	3.93	6.18	0.00
A_51_P291417	NM_009378	Thbd	21824	thrombomodulin	5.60	6.17	0.00
A_51_P319917	NM_007403	Adam8	11501	a disintegrin and metallopeptidase domain 8	6.07	6.17	0.00
A_51_P435023	NM_019713	Rassf1	56289	Ras association (RalGDS/AF-6) domain family member 1	9.48	6.16	0.00
A_51_P229129	NM_146818	Olf1r1218	258815	olfactory receptor 1218	8.39	6.15	0.00
A_52_P169901	NM_001009	Mcart1	230125	mitochondrial carrier triple repeat 1	4.95	6.15	0.00
A_51_P480119	NM_029942	Preli2	77619	PRELI domain containing 2	3.43	6.12	0.01
A_52_P533146	NM_007837	Ddit3	13198	DNA-damage inducible transcript 3	9.82	6.09	0.00
A_51_P122246	NM_029720	Creld2	76737	cysteine-rich with EGF-like domains 2	6.27	6.07	0.00
A_51_P231320	NM_008611	Mmp8	17394	matrix metallopeptidase 8	9.45	6.06	0.00
A_51_P112355	NM_018738	Igtp	16145	interferon gamma induced GTPase	3.55	6.05	0.01
A_51_P168459	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	9.84	6.02	0.00
A_51_P367060	NM_013562	Ifrd1	15982	interferon-related developmental regulator 1	7.35	6.00	0.00
A_52_P408580	NM_001004	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	11.51	6.00	0.00
A_51_P245796	NM_029083	Ddit4	74747	DNA-damage-inducible transcript 4	4.67	5.98	0.00
A_52_P435154	NM_172648	Ifi205	226695	interferon activated gene 205	4.32	5.98	0.00
A_52_P110052	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	6.28	5.98	0.00

A_52_P228491	NM_0010251	Lrig2	269473	leucine-rich repeats and immunoglobulin-like domains 2	5.65	5.95	0.00
A_52_P193533	AK159732	Slc25a30	67554	solute carrier family 25, member 30	4.14	5.94	0.00
A_51_P153063	NM_029310	Fabp12	75497	fatty acid binding protein 12 protein prenyltransferase alpha subunit repeat containing 1	7.21	5.92	0.00
A_51_P168981	AK015225	Ptar1	72351	containing 1	4.60	5.89	0.00
A_51_P454873	NM_023456	Npy	109648	neuropeptide Y	9.40	5.89	0.00
A_51_P361650	NM_009117	Saa1	20208	serum amyloid A 1	4.26	5.88	0.00
A_52_P138126	NM_133232	Pfkfb3	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	2.85	5.86	0.05
A_52_P155849	NM_0010391	Arl4a	11861	ADP-ribosylation factor-like 4A	5.98	5.84	0.00
A_51_P383689	NM_010220	Fkbp5	14229	FK506 binding protein 5	9.12	5.83	0.00
A_52_P533817	AK009185	Barx2	12023	BarH-like homeobox 2	5.91	5.83	0.00
A_51_P134812	NM_026929	Chac1	69065	ChaC, cation transport regulator-like 1 (E. coli)	4.25	5.82	0.00
A_52_P220810	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	6.52	5.82	0.00
A_51_P165182	NM_028967	Batf2	74481	basic leucine zipper transcription factor, ATF-like 2	5.87	5.81	0.00
A_52_P492189	NA	NA	NA	NA	4.72	5.77	0.00
A_52_P574291	AK015681	Chic2	74277	cysteine-rich hydrophobic domain 2 SAM domain, SH3 domain and nuclear localization signals, 1	4.07	5.77	0.00
A_52_P646832	NM_023380	Samsn1	67742	signals, 1	8.89	5.77	0.00
A_52_P61786	NM_008211	H3f3b	15081	H3 histone, family 3B	4.50	5.76	0.00
A_51_P463846	NM_145545	Gbp6	229900	guanylate binding protein 6	4.00	5.76	0.00
A_52_P661071	NR_003270	Snhg3	399101	small nucleolar RNA host gene (non-protein coding) 3	5.16	5.74	0.00
A_51_P324110	NM_144808	Slc39a14	213053	solute carrier family 39 (zinc transporter), member 14	6.53	5.71	0.00
A_52_P68440	NA	NA	NA	NA	8.52	5.70	0.00
A_52_P590168	NM_009375	Tg	21819	thyroglobulin	9.14	5.70	0.00
A_52_P337899	NM_010220	Fkbp5	14229	FK506 binding protein 5	8.69	5.69	0.00
A_51_P268053	NM_008696	Map4k4	26921	mitogen-activated protein kinase kinase kinase kinase 4	6.50	5.67	0.00
A_52_P88878	NM_020043	Igdcc4	56741	immunoglobulin superfamily, DCC subclass, member 4	4.34	5.65	0.00

A_52_P35217	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative	4.98	5.65	0.00
A_51_P394190	NM_010723	Lmo4	16911	LIM domain only 4	6.82	5.64	0.00
A_51_P183812	NM_011410	Slnf4	20558	schlafen 4	7.52	5.62	0.00
A_51_P346964	NM_029844	Mrap	77037	melanocortin 2 receptor accessory protein	7.32	5.61	0.00
A_51_P217218	NM_031168	Il6	16193	interleukin 6	6.52	5.60	0.00
A_52_P424308	NM_176998	5730410E1319613		RIKEN cDNA 5730410E15 gene	7.89	5.60	0.00
				membrane-spanning 4-domains, subfamily A, member			
A_51_P149714	NM_026835	Ms4a6d	68774	6D	7.55	5.60	0.00
A_52_P594756	NM_023048	Asb4	65255	ankyrin repeat and SOCS box-containing 4	8.95	5.59	0.00
A_52_P655778	XR_002713	NA	NA	NA	6.01	5.58	0.00
A_51_P495462	AK018118	Gad2	14417	glutamic acid decarboxylase 2	4.72	5.56	0.00
A_51_P144264	NM_008452	Klf2	16598	Kruppel-like factor 2 (lung)	3.58	5.55	0.01
A_51_P513504	NM_016810	Gosr1	53334	golgi SNAP receptor complex member 1	6.44	5.53	0.00
A_52_P676686	NM_175121	Slc38a2	67760	solute carrier family 38, member 2	7.04	5.52	0.00
A_51_P428913	D38379	Pkm2	18746	pyruvate kinase, muscle	8.37	5.51	0.00
A_52_P414464	NM_207649	Rcan2	53901	regulator of calcineurin 2	6.66	5.48	0.00
A_52_P263673	NM_177101	4833442J1320204		RIKEN cDNA 4833442J19 gene	5.55	5.46	0.00
A_51_P333274	NM_013542	Gzmb	14939	granzyme B	6.93	5.44	0.00
A_51_P420489	NM_134246	Acot3	171281	acyl-CoA thioesterase 3	3.94	5.44	0.00
A_51_P421140	NM_026473	Tubb6	67951	tubulin, beta 6	6.96	5.43	0.00
A_52_P131458	NM_027238	Ttc39b	69863	tetratricopeptide repeat domain 39B	6.20	5.43	0.00
				avian reticuloendotheliosis viral (v-rel) oncogene related			
A_51_P389751	NM_009046	Relb	19698	B	3.80	5.43	0.00
A_52_P306305	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	6.26	5.41	0.00
A_51_P440535	NM_029005	Mlkl	74568	mixed lineage kinase domain-like	7.00	5.41	0.00
A_52_P616332	NM_153389	Atp10d	231287	ATPase, class V, type 10D	9.16	5.40	0.00
A_51_P427264	NM_181039	Lphn1	330814	latrophilin 1	10.22	5.40	0.00
				sema domain, transmembrane domain (TM), and			
A_51_P417952	NM_013662	Sema6b	20359	cytoplasmic domain, (semaphorin) 6B	8.43	5.39	0.00
A_51_P382152	NM_011171	Procr	19124	protein C receptor, endothelial	6.93	5.37	0.00
A_51_P124254	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	7.52	5.37	0.00
A_52_P102931	AK087160	Gimap5	317757	GTPase, IMAP family member 5	6.51	5.36	0.00
A_51_P306839	NM_025465	1810029B166282		RIKEN cDNA 1810029B16 gene	3.35	5.36	0.01
A_51_P492488	NM_178204	Hist1h3d	319149	histone cluster 1, H3d	4.34	5.34	0.00

A_52_P437066	XM_905410	LOC631287	631287	similar to interferon induced transmembrane protein 2	12.49	5.31	0.00
A_52_P254607	NM_019442	Stk19	54402	serine/threonine kinase 19	2.82	5.30	0.05
A_52_P129756	NM_020559	Alas1	11655	aminolevulinic acid synthase 1	4.77	5.30	0.00
A_51_P383032	NM_010819	Clec4d	17474	C-type lectin domain family 4, member d	7.29	5.30	0.00
A_51_P263246	NM_008748	Dusp8	18218	dual specificity phosphatase 8	4.51	5.28	0.00
A_52_P618807	NM_133656	Crk	12928	v-crk sarcoma virus CT10 oncogene homolog (avian)	6.72	5.27	0.00
A_52_P431615	XM_001000	Gm1966	434223	predicted gene 1966	4.30	5.27	0.00
A_51_P503162	NM_011803	Klf6	23849	Kruppel-like factor 6	3.65	5.26	0.01
A_52_P117408	NM_009375	Tg	21819	thyroglobulin	8.42	5.25	0.00
A_51_P239654	NM_010444	Nr4a1	15370	nuclear receptor subfamily 4, group A, member 1	4.11	5.25	0.00
A_51_P451346	NM_011803	Klf6	23849	Kruppel-like factor 6	3.80	5.25	0.00
A_52_P139579	NM_011710	Wars	22375	tryptophanyl-tRNA synthetase	5.58	5.25	0.00
A_52_P15388	NM_008522	Ltf	17002	lactotransferrin	5.76	5.24	0.00
A_51_P387123	NM_011854	Oasl2	23962	2'-5' oligoadenylate synthetase-like 2	5.69	5.24	0.00
A_52_P658945	XM_973796	NA	NA	NA	2.99	5.23	0.03
A_51_P159610	NM_207202	Ccdc120	54648	coiled-coil domain containing 120	10.28	5.22	0.00
A_52_P244236	AK013215	Tmem87b	72477	transmembrane protein 87B	7.66	5.19	0.00
A_51_P418116	NM_146162	Tmem119	231633	transmembrane protein 119	8.25	5.17	0.00
A_52_P619287	BC054101	NA	NA	NA	9.42	5.17	0.00
A_51_P161362	NM_145552	Gnl2	230737	guanine nucleotide binding protein-like 2 (nucleolar)	7.30	5.16	0.00
A_51_P452506	NM_145538	Tmem189	407243	transmembrane protein 189	5.75	5.11	0.00
A_52_P510987	NM_175628	A2m	232345	alpha-2-macroglobulin	3.01	5.11	0.03
A_51_P359462	NM_178216	Hist2h3c1	15077	histone cluster 2, H3c1	4.12	5.11	0.00
A_51_P262515	NM_172603	Phf11	219131	PHD finger protein 11	6.60	5.10	0.00
A_52_P116501	NA	NA	NA	NA	9.81	5.10	0.00
A_52_P35895	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	7.15	5.07	0.00
A_51_P262171	NM_008326	Irgm1	15944	immunity-related GTPase family M member 1	3.23	5.07	0.02
A_52_P925197	NM_007570	Btg2	12227	B-cell translocation gene 2, anti-proliferative	4.89	5.06	0.00
A_52_P425839	NM_181596	Retnlg	245195	resistin like gamma	6.16	5.05	0.00
A_52_P150212	NM_011099	Pkm2	18746	pyruvate kinase, muscle	9.49	5.04	0.00
A_52_P518827	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	8.43	5.02	0.00

A_52_P238159	BC042188	Gm9975	327988	predicted gene 9975	5.82	5.01	0.00
A_51_P465211	NM_026323	Wfdc2	67701	WAP four-disulfide core domain 2	4.29	5.01	0.00
A_51_P212782	NM_008361	Il1b	16176	interleukin 1 beta	6.17	5.00	0.00
A_52_P489295	NM_009621	Adamts1	11504	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 1	8.15	5.00	0.00
A_51_P401797	NM_013599	Mmp9	17395	matrix metalloproteinase 9	7.96	4.97	0.00
A_52_P311491	BC060722	Ibtk	108837	inhibitor of Bruton agammaglobulinemia tyrosine kinase	5.47	4.97	0.00
A_52_P616392	NM_183426	Sbno2	216161	strawberry notch homolog 2 (Drosophila)	5.56	4.96	0.00
A_51_P452629	NM_011905	Tlr2	24088	toll-like receptor 2	3.78	4.94	0.00
A_52_P294510	NM_145594	Fgl1	234199	fibrinogen-like protein 1	5.34	4.94	0.00
A_51_P463765	NM_011595	Timp3	21859	tissue inhibitor of metalloproteinase 3	5.23	4.93	0.00
A_51_P464918	NM_019453	Mefv	54483	Mediterranean fever	7.90	4.92	0.00
A_51_P510713	NM_020583	Isg20	57444	interferon-stimulated protein	2.70	4.89	0.07
A_52_P608322	NM_010755	Maff	17133	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	3.01	4.88	0.03
A_51_P128929	NM_020559	Alas1	11655	aminolevulinic acid synthase 1	5.23	4.88	0.00
A_51_P374646	AK050573	NA	NA	NA	3.17	4.86	0.02
A_52_P1173559	NA	NA	NA	NA	5.28	4.86	0.00
A_51_P268831	NM_172659	Slc2a6	227659	solute carrier family 2 (facilitated glucose transporter), member 6	7.96	4.85	0.00
A_52_P65237	NM_145356	Zbtb7c	207259	zinc finger and BTB domain containing 7C	5.61	4.84	0.00
A_51_P427563	NM_025815	Cpne8	66871	copine VIII	5.73	4.84	0.00
A_51_P398878	NM_030724	Uck2	80914	uridine-cytidine kinase 2	7.11	4.83	0.00
A_52_P281888	AK016729	NA	NA	NA	7.44	4.83	0.00
A_52_P447064	AK076401	NA	NA	NA	3.72	4.82	0.01
A_51_P193336	NM_016773	Nucb2	53322	nucleobindin 2	5.98	4.80	0.00
A_52_P249965	NM_011723	Xdh	22436	xanthine dehydrogenase	5.02	4.80	0.00
A_52_P131423	AK007371	Mbd1	17190	methyl-CpG binding domain protein 1	4.28	4.80	0.00
A_52_P500027	NM_017373	Nfil3	18030	nuclear factor, interleukin 3, regulated	2.87	4.79	0.04
A_51_P352924	NM_010193	Fem1b	14155	feminization 1 homolog b (C. elegans)	3.38	4.79	0.01
A_51_P411917	NM_010258	Gata6	14465	GATA binding protein 6	9.01	4.77	0.00

A_51_P211732	NM_008977	Ptpn2	19255	protein tyrosine phosphatase, non-receptor type 2	3.97	4.77	0.00
A_52_P590474	NM_019937	Ccnl1	56706	cyclin L1	2.97	4.77	0.03
A_51_P400166	NM_011637	Trex1	22040	three prime repair exonuclease 1	3.02	4.76	0.03
A_51_P390538	XM_129176	NA	NA	NA	6.11	4.76	0.00
A_52_P283628	NM_148945	Rps6ka3	110651	ribosomal protein S6 kinase polypeptide 3	6.71	4.75	0.00
A_51_P342916	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	6.73	4.74	0.00
A_51_P453142	BC060722	Ibtk	108837	inhibitor of Bruton agammaglobulinemia tyrosine kinase	5.57	4.72	0.00
A_52_P195107	NM_021359	Itgb6	16420	integrin beta 6	5.25	4.72	0.00
A_51_P501218	AK154817	3110043O2	73205	RIKEN cDNA 3110043O21 gene	4.50	4.71	0.00
A_51_P159201	NM_008416	Junb	16477	Jun-B oncogene	5.16	4.71	0.00
A_52_P162967	NM_007642	Cd28	12487	CD28 antigen	7.69	4.71	0.00
A_51_P156857	NM_134133	2010002N0	106878	RIKEN cDNA 2010002N04 gene	5.45	4.70	0.00
A_51_P479230	NM_023455	Nat8	68396	N-acetyltransferase 8 (GCN5-related, putative)	5.02	4.70	0.00
A_51_P144090	NM_030696	Slc16a3	80879	solute carrier family 16 (monocarboxylic acid transporters), member 3	9.54	4.70	0.00
A_51_P515883	NM_139198	Plac8	231507	placenta-specific 8	8.02	4.68	0.00
A_52_P559618	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	7.39	4.67	0.00
A_52_P135398	NA	NA	NA	NA	6.59	4.67	0.00
A_51_P378415	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	5.11	4.67	0.00
A_52_P840743	NA	NA	NA	NA	5.63	4.66	0.00
A_51_P381821	NM_008046	Fst	14313	follicle-stimulating hormone receptor 1	3.60	4.66	0.01
A_52_P135392	BC004016	Uck2	80914	uridine-cytidine kinase 2	6.23	4.65	0.00
A_51_P345367	NM_010724	Psmb8	16913	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	8.21	4.64	0.00
A_51_P255456	NM_009994	Cyp1b1	13078	cytochrome P450, family 1, subfamily b, polypeptide 1	5.72	4.61	0.00
A_52_P331911	NM_010120	Eif1a	13664	eukaryotic translation initiation factor 1A	6.54	4.61	0.00
A_51_P102740	AK084873	NA	NA	NA	3.15	4.61	0.02
A_51_P153765	NM_024495	Car13	71934	carbonic anhydrase 13	5.91	4.60	0.00
A_52_P957500	BF719154	NA	NA	NA	4.16	4.58	0.00
A_52_P371922	XM_988404	NA	NA	NA	9.23	4.58	0.00

A_52_P202895	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	7.25	4.58	0.00
A_51_P478722	NM_011579	Tgtp	21822	T-cell specific GTPase	3.06	4.58	0.02
A_52_P325552	NM_145355	Rnf185	193670	ring finger protein 185	5.46	4.57	0.00
A_51_P377620	NM_001033	Mnda	381308	myeloid cell nuclear differentiation antigen	3.38	4.57	0.01
A_52_P153864	NM_010723	Lmo4	16911	LIM domain only 4	5.57	4.57	0.00
A_52_P563825	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	6.52	4.57	0.00
A_52_P443715	AK076444	Tcfcp2	21422	transcription factor CP2	3.69	4.56	0.01
A_51_P497100	NM_010706	Lgals4	16855	lectin, galactose binding, soluble 4	4.02	4.56	0.00
A_51_P481210	NM_177429	Ofd1	237222	oral-facial-digital syndrome 1 gene homolog (human)	5.26	4.55	0.00
A_52_P1020860	AK153119	AW112010	107350	expressed sequence AW112010	6.16	4.54	0.00
A_52_P67643	AK036004	Mtor	56717	mechanistic target of rapamycin (serine/threonine kinase)	6.60	4.54	0.00
A_51_P458384	NM_175121	Slc38a2	67760	solute carrier family 38, member 2	4.14	4.53	0.00
A_52_P184257	NM_027399	Steap1	70358	six transmembrane epithelial antigen of the prostate 1	5.71	4.53	0.00
A_51_P181517	NM_144559	Fcgr4	246256	Fc receptor, IgG, low affinity IV	7.97	4.52	0.00
A_51_P401343	NM_019500	Cldn14	56173	claudin 14	5.41	4.50	0.00
A_51_P408346	NM_008329	Ifi204	15951	interferon activated gene 204	6.48	4.49	0.00
A_51_P327261	NM_021327	Tnip1	57783	TNFAIP3 interacting protein 1	7.30	4.49	0.00
A_52_P275324	AK050568	Rbm39	170791	RNA binding motif protein 39	2.95	4.48	0.03
A_51_P155935	NM_144905	6330416G1230279		RIKEN cDNA 6330416G13 gene	5.73	4.47	0.00
A_51_P257951	NM_020509	Retnla	57262	resistin like alpha	5.11	4.47	0.00
A_51_P327920	AK030273	St7l	229681	suppression of tumorigenicity 7-like	4.56	4.47	0.00
A_52_P327176	NM_018884	Pdzrn3	55983	PDZ domain containing RING finger 3	7.45	4.46	0.00
A_52_P593110	AK015056	Ptbp2	56195	polypyrimidine tract binding protein 2	3.10	4.46	0.02
A_52_P398925	NM_173869	Stfa2l1	268885	stefin A2 like 1	6.58	4.45	0.00
A_51_P458258	NM_011888	Ccl19	24047	chemokine (C-C motif) ligand 19	4.21	4.45	0.00
A_52_P199633	NM_199146	AI451617	209387	expressed sequence AI451617	3.93	4.43	0.00
A_51_P167979	XM_001003	NA	NA	NA	4.84	4.43	0.00
A_51_P311611	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	5.63	4.42	0.00
A_52_P399998	NM_016920	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1	5.94	4.42	0.00
A_52_P491569	NM_028820	1700017B074211		RIKEN cDNA 1700017B05 gene	3.34	4.42	0.01

A_51_P429087	NM_133669	Rp2h	19889	retinitis pigmentosa 2 homolog (human)	7.71	4.41	0.00
A_52_P693104	AV147182	NA	NA	NA	8.93	4.40	0.00
A_52_P167278	NM_172308	Mthfd1l	270685	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	8.77	4.39	0.00
A_52_P463977	NM_197986	Tmem140	68487	transmembrane protein 140	2.88	4.38	0.04
A_51_P348280	NM_008359	Il17ra	16172	interleukin 17 receptor A	4.29	4.38	0.00
A_52_P415440	AK132208	Rps12	20042	ribosomal protein S12	7.54	4.37	0.00
A_52_P467389	NM_023044	Slc15a3	65221	solute carrier family 15, member 3	5.86	4.36	0.00
A_51_P276993	NM_030720	Gpr84	80910	G protein-coupled receptor 84	4.15	4.36	0.00
A_51_P148093	NM_008984	Ptpm	19274	protein tyrosine phosphatase, receptor type, M proteasome (prosome, macropain) subunit, beta type	4.19	4.35	0.00
A_52_P570266	NM_013640	Psmb10	19171	10	6.89	4.35	0.00
A_51_P224227	XM_900563	NA	NA	NA	6.04	4.34	0.00
A_52_P86965	XM_980696	AI607873	226691	expressed sequence AI607873	5.12	4.34	0.00
A_51_P202745	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	3.67	4.34	0.01
A_51_P494241	NM_007534	Bcl2a1b	12045	B-cell leukemia/lymphoma 2 related protein A1b	5.49	4.33	0.00
A_52_P228621	NM_011610	Tnfrsf1b	21938	tumor necrosis factor receptor superfamily, member 1b	5.67	4.33	0.00
A_52_P16657	BC031488	Tmem87b	72477	transmembrane protein 87B	5.50	4.31	0.00
A_51_P483473	NM_011375	St3gal5	20454	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	3.78	4.30	0.00
A_51_P401907	AK089257	Gm5483	433016	predicted gene 5483	8.47	4.30	0.00
A_52_P282762	NM_010851	Myd88	17874	myeloid differentiation primary response gene 88	7.33	4.30	0.00
A_51_P258150	NM_007408	Plin2	11520	perilipin 2	7.37	4.29	0.00
A_51_P312121	NM_011723	Xdh	22436	xanthine dehydrogenase	5.37	4.28	0.00
A_52_P237357	BC010335	NA	NA	NA	4.32	4.27	0.00
A_51_P396198	BG296545	NA	NA	NA	7.78	4.27	0.00
A_51_P412160	NM_172572	Rhbdf2	217344	rhomboid 5 homolog 2 (Drosophila)	4.48	4.26	0.00
A_52_P98140	BE865018	NA	NA	NA	3.18	4.26	0.02
A_52_P334562	NM_009504	Vdr	22337	vitamin D receptor	5.03	4.26	0.00
A_52_P442234	NM_008197	H1f0	14958	H1 histone family, member 0	3.69	4.25	0.01
A_51_P380861	AK172225	9130208E0	77670	RIKEN cDNA 9130208E07 gene	3.63	4.25	0.01
A_51_P201982	NM_007426	Angpt2	11601	angiopoietin 2	5.49	4.24	0.00
A_52_P601829	AK035485	NA	NA	NA	5.01	4.23	0.00

A_52_P619820	NM_001033	Pnrc1	108767	proline-rich nuclear receptor coactivator 1	3.87	4.22	0.00
A_52_P382854	NM_172572	Rhbdf2	217344	rhomboid 5 homolog 2 (Drosophila)	4.80	4.22	0.00
A_51_P454008	NM_008489	Lbp	16803	lipopolysaccharide binding protein	5.48	4.22	0.00
A_51_P494597	AK137465	BC013712	230787	cDNA sequence BC013712	3.13	4.22	0.02
A_51_P172292	NM_018746	Itih4	16427	inter alpha-trypsin inhibitor, heavy chain 4	6.15	4.20	0.00
A_52_P315280	NM_010918	Nktr	18087	natural killer tumor recognition sequence	4.45	4.19	0.00
A_52_P275864	NM_144905	6330416G1	230279	RIKEN cDNA 6330416G13 gene	7.63	4.19	0.00
A_52_P88591	NM_030262	Pofut2	80294	protein O-fucosyltransferase 2	6.59	4.19	0.00
A_51_P439876	AK020498	Map4k4	26921	mitogen-activated protein kinase kinase kinase kinase 4 solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	7.09	4.19	0.00
A_52_P196476	AK148276	Slc11a2	18174	ion transporters), member 2	4.58	4.19	0.00
A_52_P135873	NA	NA	NA	NA	2.80	4.19	0.05
A_52_P424037	NM_019553	Ddx21	56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	7.85	4.17	0.00
A_51_P292008	NM_008161	Gpx3	14778	glutathione peroxidase 3	5.25	4.17	0.00
A_51_P487690	NM_133871	Ifi44	99899	interferon-induced protein 44	4.08	4.17	0.00
A_51_P345366	NM_010724	Psmb8	16913	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	6.74	4.17	0.00
A_52_P371946	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	8.50	4.16	0.00
A_51_P375138	L23108	Cd36	12491	CD36 antigen	2.94	4.16	0.03
A_52_P597775	NM_181444	Gprc5a	232431	G protein-coupled receptor, family C, group 5, member A	5.52	4.15	0.00
A_51_P480855	NM_021385	Rad18	58186	RAD18 homolog (<i>S. cerevisiae</i>)	5.59	4.15	0.00
A_52_P8953	NM_133669	Rp2h	19889	retinitis pigmentosa 2 homolog (human)	7.55	4.14	0.00
A_51_P272106	NM_007705	Cirbp	12696	cold inducible RNA binding protein	8.60	4.13	0.00
A_51_P398491	NM_021406	Trem1	58217	triggering receptor expressed on myeloid cells 1	3.84	4.13	0.00
A_51_P419768	NM_009061	Rgs2	19735	regulator of G-protein signaling 2	3.88	4.12	0.00
A_51_P354652	NM_026232	Slc25a30	67554	solute carrier family 25, member 30	3.36	4.12	0.01
A_51_P491987	NM_019955	Ripk3	56532	receptor-interacting serine-threonine kinase 3	8.48	4.12	0.00
A_52_P31577	NM_008359	Il17ra	16172	interleukin 17 receptor A	4.71	4.12	0.00
A_51_P179334	NM_029836	Tspsy12	52808	TSPY-like 2	4.82	4.11	0.00
A_52_P180373	XM_129176	NA	NA	NA	5.63	4.11	0.00
A_52_P398554	NA	NA	NA	NA	6.46	4.10	0.00
A_51_P228073	AK041075	Susd1	634731	sushi domain containing 1	3.77	4.10	0.00

A_52_P241484	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	4.49	4.10	0.00
A_51_P300054	XM_986054	4933440N2	74471	RIKEN cDNA 4933440N22 gene	5.27	4.09	0.00
A_51_P136277	NM_027874	Csnk1d	104318	casein kinase 1, delta	4.67	4.09	0.00
A_51_P102096	NM_010849	Myc	17869	myelocytomatosis oncogene	5.92	4.09	0.00
A_52_P371949	AK018313	Eif6	16418	eukaryotic translation initiation factor 6	5.88	4.08	0.00
A_52_P535195	AK139506	Gppp1l1	77110	GC-rich promoter binding protein 1-like 1 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic	6.59	4.08	0.00
A_51_P170651	S79463	Sema4c	20353	domain, (semaphorin) 4C	4.84	4.07	0.00
A_52_P625880	AK029366	Tmem209	72649	transmembrane protein 209	6.93	4.07	0.00
A_51_P197528	D86232	Ly6c2	1E+08	lymphocyte antigen 6 complex, locus C2	5.78	4.07	0.00
A_52_P79889	NM_011065	Per1	18626	period homolog 1 (Drosophila)	4.86	4.06	0.00
A_51_P153982	NM_001029	Cytsb	432572	cytospin B	8.23	4.05	0.00
A_52_P317356	XM_900563	NA	NA	NA	5.85	4.05	0.00
A_51_P184672	U21674	Tcte3	21647	t-complex-associated testis expressed 3	5.40	4.04	0.00
A_52_P254817	NM_020509	Retnla	57262	resistin like alpha	4.77	4.04	0.00
A_51_P362863	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	3.38	4.04	0.01
A_51_P338443	NM_020581	Angptl4	57875	angiopoietin-like 4 membrane-spanning 4-domains, subfamily A, member	5.81	4.04	0.00
A_52_P393488	NM_029499	Ms4a4c	64380	4C	6.50	4.04	0.00
A_51_P519295	NM_009817	Cast	12380	calpastatin	5.42	4.04	0.00
A_52_P230938	NM_010741	Ly6c1	17067	lymphocyte antigen 6 complex, locus C1	6.65	4.04	0.00
A_51_P446232	NM_019813	Dbn1	56320	drebrin 1	7.04	4.03	0.00
A_51_P276479	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	7.07	4.03	0.00
A_51_P204080	NM_013820	Hk2	15277	hexokinase 2	5.45	4.02	0.00
A_52_P417890	NM_010555	Il1r2	16178	interleukin 1 receptor, type II	9.27	4.02	0.00
A_52_P477369	NM_139059	Csnk1d	104318	casein kinase 1, delta	4.43	4.02	0.00
A_52_P85864	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	10.79	4.01	0.00
A_51_P423091	NM_008027	Flot1	14251	flotillin 1	8.93	4.01	0.00
A_51_P372550	BC023116	Cgref1	68567	cell growth regulator with EF hand domain 1	3.70	4.01	0.01
A_51_P356283	NM_133765	Fbxo31	76454	F-box protein 31	8.96	4.00	0.00
A_52_P572368	AK005014	1300015D0	74161	RIKEN cDNA 1300015D01 gene	5.73	4.00	0.00
A_51_P367310	NM_028083	Chaf1b	110749	chromatin assembly factor 1, subunit B (p60)	3.02	3.99	0.03
A_52_P484903	NM_008037	Fosl2	14284	fos-like antigen 2	7.11	3.99	0.00

A_51_P499838	NM_009763	Bst1	12182	bone marrow stromal cell antigen 1	9.07	3.98	0.00
A_52_P584058	NM_001039	Ivns1abp	117198	influenza virus NS1A binding protein	6.71	3.96	0.00
A_51_P325914	NM_010591	Jun	16476	Jun oncogene	4.75	3.96	0.00
A_51_P111492	NM_017373	Nfil3	18030	nuclear factor, interleukin 3, regulated	3.32	3.96	0.01
A_51_P351481	NM_019937	Ccnl1	56706	cyclin L1	2.75	3.95	0.06
A_51_P480241	NM_007921	Elf3	13710	E74-like factor 3	3.98	3.95	0.00
A_52_P411833	NA	NA	NA	NA	3.50	3.95	0.01
A_52_P364130	NM_016896	Map3k14	53859	mitogen-activated protein kinase kinase kinase 14	6.34	3.93	0.00
A_51_P202633	NM_015766	Ebi3	50498	Epstein-Barr virus induced gene 3 human immunodeficiency virus type I enhancer binding protein 2	6.87	3.93	0.00
A_51_P443754	NM_010437	Hivep2	15273	matrix metalloproteinase 7	3.88	3.93	0.00
A_51_P426096	NM_010810	Mmp7	17393	interferon-induced protein with tetratricopeptide repeats 3	6.25	3.93	0.00
A_51_P359570	NM_010501	Ifit3	15959	serum amyloid P-component	2.85	3.91	0.05
A_51_P354165	NM_011318	Apcs	20219	interferon regulatory factor 8	3.23	3.91	0.02
A_52_P354823	NM_008320	Irf8	15900	collagen, type XIII, alpha 1	4.28	3.91	0.00
A_51_P240374	NM_007731	Col13a1	12817	3-phosphoglycerate dehydrogenase	6.32	3.91	0.00
A_51_P408732	NM_016966	Phgdh	236539	ring finger protein, LIM domain interacting	7.01	3.90	0.00
A_52_P104761	NM_011276	Rlim	19820	transmembrane protein 71	4.31	3.90	0.00
A_52_P553885	NM_172514	Tmem71	213068	alkaline ceramidase 2	6.11	3.90	0.00
A_52_P686095	AK046888	Acer2	230379	tissue inhibitor of metalloproteinase 1	4.15	3.89	0.00
A_52_P87713	NM_001044	Timp1	21857	cytidine 5'-triphosphate synthase	6.40	3.89	0.00
A_51_P251357	NM_016748	Ctps	51797	chemokine (C-C motif) ligand 4	5.89	3.87	0.00
A_51_P509573	NM_013652	Ccl4	20303	TNFAIP3 interacting protein 2	5.28	3.87	0.00
A_51_P501278	NM_139064	Tnip2	231130	SCY1-like 2 (<i>S. cerevisiae</i>)	5.37	3.86	0.00
A_52_P605704	NM_198021	Scyl2	213326	sorting nexin 20	5.33	3.86	0.00
A_51_P309158	NM_027840	Snx20	71607	gap junction protein, alpha 4	5.68	3.84	0.00
A_52_P117352	NM_008120	Gja4	14612	a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4	4.23	3.84	0.00
A_51_P234944	NM_172845	Adamts4	240913	outer dense fiber of sperm tails 2	4.39	3.84	0.00
A_51_P266987	NM_013615	Odf2	18286	stromal cell-derived factor 2-like 1	4.55	3.84	0.00
A_51_P280446	NM_022324	Sdf2l1	64136		4.65	3.83	0.00

A_51_P267969	NM_011259	Reg3a	19694	regenerating islet-derived 3 alpha	5.13	3.82	0.00
A_52_P549405	NM_001039	Asxl1	228790	additional sex combs like 1 (Drosophila)	4.15	3.82	0.00
A_51_P439803	NM_009609	Actg1	11465	actin, gamma, cytoplasmic 1	3.36	3.82	0.01
A_51_P228232	NM_008028	Flot2	14252	flotillin 2	6.65	3.81	0.00
A_51_P305950	NM_013501	Cryaa	12954	crystallin, alpha A	3.43	3.81	0.01
A_52_P535484	NM_029000	Gvin1	74558	GTPase, very large interferon inducible 1	2.91	3.81	0.04
A_51_P408343	NM_008329	Ifi204	15951	interferon activated gene 204	6.36	3.81	0.00
A_51_P168203	NM_025446	Aig1	66253	androgen-induced 1	6.08	3.80	0.00
A_51_P230624	AK171109	2010109K1	72123	RIKEN cDNA 2010109K11 gene	4.10	3.80	0.00
A_52_P89683	XR_002509	NA	NA	NA	5.75	3.80	0.00
A_51_P292057	NM_030732	Tbl1xr1	81004	transducin (beta)-like 1X-linked receptor 1	6.80	3.79	0.00
A_51_P440092	NM_175240	Fam187b	76415	family with sequence similarity 187, member B	5.25	3.79	0.00
A_52_P522166	BU509931	2810026P1	72655	RIKEN cDNA 2810026P18 gene	5.68	3.79	0.00
				a disintegrin-like and metallopeptidase (reprolysin type)			
A_52_P49321	AK078802	Adamts9	101401	with thrombospondin type 1 motif, 9	6.24	3.79	0.00
A_52_P310530	NM_053104	Rbm9	93686	RNA binding motif protein 9	5.33	3.78	0.00
A_52_P553890	AK135584	Itgb3	16416	integrin beta 3	6.66	3.78	0.00
A_51_P201338	NM_144800	Mtss1	211401	metastasis suppressor 1	3.98	3.77	0.00
A_51_P118637	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	3.31	3.77	0.01
A_52_P82765	NA	NA	NA	NA	7.55	3.77	0.00
A_51_P375680	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	7.73	3.77	0.00
A_51_P282983	NM_144808	Slc39a14	213053	solute carrier family 39 (zinc transporter), member 14	4.15	3.77	0.00
A_52_P681787	NM_007805	Cyb561	13056	cytochrome b-561	4.42	3.76	0.00
A_52_P497235	NM_026985	1810033B1	69189	RIKEN cDNA 1810033B17 gene	6.53	3.76	0.00
A_51_P496751	NM_018868	Nop58	55989	NOP58 ribonucleoprotein homolog (yeast)	5.95	3.76	0.00
A_51_P188141	NM_008522	Ltf	17002	lactotransferrin	5.18	3.75	0.00
A_52_P450236	NM_172713	Sdad1	231452	SDA1 domain containing 1	6.85	3.75	0.00
A_51_P476091	NA	NA	NA	NA	4.05	3.75	0.00
				cysteine-rich secretory protein LCCL domain containing			
A_51_P501730	NM_030209	Crispld2	78892	2	7.51	3.74	0.00
A_51_P198179	NM_023141	Tor3a	30935	torsin family 3, member A	4.94	3.74	0.00
A_51_P315754	NM_028315	Dis3	72662	DIS3 mitotic control homolog (S. cerevisiae)	7.22	3.74	0.00

A_51_P397367	NM_009196	Slc16a1	20501	solute carrier family 16 (monocarboxylic acid transporters), member 1	3.85	3.74	0.00
A_52_P516296	NM_145226	Oas3	246727	2'-5' oligoadenylate synthetase 3	5.88	3.73	0.00
A_52_P2540	NM_001013	Gm5662	435337	predicted gene 5662	4.83	3.72	0.00
A_51_P104933	NM_145520	Trub2	227682	TruB pseudouridine (psi) synthase homolog 2 (E. coli)	6.38	3.72	0.00
A_51_P391432	NM_145449	Ifi2712b	217845	interferon, alpha-inducible protein 27 like 2B	3.99	3.72	0.00
A_52_P76216	NM_001033	Fam59a	381126	family with sequence similarity 59, member A	5.12	3.72	0.00
A_51_P165060	NM_011396	Slc22a5	20520	solute carrier family 22 (organic cation transporter), member 5	3.31	3.72	0.01
A_52_P34979	BC055805	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	3.60	3.72	0.01
A_52_P144925	NM_027261	Taf1d	75316	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, D	7.39	3.72	0.00
A_52_P207173	AK040662	Serpine1	18787	serine (or cysteine) peptidase inhibitor, clade E, member 1	3.62	3.71	0.01
A_51_P172054	NM_019521	Gas6	14456	growth arrest specific 6	4.48	3.71	0.00
A_52_P320156	AK088706	E430024C03	319443	RIKEN cDNA E430024C06 gene	3.57	3.71	0.01
A_51_P277270	NM_011252	Rbmx	19655	RNA binding motif protein, X chromosome	3.73	3.71	0.01
A_52_P577386	NM_010531	Il18bp	16068	interleukin 18 binding protein	6.25	3.70	0.00
A_51_P493886	NM_173866	Gpt2	108682	glutamic pyruvate transaminase (alanine aminotransferase) 2	3.95	3.70	0.00
A_52_P318673	NM_009117	Saa1	20208	serum amyloid A 1	3.42	3.69	0.01
A_51_P462299	NM_181732	Aida	108909	axon interactor, dorsalization associated	4.09	3.69	0.00
A_52_P589023	NM_027123	Fastkd3	69577	FAST kinase domains 3	7.00	3.69	0.00
A_52_P585652	NM_173182	Fndc3b	72007	fibronectin type III domain containing 3B	4.34	3.69	0.00
A_52_P73134	NM_130796	Snx18	170625	sorting nexin 18	4.61	3.69	0.00
A_51_P428578	NM_025459	Fam134b	66270	family with sequence similarity 134, member B	5.36	3.69	0.00
A_52_P502267	NM_172663	Epc2	227867	enhancer of polycomb homolog 2 (Drosophila)	3.27	3.69	0.01
A_51_P114314	AK017419	5530400B01	71434	RIKEN cDNA 5530400B01 gene	3.75	3.68	0.00
A_52_P851862	AK080781	NA	NA	NA	3.00	3.68	0.03
A_52_P652094	NM_022028	Sav1	64010	salvador homolog 1 (Drosophila)	4.28	3.66	0.00
A_52_P137500	AK046255	Fam199x	245622	family with sequence similarity 199, X-linked	3.59	3.66	0.01
A_51_P219505	NM_177388	Slc41a2	338365	solute carrier family 41, member 2	3.77	3.66	0.00
A_52_P924359	NA	NA	NA	NA	6.77	3.66	0.00

A_52_P624107	BC094938	Gm5039	266459	eukaryotic translation initiation factor 1A pseudogene	5.54	3.66	0.00
A_52_P292693	NM_016690	Hnrpdl	50926	heterogeneous nuclear ribonucleoprotein D-like	4.35	3.65	0.00
A_51_P516861	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	3.19	3.65	0.02
A_51_P458262	NM_011888	Ccl19	24047	chemokine (C-C motif) ligand 19	4.11	3.65	0.00
A_52_P288873	NM_029362	Chmp4b	75608	chromatin modifying protein 4B	6.06	3.64	0.00
A_51_P265999	NM_146238	Gemin8	237221	gem (nuclear organelle) associated protein 8	6.12	3.64	0.00
A_51_P508838	NM_021342	Kcne4	57814	potassium voltage-gated channel, Isk-related subfamily, gene 4	3.76	3.63	0.00
A_51_P164998	NM_025285	Stmn2	20257	stathmin-like 2	5.11	3.63	0.00
A_52_P653054	NA	NA	NA	NA	2.86	3.63	0.05
A_51_P464064	NM_026083	Zc3h13	67302	zinc finger CCCH type containing 13	5.96	3.63	0.00
A_51_P311038	NM_001024	Adamts15	235130	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 15	3.46	3.62	0.01
A_52_P302108	NM_153398	Zbtb24	268294	zinc finger and BTB domain containing 24	5.22	3.62	0.00
A_51_P325165	NM_145636	Il27	246779	interleukin 27	5.07	3.62	0.00
A_51_P493467	NM_145588	Kif22	110033	kinesin family member 22	3.88	3.62	0.00
A_52_P563475	NM_026160	Map1lc3b	67443	microtubule-associated protein 1 light chain 3 beta	7.88	3.62	0.00
A_52_P665675	NM_013454	Abca1	11303	ATP-binding cassette, sub-family A (ABC1), member 1	6.49	3.62	0.00
A_52_P494354	NM_027418	Mapk6	50772	mitogen-activated protein kinase 6	4.28	3.61	0.00
A_52_P247086	AK154692	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2	2.90	3.61	0.04
A_52_P218440	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	6.93	3.61	0.00
A_52_P23308	NM_027482	5730508B0	70617	RIKEN cDNA 5730508B09 gene	2.90	3.61	0.04
A_51_P453351	NM_172266	Lpgat1	226856	lysophosphatidylglycerol acyltransferase 1 signaling lymphocytic activation molecule family member 1	8.33	3.60	0.00
A_52_P550173	NM_013730	Slamf1	27218	oxidative stress induced growth inhibitor family member 1	3.33	3.60	0.01
A_52_P417825	NM_145950	Osgin2	209212	oxidative stress induced growth inhibitor family member 2	3.89	3.60	0.00
A_52_P357177	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	5.18	3.59	0.00
A_51_P385258	AF197127	Miox	56727	myo-inositol oxygenase	5.57	3.59	0.00

A_51_P384673	NM_133807	Lrrc59	98238	leucine rich repeat containing 59	5.28	3.59	0.00
A_52_P225898	NM_008428	Kcnj8	16523	potassium inwardly-rectifying channel, subfamily J, member 8	7.90	3.59	0.00
A_51_P447835	NM_013737	Pla2g7	27226	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	3.80	3.58	0.00
A_52_P208763	NM_013654	Ccl7	20306	chemokine (C-C motif) ligand 7	2.94	3.58	0.04
A_52_P520495	NM_011693	Vcam1	22329	vascular cell adhesion molecule 1	5.01	3.58	0.00
A_52_P382914	NM_011639	Trip6	22051	thyroid hormone receptor interactor 6	5.92	3.58	0.00
A_52_P355139	NM_001034	Fam134b	66270	family with sequence similarity 134, member B	5.23	3.57	0.00
A_51_P240501	NM_026358	4930583H167749		RIKEN cDNA 4930583H14 gene	2.79	3.57	0.05
A_51_P118237	NM_011361	Sgk1	20393	serum/glucocorticoid regulated kinase 1	2.86	3.57	0.05
A_52_P326187	XM_136331	Gm4955	240921	predicted gene 4955	2.74	3.57	0.06
A_52_P170486	NM_028259	Rps6kb1	72508	ribosomal protein S6 kinase, polypeptide 1	5.34	3.56	0.00
A_51_P126835	NM_001025	2700007P2121772		RIKEN cDNA 2700007P21 gene	6.62	3.56	0.00
A_52_P427064	NM_145520	Trub2	227682	TruB pseudouridine (psi) synthase homolog 2 (E. coli)	7.24	3.56	0.00
A_51_P189151	AK028396	Kbtbd2	210973	kelch repeat and BTB (POZ) domain containing 2	3.48	3.56	0.01
A_51_P335480	NM_028077	1810055G02056		RIKEN cDNA 1810055G02 gene	5.99	3.56	0.00
A_51_P277884	NM_010120	Eif1a	13664	eukaryotic translation initiation factor 1A	9.54	3.56	0.00
A_52_P219943	BC055805	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	3.17	3.55	0.02
A_52_P487686	NM_001001	BC117090	1E+08	cDNA sequence BC117090	3.74	3.55	0.01
A_52_P348287	NM_198104	Tcte3	21647	t-complex-associated testis expressed 3	5.09	3.54	0.00
A_52_P1026777	NM_001033	Ecscr	68545	endothelial cell-specific chemotaxis regulator	6.59	3.54	0.00
A_52_P373893	AK154578	Acvr1b	11479	activin A receptor, type 1B	5.42	3.53	0.00
A_52_P577384	NM_010531	Il18bp	16068	interleukin 18 binding protein	6.09	3.53	0.00
A_52_P380369	NM_199015	D14Ertd66	219132	DNA segment, Chr 14, ERATO Doi 668, expressed	4.92	3.53	0.00
A_52_P669155	AK170324	Itgam	16409	integrin alpha M	5.61	3.53	0.00
A_51_P115575	D13759	Map3k8	26410	mitogen-activated protein kinase kinase kinase 8	4.85	3.52	0.00
A_52_P20765	NM_134164	Syt12	171180	synaptotagmin XII	7.43	3.52	0.00
A_51_P166886	NM_011314	Saa2	20209	serum amyloid A 2	3.28	3.52	0.01
A_52_P72237	NM_009609	Actg1	11465	actin, gamma, cytoplasmic 1	3.13	3.52	0.02
A_51_P504991	NM_181542	Slfn10	237887	schlafen 10	5.16	3.52	0.00
A_51_P515623	NM_026111	Qpctl	67369	glutaminy-peptide cyclotransferase-like	4.21	3.52	0.00
A_52_P442567	NM_009099	Trim30	20128	tripartite motif-containing 30	3.36	3.52	0.01

A_52_P564908	AK013903	NA	NA	NA	5.06	3.51	0.00
A_52_P657123	NA	NA	NA	NA	7.27	3.51	0.00
A_51_P267239	NM_019980	Litaf	56722	LPS-induced TN factor	5.27	3.51	0.00
A_52_P527375	AK154817	3110043O2	73205	RIKEN cDNA 3110043O21 gene	4.80	3.51	0.00
A_51_P173043	NM_010118	Egr2	13654	early growth response 2	5.38	3.50	0.00
A_52_P64514	AK007221	Herc5	67138	hect domain and RLD 5	3.90	3.50	0.00
A_52_P111031	NM_001013	Pcdh17	219228	protocadherin 17	6.24	3.50	0.00
A_51_P435830	NM_029212	Ccdc33	382077	coiled-coil domain containing 33	7.08	3.50	0.00
A_52_P344978	XR_003344	NA	NA	NA	4.84	3.50	0.00
A_52_P623337	NM_010880	Ncl	17975	nucleolin	3.68	3.49	0.01
A_52_P564663	NA	NA	NA	NA	3.06	3.49	0.02
A_52_P35174	NM_011710	Wars	22375	tryptophanyl-tRNA synthetase	4.44	3.47	0.00
A_51_P239203	NM_011950	Mapk13	26415	mitogen-activated protein kinase 13	4.60	3.46	0.00
A_52_P108346	NM_010849	Myc	17869	myelocytomatosis oncogene	4.95	3.46	0.00
A_52_P15073	NM_177101	4833442J1	320204	RIKEN cDNA 4833442J19 gene	5.21	3.46	0.00
A_51_P416295	NM_019440	Irgm2	54396	immunity-related GTPase family M member 2	2.85	3.46	0.05
A_52_P663686	AK077243	I830012O1	667370	RIKEN cDNA I830012O16 gene	3.18	3.46	0.02
A_51_P488890	NM_013632	Pnp1	18950	purine-nucleoside phosphorylase 1	3.35	3.46	0.01
A_52_P359819	NM_198190	Ntf5	78405	neurotrophin 5	4.60	3.46	0.00
A_52_P683306	NM_146084	Fam13b	225358	family with sequence similarity 13, member B	5.37	3.45	0.00
A_52_P214630	NM_011448	Sox9	20682	SRY-box containing gene 9	4.34	3.45	0.00
A_51_P231597	NM_172987	Nkain3	269513	Na ⁺ /K ⁺ transporting ATPase interacting 3	7.01	3.44	0.00
A_52_P626796	XM_0010067	NA	NA	NA	9.20	3.44	0.00
A_51_P164667	NM_008211	H3f3b	15081	H3 histone, family 3B	3.64	3.44	0.01
				TATA box binding protein (Tbp)-associated factor, RNA			
A_51_P306608	NM_029248	Taf1d	75316	polymerase I, D	5.28	3.44	0.00
A_51_P482425	NM_152815	Lins2	72635	lines homolog 2 (Drosophila)	5.58	3.44	0.00
				synaptotagmin binding, cytoplasmic RNA interacting			
A_51_P384469	NM_019666	Syncrip	56403	protein	5.97	3.44	0.00
A_51_P141315	XM_902782	NA	NA	NA	5.47	3.43	0.00
A_51_P193000	NM_175325	Bbs4	102774	Bardet-Biedl syndrome 4 (human)	3.84	3.43	0.00
A_51_P132185	NM_001001	BC117090	1E+08	cDNA sequence BC117090	6.20	3.43	0.00
A_52_P653406	NA	NA	NA	NA	3.45	3.43	0.01
A_51_P263965	NM_010442	Hmox1	15368	heme oxygenase (decycling) 1	5.52	3.40	0.00

A_51_P413088	NA	NA	NA	NA	3.34	3.40	0.01
A_52_P83479	NM_008329	Ifi204	15951	interferon activated gene 204	4.16	3.40	0.00
A_52_P488361	NM_028839	Tmem110	69179	transmembrane protein 110	5.79	3.39	0.00
A_51_P411297	NM_016714	Nup50	18141	nucleoporin 50	6.30	3.38	0.00
A_52_P213889	NM_172476	Tmc7	209760	transmembrane channel-like gene family 7	3.44	3.38	0.01
A_51_P480209	NM_007889	Dvl3	13544	dishevelled 3, dsh homolog (Drosophila)	6.70	3.38	0.00
A_52_P515336	AK045877	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1 engulfment and cell motility 3, ced-12 homolog (C.	4.08	3.38	0.00
A_51_P475948	AK048129	Elmo3	234683	elegans)	4.50	3.38	0.00
A_51_P485828	NM_007880	Arid3a	13496	AT rich interactive domain 3A (BRIGHT-like)	5.39	3.38	0.00
A_52_P186033	NM_009259	Spn	20737	sialophorin	6.96	3.38	0.00
A_51_P193011	NM_001025:	NA	NA	NA	8.35	3.37	0.00
A_52_P319552	XM_161350	1700024P1	242594	RIKEN cDNA 1700024P16 gene	6.54	3.37	0.00
A_51_P462192	NM_138648	Olr1	108078	oxidized low density lipoprotein (lectin-like) receptor 1	7.39	3.37	0.00
A_51_P284793	NM_027927	Ints12	71793	integrator complex subunit 12	4.75	3.37	0.00
A_51_P295192	NM_010907	Nfkbia	18035	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	3.90	3.36	0.00
A_51_P110173	NM_025454	Ing5	66262	inhibitor of growth family, member 5	2.94	3.36	0.04
A_52_P384049	NM_029512	Ttpal	76080	tocopherol (alpha) transfer protein-like	4.76	3.36	0.00
A_51_P268983	XM_144099	Myom3	242702	myomesin family, member 3	3.41	3.36	0.01
A_51_P370720	NM_024290	Tnfrsf23	79201	tumor necrosis factor receptor superfamily, member 23	5.71	3.36	0.00
A_52_P679860	AK147960	Herc5	67138	hect domain and RLD 5	3.82	3.35	0.00
A_52_P270035	NM_029836	Tspyl2	52808	TSPY-like 2	6.09	3.35	0.00
A_51_P339943	NM_010917	Nid1	18073	nidogen 1	6.38	3.34	0.00
A_51_P128526	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	3.11	3.34	0.02
A_52_P646663	NA	NA	NA	NA	5.22	3.34	0.00
A_52_P176245	NM_010258	Gata6	14465	GATA binding protein 6	5.95	3.33	0.00
A_52_P507214	NM_013599	Mmp9	17395	matrix metalloproteinase 9	6.76	3.33	0.00
A_51_P104418	NM_022019	Dusp10	63953	dual specificity phosphatase 10	3.86	3.33	0.00
A_51_P468742	NM_025697	6330409NC	66674	RIKEN cDNA 6330409N04 gene	5.75	3.33	0.00
A_51_P409694	NM_019976	Psrc1	56742	proline/serine-rich coiled-coil 1	4.30	3.33	0.00
A_52_P516097	NM_175529	Leng9	243813	leukocyte receptor cluster (LRC) member 9	5.47	3.33	0.00

A_51_P440238	NM_027819	Ggt6	71522	gamma-glutamyltransferase 6	5.32	3.32	0.00
A_51_P172573	NM_013671	Sod2	20656	superoxide dismutase 2, mitochondrial	9.22	3.32	0.00
A_52_P407239	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	3.53	3.32	0.01
A_51_P281593	AK144593	Ppapdc1b	71910	phosphatidic acid phosphatase type 2 domain containing 1B	3.22	3.31	0.02
A_51_P490247	NM_022004	Fxyd6	59095	FXD domain-containing ion transport regulator 6	3.77	3.31	0.00
A_52_P384621	NM_177725	Lrrc8a	241296	leucine rich repeat containing 8A	3.35	3.31	0.01
A_52_P499499	NM_029021	4833422F2	74614	RIKEN cDNA 4833422F24 gene	3.38	3.31	0.01
A_51_P358765	NM_009263	Spp1	20750	secreted phosphoprotein 1	5.38	3.31	0.00
A_52_P425092	NA	NA	NA	NA	6.70	3.30	0.00
A_51_P331279	NM_023142	Arpc1b	11867	actin related protein 2/3 complex, subunit 1B	12.22	3.30	0.00
A_52_P279658	NM_009817	Cast	12380	calpastatin	3.81	3.29	0.00
A_51_P201480	NM_213659	Stat3	20848	signal transducer and activator of transcription 3	4.47	3.29	0.00
A_52_P618852	AK139584	Eif1a	13664	eukaryotic translation initiation factor 1A	6.17	3.29	0.00
A_52_P188589	NM_001007	Gm447	242997	predicted gene 447	4.04	3.29	0.00
A_52_P578562	NM_173865	Slc41a1	98396	solute carrier family 41, member 1	4.42	3.28	0.00
A_51_P208603	NM_010050	Dio2	13371	deiodinase, iodothyronine, type II	4.18	3.28	0.00
A_51_P306731	NM_172715	Agpat9	231510	1-acylglycerol-3-phosphate O-acyltransferase 9	4.19	3.28	0.00
A_51_P396752	NM_024191	Arl2bp	107566	ADP-ribosylation factor-like 2 binding protein	4.10	3.28	0.00
A_51_P444290	NM_029084	Slamf8	74748	SLAM family member 8	3.21	3.27	0.02
A_51_P116298	AK006122	Slc17a9	228993	solute carrier family 17, member 9	2.72	3.27	0.07
A_52_P473813	NA	NA	NA	NA	3.93	3.27	0.00
A_51_P152845	NM_145076	Trim24	21848	tripartite motif-containing 24	6.15	3.26	0.00
A_51_P186531	NM_025289	Tbfg1	21376	transforming growth factor beta regulated gene 1	4.49	3.26	0.00
A_52_P213932	NM_009621	Adamts1	11504	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1	5.79	3.26	0.00
A_51_P279437	NM_029662	Mfsd2a	76574	major facilitator superfamily domain containing 2A	2.74	3.25	0.07
A_51_P211600	AK028475	11-Sep	52398	septin 11	4.14	3.25	0.00
A_52_P668478	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	4.31	3.25	0.00
A_52_P451888	NM_011903	Tlk2	24086	tousled-like kinase 2 (Arabidopsis)	3.26	3.24	0.01
A_51_P415247	NA	NA	NA	NA	4.93	3.24	0.00

A_51_P436796	NM_016784	Plrg1	53317	pleiotropic regulator 1, PRL1 homolog (Arabidopsis)	5.38	3.23	0.00
A_51_P490296	NM_177472	Btbd12	52864	BTB (POZ) domain containing 12	6.43	3.23	0.00
A_52_P154710	AK170547	Sesn2	230784	sestrin 2	5.25	3.23	0.00
A_51_P367434	NM_028876	Tmed5	73130	transmembrane emp24 protein transport domain containing 5	4.64	3.23	0.00
A_52_P218058	NM_001038	Clec5a	23845	C-type lectin domain family 5, member a	6.66	3.23	0.00
A_51_P337935	AK008024	Slc7a15	328059	solute carrier family 7 (cationic amino acid transporter, y+ system), member 15	6.90	3.23	0.00
A_51_P297679	NM_008225	Hcls1	15163	hematopoietic cell specific Lyn substrate 1	6.55	3.23	0.00
A_52_P112110	NM_145987	Tmem82	213989	transmembrane protein 82	6.21	3.22	0.00
A_51_P219483	NM_001024	Tsku	244152	tsukushin	4.70	3.21	0.00
A_52_P826021	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	4.41	3.21	0.00
A_52_P77332	NM_022655	Ireb2	64602	iron responsive element binding protein 2	4.02	3.21	0.00
A_52_P604629	NM_153287	Csrnp1	215418	cysteine-serine-rich nuclear protein 1	3.99	3.21	0.00
A_51_P469449	NM_001040	Ung	22256	uracil DNA glycosylase	5.60	3.20	0.00
A_52_P217211	NM_018820	Sertad1	55942	SERTA domain containing 1	5.46	3.20	0.00
A_52_P643851	NR_001277	Snord33	27208	small nucleolar RNA, C/D box 33	4.81	3.20	0.00
A_52_P317730	NA	NA	NA	NA	4.68	3.20	0.00
A_52_P199019	NM_001013	Trim6	94088	tripartite motif-containing 6	4.64	3.19	0.00
A_51_P451966	XM_890177	NA	NA	NA	4.37	3.19	0.00
A_51_P262699	NA	NA	NA	NA	7.83	3.19	0.00
A_51_P417701	NM_001042	Apaf1	11783	apoptotic peptidase activating factor 1	4.78	3.19	0.00
A_52_P395083	AK156874	NA	NA	NA	4.34	3.19	0.00
A_52_P306327	AK050118	Igf1	16000	insulin-like growth factor 1	2.87	3.18	0.04
A_52_P101142	NM_018880	Trim3	55992	tripartite motif-containing 3	5.61	3.18	0.00
A_52_P525307	BC031426	NA	NA	NA	3.87	3.18	0.00
A_51_P103819	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	4.34	3.17	0.00
A_51_P383140	NM_009289	Slk	20874	STE20-like kinase (yeast)	4.48	3.17	0.00
A_51_P275454	NM_009099	Trim30	20128	tripartite motif-containing 30	3.80	3.17	0.00
A_52_P940978	W15861	NA	NA	NA	6.18	3.17	0.00
A_51_P309307	NA	NA	NA	NA	2.99	3.16	0.03
A_51_P266683	NM_010107	Efna1	13636	ephrin A1	3.87	3.16	0.00

A_51_P139651	NM_008713	Nos3	18127	nitric oxide synthase 3, endothelial cell	3.66	3.16	0.01
A_52_P284203	XR_004371	NA	NA	NA	5.02	3.15	0.00
A_52_P232813	NM_203320	Cxcl3	330122	chemokine (C-X-C motif) ligand 3	3.59	3.15	0.01
A_52_P609153	NM_144905	6330416G1230279		RIKEN cDNA 6330416G13 gene	5.22	3.15	0.00
A_51_P479818	NM_028894	Lonrf3	74365	LON peptidase N-terminal domain and ring finger 3	3.26	3.15	0.01
A_52_P601727	AK052688	Cfh	12628	complement component factor h	4.00	3.15	0.00
A_51_P169850	NM_019786	Tbk1	56480	TANK-binding kinase 1	3.85	3.15	0.00
A_51_P418168	NM_029103	Manf	74840	mesencephalic astrocyte-derived neurotrophic factor	4.00	3.14	0.00
A_51_P490397	NM_133692	Pold3	67967	polymerase (DNA-directed), delta 3, accessory subunit glycerophosphocholine phosphodiesterase GDE1	5.06	3.14	0.00
A_51_P464791	NM_001042	Gpcpd1	74182	homolog (S. cerevisiae)	2.94	3.13	0.04
A_52_P1115511	AK031392	6030422H2402765		RIKEN cDNA 6030422H21 gene	3.77	3.13	0.00
A_52_P513177	NM_001029	Sla	20491	src-like adaptor	5.17	3.13	0.00
A_51_P131335	NM_153568	Lrrc66	231296	leucine rich repeat containing 66	9.21	3.13	0.00
A_52_P532029	NM_019786	Tbk1	56480	TANK-binding kinase 1	4.02	3.13	0.00
A_51_P515348	NM_133757	Pgs1	74451	phosphatidylglycerophosphate synthase 1	5.26	3.12	0.00
A_52_P634250	NM_010706	Lgals4	16855	lectin, galactose binding, soluble 4	3.25	3.12	0.01
A_52_P135572	BC043710	Dopey1	320615	dopey family member 1	4.18	3.12	0.00
A_51_P138598	NM_028839	Tmem110	69179	transmembrane protein 110	6.74	3.12	0.00
A_51_P302503	NM_008654	Ppp1r15a	17872	protein phosphatase 1, regulatory (inhibitor) subunit 15A TATA box binding protein (Tbp)-associated factor, RNA	2.93	3.11	0.04
A_52_P470916	AK161656	Taf1d	75316	polymerase I, D	5.10	3.11	0.00
A_51_P304500	NM_001025	Tapbp	21356	TAP binding protein	5.16	3.11	0.00
A_52_P646602	NM_027815	9030624J071517		RIKEN cDNA 9030624J02 gene	5.45	3.11	0.00
A_51_P511102	NM_030249	Cttnbp2nl	80281	CTTNBP2 N-terminal like	5.65	3.11	0.00
A_51_P266928	NM_172514	Tmem71	213068	transmembrane protein 71	5.92	3.11	0.00
A_52_P650387	NM_001045	Ccnj1	380694	cyclin J-like	4.50	3.10	0.00
A_51_P483180	AK170966	Snx7	76561	sorting nexin 7	5.63	3.10	0.00
A_51_P293781	NM_016863	Fkbp1b	14226	FK506 binding protein 1b	3.19	3.10	0.02
A_51_P187253	NM_008320	Irf8	15900	interferon regulatory factor 8	3.61	3.10	0.01

A_52_P236072	NM_008636	Mtf1	17764	metal response element binding transcription factor 1	4.41	3.10	0.00
A_52_P325797	NA	NA	NA	NA	6.27	3.09	0.00
A_52_P665436	NM_024181	Dnajc10	66861	Dnaj (Hsp40) homolog, subfamily C, member 10	3.67	3.09	0.01
A_51_P187579	M17518	NA	NA	NA	6.50	3.09	0.00
A_51_P449171	NM_007464	Birc3	11796	baculoviral IAP repeat-containing 3	4.59	3.09	0.00
A_52_P587738	NM_008773	P2ry2	18442	purinergic receptor P2Y, G-protein coupled 2	4.61	3.09	0.00
A_52_P617386	AK145781	4632427E1	666737	RIKEN cDNA 4632427E13 gene	3.60	3.08	0.01
A_51_P281089	NM_011313	S100a6	20200	S100 calcium binding protein A6 (calcyclin)	4.56	3.08	0.00
A_52_P641597	NM_145931	Zc3h7a	106205	zinc finger CCCH type containing 7 A	4.15	3.08	0.00
A_51_P200277	NM_023475	Serhl	68607	serine hydrolase-like	7.72	3.08	0.00
A_52_P365434	BC051182	D5Erttd579	320661	DNA segment, Chr 5, ERATO Doi 579, expressed	6.02	3.08	0.00
A_51_P376445	NM_008818	Rhox5	18617	reproductive homeobox 5	4.70	3.07	0.00
A_51_P396854	NM_019502	Fxc1	14356	fractured callus expressed transcript 1	4.05	3.07	0.00
A_52_P242888	BC071265	Ddx50	94213	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	4.81	3.07	0.00
A_52_P392674	NM_019736	Acot9	56360	acyl-CoA thioesterase 9	4.98	3.07	0.00
A_52_P509710	NM_025635	Zwint	52696	ZW10 interactor	4.60	3.07	0.00
A_52_P465454	AK162362	D10Erttd64	52717	DNA segment, Chr 10, ERATO Doi 641, expressed	9.73	3.07	0.00
A_52_P231041	NM_178119	Agap1	347722	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	3.40	3.07	0.01
A_51_P484289	NM_178798	Slc7a6	330836	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	8.53	3.06	0.00
A_52_P184149	NM_008638	Mthfd2	17768	methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase	6.91	3.06	0.00
A_51_P340200	NM_011816	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	3.96	3.06	0.00
A_51_P378903	NM_146981	Olfr1260	258983	olfactory receptor 1260	3.83	3.06	0.00
A_52_P666646	NM_178682	4933426M	217684	RIKEN cDNA 4933426M11 gene	5.04	3.06	0.00
A_52_P636830	NM_011816	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	4.48	3.06	0.00
A_52_P114282	NM_001009	Armcx5	494468	armadillo repeat containing, X-linked 5	4.63	3.06	0.00
A_51_P448325	NM_027102	Esam	69524	endothelial cell-specific adhesion molecule	6.25	3.05	0.00
A_52_P531140	NM_010416	Hemt1	15202	hematopoietic cell transcript 1	3.15	3.05	0.02

A_52_P1193423	XM_148801	Prr22	224908	proline rich 22	5.04	3.05	0.00
A_52_P77983	NM_009551	Zfand5	22682	zinc finger, AN1-type domain 5	2.82	3.05	0.05
A_51_P318410	AK029097	AI848100	226551	expressed sequence AI848100	3.93	3.05	0.00
A_51_P259214	NM_139143	Slc39a6	106957	solute carrier family 39 (metal ion transporter), member 6	6.44	3.05	0.00
A_52_P308875	AK049998	Apobec3	80287	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 3	4.24	3.04	0.00
A_51_P395098	NM_022310	Hspa5	14828	heat shock protein 5	5.48	3.04	0.00
A_51_P320377	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	7.67	3.04	0.00
A_52_P656659	NM_011396	Slc22a5	20520	solute carrier family 22 (organic cation transporter), member 5	4.24	3.04	0.00
A_52_P31814	CB575847	1110038B1	68763	RIKEN cDNA 1110038B12 gene	6.73	3.03	0.00
A_52_P543016	NM_021415	Cacna1h	58226	calcium channel, voltage-dependent, T type, alpha 1H subunit	5.94	3.03	0.00
A_51_P411296	NM_016714	Nup50	18141	nucleoporin 50	4.97	3.03	0.00
A_52_P174525	BC043337	Epb4.1	269587	erythrocyte protein band 4.1	5.71	3.02	0.00
A_51_P472901	NM_008577	Slc3a2	17254	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	6.68	3.02	0.00
A_51_P129787	NM_025793	Wdr45l	66840	Wdr45 like	6.35	3.02	0.00
A_51_P436878	NM_018820	Sertad1	55942	SERTA domain containing 1	5.40	3.02	0.00
A_52_P175852	NA	NA	NA	NA	5.05	3.02	0.00
A_52_P156158	NM_024478	Grpel1	17713	GrpE-like 1, mitochondrial	2.81	3.01	0.05
A_51_P161612	NM_009831	Ccng1	12450	cyclin G1	4.97	3.01	0.00
A_51_P179565	AK002502	2010204K1	68355	RIKEN cDNA 2010204K13 gene	3.48	3.01	0.01
A_51_P454726	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	7.14	3.01	0.00
A_51_P254471	NM_007465	Birc2	11797	baculoviral IAP repeat-containing 2	4.63	3.01	0.00
A_51_P354804	NM_080643	Caskin2	140721	CASK-interacting protein 2	6.80	3.00	0.00
A_51_P229403	NM_027339	2210415F1	70163	RIKEN cDNA 2210415F13 gene	2.81	3.00	0.05
A_52_P454765	NM_172286	6430548M1	234797	RIKEN cDNA 6430548M08 gene	5.07	3.00	0.00
A_52_P481493	NM_010220	Fkbp5	14229	FK506 binding protein 5	4.47	3.00	0.00
A_51_P333253	NM_178440	Myo1g	246177	myosin IG	6.28	3.00	0.00
A_52_P93933	NM_008562	Mcl1	17210	myeloid cell leukemia sequence 1	3.99	3.00	0.00
A_52_P134639	NM_009444	Tgoln2	22135	trans-golgi network protein 2	5.17	3.00	0.00

A_51_P241705	NM_011201	Ptpn1	19246	protein tyrosine phosphatase, non-receptor type 1	7.48	3.00	0.00
A_51_P277263	AK083899	Rbmx	19655	RNA binding motif protein, X chromosome	4.72	2.99	0.00
A_52_P398989	NM_139200	Cytip	227929	cytohesin 1 interacting protein	2.98	2.99	0.03
A_52_P100293	AK005549	493052611	75135	RIKEN cDNA 4930526115 gene	5.68	2.99	0.00
A_51_P251256	NM_009195	Slc12a4	20498	solute carrier family 12, member 4	6.03	2.99	0.00
A_52_P35057	XM_900689	NA	NA	NA	5.52	2.98	0.00
A_51_P451374	NM_153405	Rbm45	241490	RNA binding motif protein 45	3.42	2.98	0.01
A_51_P222936	AK080318	Fmn12	71409	formin-like 2	6.23	2.98	0.00
A_51_P297858	NM_172840	Vwa2	240675	von Willebrand factor A domain containing 2	6.01	2.98	0.00
A_51_P268673	AK008737	2210016H1	70125	RIKEN cDNA 2210016H18 gene	3.53	2.98	0.01
A_52_P50216	NM_146043	Spin1	20729	spindlin 1	7.15	2.98	0.00
A_52_P739394	AK040901	A530041M	399576	RIKEN cDNA A530041M06 gene	4.35	2.98	0.00
A_51_P456753	NM_009747	Bdkrb2	12062	bradykinin receptor, beta 2	5.36	2.98	0.00
				leukocyte immunoglobulin-like receptor, subfamily B			
A_51_P445728	NM_011095	Lilrb3	18733	(with TM and ITIM domains), member 3	5.36	2.98	0.00
A_51_P151516	AK045519	B230208H1	1320273	RIKEN cDNA B230208H11 gene	3.96	2.98	0.00
A_51_P343350	NM_033603	Amn	93835	amionless	7.77	2.97	0.00
A_52_P443705	NM_026531	Aen	68048	apoptosis enhancing nuclease	6.78	2.97	0.00
A_51_P374651	BC065123	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	4.57	2.97	0.00
A_52_P312904	AK161527	Pcbp2	18521	poly(rC) binding protein 2	4.18	2.97	0.00
A_52_P353905	NA	NA	NA	NA	6.82	2.97	0.00
A_52_P158800	NM_010207	Fgfr2	14183	fibroblast growth factor receptor 2	3.53	2.97	0.01
A_51_P359636	NM_011150	Lgals3bp	19039	lectin, galactoside-binding, soluble, 3 binding protein	8.09	2.97	0.00
A_52_P330314	AK033097	Lmo4	16911	LIM domain only 4	3.08	2.96	0.02
A_51_P334785	NM_175026	Pyhin1	236312	pyrin and HIN domain family, member 1	3.73	2.96	0.01
A_51_P262701	NM_019775	Cpb2	56373	carboxypeptidase B2 (plasma)	8.41	2.95	0.00
A_51_P268843	NM_028544	Rasip1	69903	Ras interacting protein 1	9.87	2.95	0.00
A_51_P330133	NM_025682	Pspc1	66645	paraspeckle protein 1	4.10	2.95	0.00
A_52_P149864	NM_016957	Hmgn2	15331	high mobility group nucleosomal binding domain 2	3.32	2.94	0.01
A_51_P114616	NM_016767	Batf	53314	basic leucine zipper transcription factor, ATF-like	6.02	2.94	0.00

A_51_P137018	XM_0010025	NA	NA	NA	7.13	2.94	0.00
A_51_P501858	NM_148927	Plekha4	69217	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	4.22	2.94	0.00
A_52_P607230	NM_010740	Cd93	17064	CD93 antigen	8.56	2.94	0.00
A_51_P177744	NM_028864	Zc3hav1	78781	zinc finger CCCH type, antiviral 1	2.79	2.94	0.05
A_51_P191893	AK163489	2410022M	69755	RIKEN cDNA 2410022M11 gene	4.60	2.94	0.00
A_51_P413348	NM_009510	Ezr	22350	ezrin	4.66	2.93	0.00
A_52_P214804	NM_016784	Plrg1	53317	pleiotropic regulator 1, PRL1 homolog (Arabidopsis)	6.52	2.93	0.00
A_51_P166762	NM_011192	Psme3	19192	proteasome (prosome, macropain) 28 subunit, 3	7.19	2.93	0.00
A_52_P129354	NM_175325	Bbs4	102774	Bardet-Biedl syndrome 4 (human)	3.41	2.93	0.01
A_51_P293753	NM_025611	Cul7	66515	cullin 7	2.98	2.93	0.03
A_52_P139727	NM_009716	Atf4	11911	activating transcription factor 4	4.00	2.93	0.00
A_52_P947847	AK041062	Gm4951	240327	predicted gene 4951	3.33	2.92	0.01
A_51_P375201	NM_013807	Plk3	12795	polo-like kinase 3 (Drosophila)	3.46	2.92	0.01
A_52_P109304	NM_013763	Tbl2	27368	transducin (beta)-like 2	8.86	2.92	0.00
A_52_P394767	NM_173761	Ythdf1	228994	YTH domain family 1	3.34	2.92	0.01
A_51_P487384	NM_029564	Tax1bp3	76281	Tax1 (human T-cell leukemia virus type I) binding protein 3	8.05	2.92	0.00
A_51_P118132	NM_011386	Skil	20482	SKI-like	9.29	2.92	0.00
A_51_P225592	NM_001001	Tpm4	326618	tropomyosin 4	4.69	2.92	0.00
A_51_P469817	AK163070	A630052E0	320726	RIKEN cDNA A630052E07 gene	3.62	2.91	0.01
A_51_P310040	NM_144904	Rod1	230257	ROD1 regulator of differentiation 1 (S. pombe)	6.37	2.91	0.00
A_51_P272563	NM_172722	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	5.31	2.91	0.00
A_52_P579441	NM_001045	Morc3	338467	microrchidia 3	5.23	2.91	0.00
A_52_P686344	NM_001014	Ttll4	67534	tubulin tyrosine ligase-like family, member 4	4.65	2.91	0.00
A_51_P209280	NM_133685	Rab31	106572	RAB31, member RAS oncogene family	5.28	2.90	0.00
A_52_P248403	NA	NA	NA	NA	3.09	2.90	0.02
A_52_P1083556	AK032841	NA	NA	NA	2.86	2.90	0.05
A_51_P163261	NA	NA	NA	NA	5.73	2.90	0.00
A_52_P128612	NA	NA	NA	NA	6.13	2.90	0.00
A_51_P422300	NM_027209	Ms4a6b	69774	membrane-spanning 4-domains, subfamily A, member 6B	4.41	2.90	0.00

A_51_P444015	NA	NA	NA	NA	4.92	2.90	0.00
A_51_P118225	NM_028078	Igsf5	72058	immunoglobulin superfamily, member 5	3.03	2.90	0.03
A_51_P160907	NM_001045	Morc3	338467	microrchidia 3	5.40	2.89	0.00
A_52_P214966	NM_177730	Impad1	242291	inositol monophosphatase domain containing 1 CLP1, cleavage and polyadenylation factor I subunit,	4.42	2.89	0.00
A_51_P407193	NM_133840	Clp1	98985	homolog (<i>S. cerevisiae</i>)	5.28	2.89	0.00
A_51_P258372	NM_030691	Igsf6	80719	immunoglobulin superfamily, member 6	4.12	2.89	0.00
A_51_P199671	NM_172472	Tcfe3	209446	transcription factor E3 a disintegrin and metallopeptidase domain 9 (meltrin	3.93	2.89	0.00
A_51_P518378	NM_007404	Adam9	11502	gamma)	6.09	2.89	0.00
A_51_P131168	NM_001012	Ccdc55	237859	coiled-coil domain containing 55	5.85	2.88	0.00
A_52_P15658	NA	NA	NA	NA	6.67	2.88	0.00
A_52_P653719	NM_009005	Rab7	19349	RAB7, member RAS oncogene family	5.59	2.88	0.00
A_52_P247788	NM_172625	Ino80c	225280	INO80 complex subunit C	4.92	2.88	0.00
A_51_P279505	NM_019743	Rybp	56353	RING1 and YY1 binding protein	2.99	2.88	0.03
A_52_P311999	BC059060	Gm3893	1E+08	predicted gene 3893	3.96	2.88	0.00
A_52_P344160	NM_182995	6330503K2	101565	RIKEN cDNA 6330503K22 gene	5.78	2.88	0.00
A_51_P316816	NM_023738	Uba7	74153	ubiquitin-like modifier activating enzyme 7 solute carrier family 22 (organic cation transporter),	2.92	2.87	0.04
A_51_P407774	NM_019723	Slc22a21	56517	member 21 transient receptor potential cation channel, subfamily V,	4.56	2.87	0.00
A_51_P302749	NM_011706	Trpv2	22368	member 2	7.03	2.87	0.00
A_51_P422629	NM_011603	Tbpl1	237336	TATA box binding protein-like 1	4.08	2.87	0.00
A_51_P297388	NM_027733	Spata24	71242	spermatogenesis associated 24 adenosine deaminase, tRNA-specific 2, TAD2 homolog	4.20	2.87	0.00
A_51_P496804	NM_025748	Adat2	66757	(<i>S. cerevisiae</i>)	5.32	2.87	0.00
A_52_P450183	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5 solute carrier family 16 (monocarboxylic acid	5.58	2.87	0.00
A_51_P397363	NM_009196	Slc16a1	20501	transporters), member 1	3.78	2.87	0.00
A_52_P73385	AK086933	Fas	14102	Fas (TNF receptor superfamily member 6)	3.61	2.86	0.01
A_51_P157193	NM_023275	Rhoj	80837	ras homolog gene family, member J	4.79	2.86	0.00
A_52_P148861	NM_009743	Bcl2l1	12048	BCL2-like 1	3.44	2.86	0.01
A_52_P957260	NA	NA	NA	NA	2.89	2.86	0.04
A_51_P117666	BC055707	1810032O0	66293	RIKEN cDNA 1810032O08 gene	4.23	2.86	0.00

A_52_P561293	AK034782	9430037G	320692	RIKEN cDNA 9430037G07 gene	4.54	2.86	0.00
A_52_P221900	NM_177325	Tsr1	104662	TSR1, 20S rRNA accumulation, homolog (yeast)	6.44	2.86	0.00
A_51_P118443	AK051656	2310014H	76448	RIKEN cDNA 2310014H01 gene	3.23	2.86	0.01
A_52_P412167	NM_080467	Atp6v0a4	140494	ATPase, H+ transporting, lysosomal V0 subunit A4	6.20	2.85	0.00
A_52_P322141	BC038890	Ccdc88b	78317	coiled-coil domain containing 88B	6.83	2.85	0.00
A_52_P460037	NM_020575	7-Mar	57438	membrane-associated ring finger (C3HC4) 7	4.44	2.85	0.00
A_51_P394690	NM_175036	Leprot	230514	leptin receptor overlapping transcript	3.37	2.85	0.01
A_52_P98625	XM_884335	Ankrd57	268301	ankyrin repeat domain 57	2.85	2.85	0.05
A_51_P263302	NM_178607	Rnf24	51902	ring finger protein 24	5.10	2.85	0.00
A_51_P105078	NM_011311	S100a4	20198	S100 calcium binding protein A4	4.21	2.85	0.00
A_51_P488211	NM_153389	Atp10d	231287	ATPase, class V, type 10D	4.74	2.85	0.00
A_51_P194415	NM_023908	Slco3a1	108116	solute carrier organic anion transporter family, member 3a1	4.25	2.85	0.00
A_51_P166648	NM_027627	4931408A	70967	RIKEN cDNA 4931408A02 gene	5.72	2.84	0.00
A_52_P371494	AK136456	AI451617	209387	expressed sequence AI451617	3.36	2.84	0.01
A_52_P77764	NM_007514	Slc7a2	11988	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	4.09	2.84	0.00
A_51_P225276	NM_024181	Dnajc10	66861	Dnaj (Hsp40) homolog, subfamily C, member 10	4.42	2.84	0.00
A_51_P260683	NM_015811	Rgs1	50778	regulator of G-protein signaling 1	4.64	2.84	0.00
A_51_P502054	NM_145546	Gtf2b	229906	general transcription factor IIB	4.39	2.83	0.00
A_52_P376360	NM_019971	Pdgfc	54635	platelet-derived growth factor, C polypeptide	4.40	2.83	0.00
A_52_P211185	NM_008140	Gnat1	14685	guanine nucleotide binding protein, alpha transducing 1	3.04	2.83	0.03
A_52_P418665	NM_029512	Ttpal	76080	tocopherol (alpha) transfer protein-like	3.68	2.83	0.01
A_51_P159194	NM_008416	Junb	16477	Jun-B oncogene	4.81	2.83	0.00
A_52_P217100	NA	NA	NA	NA	8.21	2.83	0.00
A_51_P134007	NM_010880	Ncl	17975	nucleolin	7.46	2.83	0.00
A_51_P359822	NM_009160	Sftpd	20390	surfactant associated protein D	4.28	2.82	0.00
A_51_P423039	NM_145406	Slc10a3	214601	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	5.23	2.82	0.00
A_51_P281013	BC033455	0610007L	71667	RIKEN cDNA 0610007L01 gene	6.76	2.82	0.00
A_51_P105380	NM_029733	2010005H	176770	RIKEN cDNA 2010005H15 gene	5.85	2.82	0.00
A_52_P151853	NM_001025	Tpd52	21985	tumor protein D52	5.28	2.82	0.00

A_52_P323852	NM_023680	Tnfrsf22	79202	tumor necrosis factor receptor superfamily, member 22	3.90	2.82	0.00
A_52_P43549	NM_007646	Cd38	12494	CD38 antigen	4.14	2.82	0.00
A_51_P333349	NM_172541	Tmem120a	215210	transmembrane protein 120A	5.19	2.81	0.00
A_51_P397296	NM_028584	Marveld3	73608	MARVEL (membrane-associating) domain containing 3	3.50	2.81	0.01
A_52_P177685	NM_018821	Socs6	54607	suppressor of cytokine signaling 6	4.00	2.81	0.00
A_51_P308796	NM_010235	Fosl1	14283	fos-like antigen 1	3.33	2.81	0.01
A_51_P262878	NM_026211	Tmed9	67511	transmembrane emp24 protein transport domain containing 9	4.43	2.81	0.00
A_52_P1093529	NM_177320	Pik3r5	320207	phosphoinositide-3-kinase, regulatory subunit 5, p101	6.65	2.81	0.00
A_52_P410765	NM_011352	Sema7a	20361	sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A	5.23	2.81	0.00
A_52_P576230	NM_001004	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	7.99	2.80	0.00
A_51_P193146	NM_028595	Ms4a6c	73656	membrane-spanning 4-domains, subfamily A, member 6C	5.05	2.80	0.00
A_51_P521056	NM_018821	Socs6	54607	suppressor of cytokine signaling 6	3.59	2.80	0.01
A_51_P356413	NM_199068	Foxk1	17425	forkhead box K1	3.19	2.80	0.02
A_51_P500344	NM_145569	Mat2a	232087	methionine adenosyltransferase II, alpha	5.57	2.80	0.00
A_52_P909274	NM_011173	Pros1	19128	protein S (alpha)	4.83	2.80	0.00
A_51_P179864	NM_016979	Prkx	19108	protein kinase, X-linked	5.06	2.80	0.00
A_52_P490770	AK141740	Zfp26	22688	zinc finger protein 26	3.60	2.80	0.01
A_51_P488888	NM_013632	Pnp1	18950	purine-nucleoside phosphorylase 1	3.29	2.80	0.01
A_51_P136542	NM_033601	Bcl3	12051	B-cell leukemia/lymphoma 3	4.46	2.80	0.00
A_51_P459615	NM_198416	Zzz3	108946	zinc finger, ZZ domain containing 3	3.29	2.79	0.01
A_51_P377376	NM_178846	Gnl3	30877	guanine nucleotide binding protein-like 3 (nucleolar)	4.33	2.79	0.00
A_51_P314907	NM_013726	Dbf4	27214	DBF4 homolog (<i>S. cerevisiae</i>)	2.73	2.79	0.07
A_51_P313157	XM_979233	NA	NA	NA	5.81	2.79	0.00
A_51_P162794	NM_010370	Gzma	14938	granzyme A	5.68	2.79	0.00
A_52_P553820	NA	NA	NA	NA	4.12	2.79	0.00
A_51_P192800	NM_008175	Grn	14824	granulin	4.75	2.79	0.00

A_51_P286995	NM_025653	3110001I2:66598		RIKEN cDNA 3110001I22 gene	6.44	2.78	0.00
A_51_P274039	NM_007761	Crcp	12909	calcitonin gene-related peptide-receptor component protein	4.10	2.78	0.00
A_51_P202512	NM_173182	Fndc3b	72007	fibronectin type III domain containing 3B	4.03	2.78	0.00
A_51_P221014	NM_010581	Cd47	16423	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	5.38	2.77	0.00
A_52_P492062	XR_004049	NA	NA	NA	6.30	2.77	0.00
A_51_P244453	NM_172650	Kctd3	226823	potassium channel tetramerisation domain containing 3	3.46	2.77	0.01
A_52_P640386	NM_133857	Usp53	99526	ubiquitin specific peptidase 53	2.94	2.77	0.04
A_51_P445726	NM_011095	Lilrb3	18733	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	4.98	2.76	0.00
A_51_P232913	NM_009948	Cpt1b	12895	carnitine palmitoyltransferase 1b, muscle	4.47	2.76	0.00
A_52_P413448	AK019443	Tmem49	75909	transmembrane protein 49	4.91	2.76	0.00
A_51_P371174	NM_013863	Bag3	29810	BCL2-associated athanogene 3	4.44	2.76	0.00
A_52_P82991	NA	NA	NA	NA	4.88	2.76	0.00
A_51_P131661	NM_024182	Riok3	66878	RIO kinase 3 (yeast)	5.51	2.76	0.00
A_51_P152826	NM_025872	Golt1b	66964	golgi transport 1 homolog B (S. cerevisiae)	5.31	2.76	0.00
A_51_P325152	NM_177374	Trmt61a	328162	tRNA methyltransferase 61 homolog A (S. cerevisiae)	5.19	2.76	0.00
A_51_P507622	NM_181593	Itpkc	233011	inositol 1,4,5-trisphosphate 3-kinase C	2.84	2.75	0.05
A_52_P597461	NM_011386	Skil	20482	SKI-like	6.80	2.75	0.00
A_51_P333071	NM_025514	D10Ert64:52717		DNA segment, Chr 10, ERATO Doi 641, expressed	5.21	2.75	0.00
A_51_P195935	BC067054	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2	4.04	2.75	0.00
A_52_P135455	AK148928	Pdia6	71853	protein disulfide isomerase associated 6	2.75	2.75	0.06
A_52_P309012	AK033502	Chmp4c	66371	chromatin modifying protein 4C	3.41	2.75	0.01
A_52_P317524	NM_153165	Klhl15	236904	kelch-like 15 (Drosophila)	3.87	2.75	0.00
A_51_P172752	NM_025663	Gpatch4	66614	G patch domain containing 4	3.56	2.75	0.01
A_51_P114714	NM_023233	Trim13	66597	tripartite motif-containing 13	3.61	2.75	0.01
A_51_P116946	NM_080467	Atp6v0a4	140494	ATPase, H+ transporting, lysosomal V0 subunit A4	7.90	2.75	0.00
A_51_P369252	BC066148	4632434I1:74041		RIKEN cDNA 4632434I11 gene	3.83	2.75	0.00
A_52_P503663	NM_181748	Gpr120	107221	G protein-coupled receptor 120	3.86	2.74	0.00

A_51_P482990	NM_145996	Arid5a	214855	AT rich interactive domain 5A (MRF1-like)	5.03	2.74	0.00
A_52_P141338	NM_022816	Acot10	64833	acyl-CoA thioesterase 10	4.08	2.74	0.00
A_52_P502828	NM_001008!	Pde2a	207728	phosphodiesterase 2A, cGMP-stimulated	5.54	2.74	0.00
A_52_P589169	NM_028079	201011110:72061		RIKEN cDNA 2010111101 gene	5.23	2.74	0.00
A_51_P409132	NM_177325	Tsr1	104662	TSR1, 20S rRNA accumulation, homolog (yeast)	5.00	2.74	0.00
A_52_P86704	NM_001039!	Arl4a	11861	ADP-ribosylation factor-like 4A	3.48	2.73	0.01
A_51_P405476	NM_010185	Fcer1g	14127	Fc receptor, IgE, high affinity I, gamma polypeptide fusion, derived from t(12;16) malignant liposarcoma	4.23	2.73	0.00
A_51_P512364	NM_139149	Fus	233908	(human)	4.70	2.73	0.00
A_51_P318182	XM_979235	EG665756	665756	predicted gene, EG665756	5.66	2.73	0.00
A_52_P118638	NM_177103	Senp5	320213	SUMO/sentrin specific peptidase 5	6.55	2.72	0.00
A_52_P197731	NM_001025:	2700007P2	212772	RIKEN cDNA 2700007P21 gene	6.37	2.72	0.00
A_52_P511821	NM_027057	Wdfy1	69368	WD repeat and FYVE domain containing 1	3.60	2.72	0.01
A_51_P248962	XM_896388	NA	NA	NA	5.10	2.72	0.00
A_52_P670037	NM_013747	Golga5	27277	golgi autoantigen, golgin subfamily a, 5	3.23	2.72	0.01
A_52_P1061446	XM_885873	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	6.58	2.71	0.00
A_51_P357744	NM_010592	Jund	16478	Jun proto-oncogene related gene d	4.29	2.71	0.00
A_52_P525183	NM_134188	Acot2	171210	acyl-CoA thioesterase 2	4.19	2.71	0.00
A_52_P281209	AK145066	Kdm4a	230674	lysine (K)-specific demethylase 4A	3.60	2.71	0.01
A_51_P208121	NM_182782	Klhl25	207952	kelch-like 25 (Drosophila)	2.95	2.71	0.03
A_51_P518528	NM_172920	Dpy19l1	244745	dpy-19-like 1 (C. elegans)	6.39	2.71	0.00
A_51_P477250	AK040652	Abca6	76184	ATP-binding cassette, sub-family A (ABC1), member 6	3.74	2.71	0.01
A_52_P254095	NM_010818	Cd200	17470	CD200 antigen	3.33	2.70	0.01
A_51_P493364	NM_144958	Eif4a1	13681	eukaryotic translation initiation factor 4A1	4.28	2.70	0.00
A_52_P101487	AK158894	Ddn	13199	dendrin	5.30	2.70	0.00
A_51_P193395	NM_172428	Ccdc134	76457	coiled-coil domain containing 134	3.15	2.70	0.02
A_51_P294970	NM_172606	6-Mar	223455	membrane-associated ring finger (C3HC4) 6	3.79	2.70	0.00
A_51_P136521	NM_026671	Lypd2	68311	Ly6/Plaur domain containing 2	3.35	2.70	0.01
A_51_P431433	NM_031997	Tmem2	83921	transmembrane protein 2	5.53	2.70	0.00
A_52_P273177	NM_008448	Kif5b	16573	kinesin family member 5B	7.10	2.70	0.00
A_51_P223498	NM_172653	Slc39a10	227059	solute carrier family 39 (zinc transporter), member 10	4.01	2.70	0.00

A_51_P271439	NM_001033	Fam59a	381126	family with sequence similarity 59, member A	3.73	2.69	0.01
A_52_P188827	NM_181318	Rasgef1b	320292	RasGEF domain family, member 1B	2.79	2.69	0.05
A_52_P210511	NM_011612	Tnfrsf9	21942	tumor necrosis factor receptor superfamily, member 9	3.51	2.69	0.01
A_52_P556111	NM_178682	4933426M	217684	RIKEN cDNA 4933426M11 gene	4.66	2.69	0.00
A_51_P372826	NM_145533	Smox	228608	spermine oxidase	4.10	2.69	0.00
A_52_P642801	XM_618738	Lats1	16798	large tumor suppressor	4.65	2.69	0.00
A_52_P624149	NM_011631	Hsp90b1	22027	heat shock protein 90, beta (Grp94), member 1	4.04	2.69	0.00
A_52_P289893	NM_181650	Prdm4	72843	PR domain containing 4	4.16	2.69	0.00
A_51_P241457	NM_013532	Lilrb4	14728	leukocyte immunoglobulin-like receptor, subfamily B, member 4	3.76	2.69	0.00
A_52_P501697	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	5.79	2.69	0.00
A_52_P188261	NM_001025	Camk2d	108058	calcium/calmodulin-dependent protein kinase II, delta	3.99	2.69	0.00
A_52_P466542	NM_172763	Zfp809	235047	zinc finger protein 809	4.55	2.68	0.00
A_51_P387239	NM_021792	ligp1	60440	interferon inducible GTPase 1	3.20	2.68	0.02
A_51_P202911	NM_144882	Spats2l	67198	spermatogenesis associated, serine-rich 2-like	3.75	2.68	0.01
A_52_P380418	M32070	Rarg	19411	retinoic acid receptor, gamma	5.70	2.68	0.00
A_52_P680436	NM_025793	Wdr45l	66840	Wdr45 like	4.45	2.68	0.00
A_51_P453475	NM_009201	Slc1a5	20514	solute carrier family 1 (neutral amino acid transporter), member 5	2.72	2.68	0.07
A_51_P429335	NM_019429	Prss16	54373	protease, serine, 16 (thymus)	5.30	2.68	0.00
A_52_P8903	NM_177140	D230037D	320351	RIKEN cDNA D230037D09 gene	5.91	2.67	0.00
A_51_P390314	AK165554	Wdfy1	69368	WD repeat and FYVE domain containing 1	3.38	2.67	0.01
A_51_P333839	NM_019971	Pdgfc	54635	platelet-derived growth factor, C polypeptide	3.80	2.67	0.00
A_51_P216702	NM_175313	A130022J1	101351	RIKEN cDNA A130022J15 gene	3.19	2.67	0.02
A_52_P88910	AK019498	NA	NA	NA	3.89	2.66	0.00
A_51_P338397	NM_026145	Kctd10	330171	potassium channel tetramerisation domain containing 10	3.87	2.66	0.00
A_52_P604613	NM_010333	S1pr2	14739	sphingosine-1-phosphate receptor 2	3.75	2.66	0.00
A_51_P147878	NM_010432	Hipk1	15257	homeodomain interacting protein kinase 1	4.18	2.66	0.00
A_52_P479269	NM_011519	Sdc1	20969	syndecan 1	5.14	2.66	0.00

A_51_P405478	J05020	Fcer1g	14127	Fc receptor, IgE, high affinity I, gamma polypeptide	2.74	2.66	0.06
A_52_P305041	NM_027045	Gcap14	72972	granule cell antiserum positive 14	4.39	2.66	0.00
A_52_P188593	NM_001007!	Gm447	242997	predicted gene 447	3.96	2.66	0.00
A_52_P598309	AK005231	1500012F0	68949	RIKEN cDNA 1500012F01 gene	5.25	2.66	0.00
A_52_P189897	NM_001039!	Gtf2a2	235459	general transcription factor II A, 2	5.79	2.66	0.00
A_51_P280761	XM_885873	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	5.33	2.65	0.00
A_52_P191059	AK043395	Zfp612	234725	zinc finger protein 612	3.79	2.65	0.00
A_51_P125535	NM_017374	Ppp2cb	19053	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	5.76	2.65	0.00
A_51_P368171	AK049415	AU020206	101757	expressed sequence AU020206	2.81	2.65	0.05
A_52_P109378	NM_008039	Fpr2	14289	formyl peptide receptor 2	3.99	2.65	0.00
A_52_P548463	NM_133365	Dnahc5	110082	dynein, axonemal, heavy chain 5	3.94	2.65	0.00
A_51_P456941	NM_010500	Ier5	15939	immediate early response 5	4.77	2.65	0.00
A_51_P292933	NM_026396	Brix1	67832	BRX1, biogenesis of ribosomes, homolog (<i>S. cerevisiae</i>)	5.36	2.65	0.00
A_51_P228768	NM_011409	Slfn3	20557	schlafen 3	5.32	2.65	0.00
A_52_P15536	NM_133349	Zfand2a	100494	zinc finger, AN1-type domain 2A	2.95	2.65	0.03
A_52_P546660	NM_183112	1700029I1!	75641	RIKEN cDNA 1700029I15 gene	6.79	2.64	0.00
A_51_P370975	NM_011200	Ptp4a1	19243	protein tyrosine phosphatase 4a1	3.08	2.64	0.02
A_52_P89567	NM_007483	Rhob	11852	ras homolog gene family, member B	4.78	2.64	0.00
A_52_P528690	NM_033475	Rab34	19376	RAB34, member of RAS oncogene family	3.84	2.64	0.00
A_51_P425696	NM_029810	Nt5c2	76952	5'-nucleotidase, cytosolic II	4.42	2.64	0.00
A_51_P364694	AK138790	Slfn5	327978	schlafen 5	4.07	2.64	0.00
A_52_P90337	NM_010794	Mgat1	17308	mannoside acetylglucosaminyltransferase 1	5.39	2.64	0.00
A_52_P84037	AK033206	Socs2	216233	suppressor of cytokine signaling 2	3.03	2.64	0.03
A_52_P206492	NM_025390	Pop4	66161	processing of precursor 4, ribonuclease P/MRP family, (<i>S. cerevisiae</i>)	3.21	2.63	0.02
A_52_P605846	NM_009883	Cebpb	12608	CCAAT/enhancer binding protein (C/EBP), beta	3.09	2.63	0.02
A_52_P573336	NM_172205	Sbsn	282619	suprabasin	3.38	2.63	0.01
A_51_P459350	NM_019771	Dstn	56431	destrin	4.12	2.62	0.00
A_52_P492176	NM_022023	Gmfb	63985	glia maturation factor, beta	4.65	2.62	0.00
A_52_P450045	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	4.23	2.62	0.00
A_52_P433643	NM_170599	Igsf11	207683	immunoglobulin superfamily, member 11	6.45	2.62	0.00

A_51_P377452	NM_008677	Ncf4	17972	neutrophil cytosolic factor 4	3.65	2.62	0.01
A_52_P465521	NA	NA	NA	NA	4.22	2.62	0.00
A_52_P615096	NM_015729	Acox1	11430	acyl-Coenzyme A oxidase 1, palmitoyl	3.92	2.62	0.00
A_52_P84315	BC034239	Chd7	320790	chromodomain helicase DNA binding protein 7	6.70	2.62	0.00
A_51_P130757	NM_025408	Acer3	66190	alkaline ceramidase 3	4.18	2.62	0.00
A_51_P306031	NA	NA	NA	NA	4.83	2.62	0.00
A_51_P184928	NM_028968	Ifitm7	74482	interferon induced transmembrane protein 7	5.10	2.62	0.00
A_51_P273921	NM_007599	Capg	12332	capping protein (actin filament), gelsolin-like	4.98	2.62	0.00
A_51_P248959	XM_896388	NA	NA	NA	3.64	2.61	0.01
A_51_P225761	AK031537	Zcchc6	214290	zinc finger, CCHC domain containing 6	3.84	2.61	0.00
A_52_P212025	AK012979	Ror1	26563	receptor tyrosine kinase-like orphan receptor 1	3.46	2.61	0.01
A_51_P265406	NM_053194	Ric8	101489	resistance to inhibitors of cholinesterase 8 homolog (C. elegans)	6.81	2.60	0.00
A_52_P361664	NM_016862	Vti1a	53611	vesicle transport through interaction with t-SNAREs homolog 1A (yeast)	6.35	2.60	0.00
A_51_P408729	NM_016966	Phgdh	236539	3-phosphoglycerate dehydrogenase	5.72	2.60	0.00
A_52_P243102	NM_172650	Kctd3	226823	potassium channel tetramerisation domain containing 3	4.06	2.60	0.00
A_51_P409260	NM_008539	Smad1	17125	MAD homolog 1 (Drosophila)	3.84	2.60	0.00
A_52_P553589	AK081256	90306170C	217830	RIKEN cDNA 90306170O03 gene	3.50	2.60	0.01
A_52_P700056	BC089618	Gm11428	1E+08	predicted gene 11428	3.54	2.60	0.01
A_51_P294288	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	4.70	2.60	0.00
A_51_P382849	NM_010330	Emb	13723	embigin	6.21	2.59	0.00
A_51_P113527	NM_144958	Eif4a1	13681	eukaryotic translation initiation factor 4A1	6.28	2.59	0.00
A_51_P142529	NM_011316	Saa4	20211	serum amyloid A 4	4.11	2.59	0.00
A_52_P171160	NM_177281	D930030D	320874	RIKEN cDNA D930030D11 gene	3.93	2.59	0.00
A_52_P579933	NM_001029	Slc16a6	104681	solute carrier family 16 (monocarboxylic acid transporters), member 6	3.22	2.59	0.02
A_51_P148311	NM_028850	Chic2	74277	cysteine-rich hydrophobic domain 2	4.15	2.59	0.00
A_52_P46310	NM_027946	Dcaf7	71833	DDB1 and CUL4 associated factor 7	4.98	2.59	0.00
A_51_P345975	NM_022883	Lpin3	64899	lipin 3	5.11	2.59	0.00
A_52_P415750	NM_021439	Chst11	58250	carbohydrate sulfotransferase 11	4.47	2.59	0.00
A_51_P374533	NM_146338	Olf374	258335	olfactory receptor 374	4.46	2.58	0.00
A_51_P282760	NM_011066	Per2	18627	period homolog 2 (Drosophila)	2.99	2.58	0.03

A_51_P203675	NM_021407	Trem3	58218	triggering receptor expressed on myeloid cells 3	6.75	2.58	0.00
A_51_P310135	NM_011544	Tcf12	21406	transcription factor 12	5.57	2.58	0.00
A_51_P198045	AK012286	Rab28	100972	RAB28, member RAS oncogene family	4.85	2.58	0.00
A_51_P128876	NM_025378	Ifitm3	66141	interferon induced transmembrane protein 3	6.41	2.58	0.00
A_52_P307267	NM_008477	Ktn1	16709	kinectin 1	4.56	2.58	0.00
A_51_P236721	NM_133839	Mmadhc	109129	methymlalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria	5.06	2.58	0.00
A_51_P161037	AK172953	Cep170	545389	centrosomal protein 170	6.24	2.58	0.00
A_51_P491350	NM_009932	Col4a2	12827	collagen, type IV, alpha 2	4.97	2.58	0.00
A_51_P346938	NM_029796	Lrg1	76905	leucine-rich alpha-2-glycoprotein 1	3.99	2.57	0.00
A_52_P550843	NM_024282	Pppde1	78825	PPPDE peptidase domain containing 1	5.43	2.57	0.00
A_51_P287635	NM_008773	P2ry2	18442	purinergic receptor P2Y, G-protein coupled 2	3.75	2.57	0.00
A_52_P413805	AK028505	Rad18	58186	RAD18 homolog (<i>S. cerevisiae</i>)	4.27	2.57	0.00
A_51_P121058	NM_011639	Trip6	22051	thyroid hormone receptor interactor 6	5.51	2.57	0.00
A_52_P249826	NM_020259	Hhip	15245	Hedgehog-interacting protein	5.87	2.57	0.00
A_52_P69998	NM_025841	Kdelr2	66913	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	3.92	2.56	0.00
A_51_P354265	NM_009256	Serpinb9	20723	serine (or cysteine) peptidase inhibitor, clade B, member 9	3.85	2.56	0.00
A_52_P669510	NA	NA	NA	NA	2.93	2.56	0.04
A_52_P320032	NM_139149	Fus	233908	fusion, derived from t(12;16) malignant liposarcoma (human)	4.42	2.56	0.00
A_51_P400581	NM_023210	Anp32e	66471	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	4.84	2.56	0.00
A_52_P495729	NM_011019	Osmr	18414	oncostatin M receptor	4.23	2.56	0.00
A_51_P449935	NM_025310	Ftsj3	56095	FtsJ homolog 3 (<i>E. coli</i>)	3.11	2.56	0.02
A_52_P309044	NM_001012	Ccdc55	237859	coiled-coil domain containing 55	4.17	2.56	0.00
A_51_P483324	NM_008979	Ptpn22	19260	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	3.00	2.56	0.03
A_52_P987461	NM_001002	NA	NA	NA	5.62	2.56	0.00
A_52_P328249	AK083076	Pkm2	18746	pyruvate kinase, muscle	3.14	2.56	0.02
A_52_P349738	NM_024173	Atp6v1g1	66290	ATPase, H ⁺ transporting, lysosomal V1 subunit G1	9.45	2.56	0.00
A_51_P424828	NM_026425	Naa20	67877	N(alpha)-acetyltransferase 20, NatB catalytic subunit	3.07	2.55	0.02

A_51_P452977	NM_008078	Gad2	14417	glutamic acid decarboxylase 2	3.84	2.55	0.00
A_52_P338651	NM_011256	Pitpnm2	19679	phosphatidylinositol transfer protein, membrane-associated 2	3.84	2.55	0.00
A_51_P339824	NM_177700	Atmin	234776	ATM interactor	2.82	2.55	0.05
A_51_P123216	NM_029492	Zdhhc20	75965	zinc finger, DHHC domain containing 20	4.14	2.55	0.00
A_51_P492595	NM_172518	Fbxo42	213499	F-box protein 42	4.32	2.55	0.00
A_51_P143224	NM_013594	Mbd1	17190	methyl-CpG binding domain protein 1	3.92	2.55	0.00
A_51_P225634	NM_027306	Zdhhc25	70073	zinc finger, DHHC domain containing 25	3.59	2.55	0.01
A_52_P4148	BC056964	Taf1d	75316	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, D	4.53	2.55	0.00
A_52_P14456	AK129457	Srrm4	68955	serine/arginine repetitive matrix 4	2.82	2.55	0.05
A_51_P328883	NM_145612	Zfp810	235050	zinc finger protein 810	4.07	2.55	0.00
A_52_P665742	BC069989	Srebf2	20788	sterol regulatory element binding factor 2	3.22	2.54	0.02
A_52_P168271	NM_144895	Spg20	229285	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	4.44	2.54	0.00
A_52_P299746	NM_133781	Cab39	12283	calcium binding protein 39	4.48	2.54	0.00
A_52_P527800	NM_145158	Emilin2	246707	elastin microfibril interfacier 2	4.09	2.54	0.00
A_51_P288162	NM_197982	Ddx39	68278	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	6.84	2.54	0.00
A_52_P21971	NM_008678	Ncoa2	17978	nuclear receptor coactivator 2	3.39	2.54	0.01
A_52_P642207	NM_018810	Mkrn1	54484	makorin, ring finger protein, 1	5.87	2.54	0.00
A_51_P415688	NM_025278	Gng12	14701	guanine nucleotide binding protein (G protein), gamma 12	5.68	2.53	0.00
A_51_P513072	NM_175372	Rdh13	108841	retinol dehydrogenase 13 (all-trans and 9-cis)	6.44	2.53	0.00
A_52_P471583	NM_199068	Foxk1	17425	forkhead box K1	2.93	2.53	0.04
A_51_P488383	XM_0010052	NA	NA	NA	3.32	2.53	0.01
A_52_P302304	NM_023268	Qsox1	104009	quiescin Q6 sulfhydryl oxidase 1	5.97	2.53	0.00
A_51_P440460	NM_145070	Hip1r	29816	huntingtin interacting protein 1 related	3.61	2.53	0.01
A_51_P377826	AF224494	Zfand2a	100494	zinc finger, AN1-type domain 2A	3.41	2.53	0.01
A_51_P189985	NM_145610	Ppan	235036	peter pan homolog (Drosophila)	4.40	2.53	0.00
A_51_P253074	NM_027979	Chit1	71884	chitinase 1 (chitotriosidase)	5.04	2.53	0.00
A_51_P365932	NM_026250	Gin1	252876	gypsy retrotransposon integrase 1	5.75	2.53	0.00
A_51_P432180	NM_001029	Slc16a6	104681	solute carrier family 16 (monocarboxylic acid transporters), member 6	3.12	2.53	0.02
A_51_P207921	NM_008898	Por	18984	P450 (cytochrome) oxidoreductase	5.34	2.52	0.00

A_51_P256369	NM_199322	Dot1l	208266	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	4.13	2.52	0.00
A_52_P341449	NM_028352	Pgm3	109785	phosphoglucomutase 3	4.42	2.52	0.00
A_51_P360004	NM_029021	4833422F2	74614	RIKEN cDNA 4833422F24 gene	3.00	2.52	0.03
A_51_P274803	NM_175648	A530023O1	244183	RIKEN cDNA A530023O14 gene	2.90	2.52	0.04
A_52_P601383	NM_011090	Lilra6	18726	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6	6.30	2.52	0.00
A_51_P505169	NM_021720	Donson	60364	downstream neighbor of SON	5.92	2.52	0.00
A_52_P645275	BC085283	NA	NA	NA	3.30	2.52	0.01
A_52_P250517	NM_011743	Zfp106	20402	zinc finger protein 106	4.85	2.52	0.00
A_51_P312327	NM_022415	Ptges	64292	prostaglandin E synthase	6.21	2.51	0.00
A_52_P932984	NA	NA	NA	NA	2.95	2.51	0.03
A_52_P670970	AK122466	Usp31	76179	ubiquitin specific peptidase 31	2.83	2.51	0.05
A_52_P451929	NM_011090	Lilra6	18726	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6	4.01	2.51	0.00
A_51_P416387	NM_019768	Morf4l2	56397	mortality factor 4 like 2	5.12	2.51	0.00
A_51_P241861	NM_016921	Tcirg1	27060	T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal V0 protein A3	3.21	2.51	0.02
A_51_P148037	NM_177364	Sh3pxd2b	268396	SH3 and PX domains 2B	4.54	2.51	0.00
A_52_P375312	NM_001005	Amica1	270152	adhesion molecule, interacts with CXADR antigen 1	4.17	2.51	0.00
A_52_P150988	NM_029582	Txndc11	106200	thioredoxin domain containing 11	4.82	2.51	0.00
A_51_P151126	NM_013706	Cd52	23833	CD52 antigen	4.15	2.51	0.00
A_52_P431859	NA	NA	NA	NA	3.56	2.51	0.01
A_51_P317460	NM_010824	Mpo	17523	myeloperoxidase	3.86	2.50	0.00
A_51_P142989	XM_920647	NA	NA	NA	5.86	2.50	0.00
A_52_P37947	NM_176976	5830418K0	319675	RIKEN cDNA 5830418K08 gene	6.08	2.50	0.00
A_52_P590546	NM_011631	Hsp90b1	22027	heat shock protein 90, beta (Grp94), member 1	4.61	2.50	0.00
A_51_P438820	NM_023258	Pycard	66824	PYD and CARD domain containing	5.54	2.50	0.00
A_51_P124315	NM_177649	NA	NA	NA	4.48	2.50	0.00
A_52_P104961	NA	NA	NA	NA	4.08	2.50	0.00
A_52_P76034	NM_173867	Rcc2	108911	regulator of chromosome condensation 2	3.41	2.50	0.01
A_52_P332517	NM_027314	5-Mar	69104	membrane-associated ring finger (C3HC4) 5	3.30	2.50	0.01

				glial cell line derived neurotrophic factor family receptor			
A_52_P311022	NM_010279	Gfra1	14585	alpha 1	4.88	2.50	0.00
A_51_P163444	NM_025821	Carhsp1	52502	calcium regulated heat stable protein 1	3.54	2.50	0.01
A_51_P285462	NM_146276	Olfr1394	258273	olfactory receptor 1394	4.46	2.50	0.00
A_51_P212515	NM_178726	Ppm1l	242083	protein phosphatase 1 (formerly 2C)-like	5.60	2.49	0.00
A_52_P193440	XM_976118	NA	NA	NA	3.75	2.49	0.01
A_51_P260433	NM_008976	Ptpn14	19250	protein tyrosine phosphatase, non-receptor type 14	3.54	2.49	0.01
A_52_P157880	XM_357943	Gm1947	384929	predicted gene 1947	3.65	2.49	0.01
A_51_P488730	NM_175480	Zfp612	234725	zinc finger protein 612	4.59	2.49	0.00
A_52_P128906	AK006810	Zfp787	67109	zinc finger protein 787	5.01	2.49	0.00
A_51_P470242	NM_009028	Rasl2-9	19428	RAS-like, family 2, locus 9	4.14	2.49	0.00
A_51_P157112	NM_008458	Serpina3c	16625	serine (or cysteine) peptidase inhibitor, clade A, member 3C	3.26	2.49	0.01
A_52_P323111	AK136463	Lass6	241447	LAG1 homolog, ceramide synthase 6	3.30	2.49	0.01
A_51_P505795	NM_145391	Tapbpl	213233	TAP binding protein-like	4.43	2.49	0.00
A_51_P103320	AK173162	Jmjd1c	108829	jumonji domain containing 1C	4.47	2.49	0.00
A_51_P354154	NM_028003	Rpap3	71919	RNA polymerase II associated protein 3	6.23	2.49	0.00
A_51_P388099	NM_019693	Bat1a	53817	HLA-B-associated transcript 1A	4.20	2.48	0.00
A_52_P74883	BC082311	Myo16	244281	myosin XVI	6.65	2.48	0.00
A_52_P732529	NM_001015	Taf9	108143	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	3.40	2.48	0.01
A_52_P579654	NM_148958	Osbpl10	74486	oxysterol binding protein-like 10	4.73	2.48	0.00
A_51_P125368	NM_008214	Hars	15115	histidyl-tRNA synthetase	3.23	2.48	0.01
A_52_P578790	NM_013739	Dok3	27261	docking protein 3	7.05	2.48	0.00
A_52_P274352	BC053027	Mapk8	26419	mitogen-activated protein kinase 8	4.67	2.48	0.00
A_52_P228236	NM_011638	Tfrc	22042	transferrin receptor	3.67	2.48	0.01
A_51_P221460	NM_025661	Ormdl3	66612	ORM1-like 3 (<i>S. cerevisiae</i>)	4.55	2.48	0.00
A_52_P407220	NM_146194	Picalm	233489	phosphatidylinositol binding clathrin assembly protein	3.54	2.48	0.01
A_51_P511315	NM_011193	Pstpip1	19200	proline-serine-threonine phosphatase-interacting protein 1	6.81	2.48	0.00
A_52_P153189	NM_024269	Arl2bp	107566	ADP-ribosylation factor-like 2 binding protein	4.19	2.47	0.00
A_51_P295420	NM_145931	Zc3h7a	106205	zinc finger CCCH type containing 7 A	3.82	2.47	0.00

A_51_P300277	NM_009898	Coro1a	12721	coronin, actin binding protein 1A	4.37	2.47	0.00
A_52_P625461	AK088316	lpo11	76582	importin 11	7.73	2.47	0.00
A_51_P513568	AK017897	Stx11	74732	syntaxin 11	3.89	2.47	0.00
A_52_P548680	AK172036	Pik3c2a	18704	phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide	3.44	2.47	0.01
A_52_P134158	NM_024182	Riok3	66878	RIO kinase 3 (yeast)	5.05	2.47	0.00
A_51_P506402	NM_183428	Epb4.1	269587	erythrocyte protein band 4.1	3.62	2.46	0.01
A_52_P456640	NM_010208	Fgr	14191	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog	3.23	2.46	0.01
A_51_P424959	NM_007528	Bcl6b	12029	B-cell CLL/lymphoma 6, member B	6.61	2.46	0.00
A_51_P520066	NM_020273	Gmeb1	56809	glucocorticoid modulatory element binding protein 1	3.10	2.46	0.02
A_51_P265444	NM_172980	Slc28a2	269346	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	4.65	2.46	0.00
A_52_P483129	NM_030132	Utp23	78581	UTP23, small subunit (SSU) processome component, homolog (yeast)	3.04	2.46	0.03
A_51_P500760	XM_994514	Eid2b	434156	EP300 interacting inhibitor of differentiation 2B	5.48	2.46	0.00
A_52_P130642	NM_028665	Ankrd42	73845	ankyrin repeat domain 42	4.30	2.46	0.00
A_52_P502717	NM_176913	Dpep2	319446	dipeptidase 2	3.53	2.46	0.01
A_52_P193301	NM_025519	Chmp4c	66371	chromatin modifying protein 4C	4.09	2.45	0.00
A_51_P457306	NM_015775	Tmprss2	50528	transmembrane protease, serine 2	4.95	2.45	0.00
A_51_P270939	NM_019650	Gosr2	56494	golgi SNAP receptor complex member 2	4.75	2.45	0.00
A_52_P190286	XM_0010062	NA	NA	NA	6.32	2.45	0.00
A_51_P106443	NM_001014	Ttll4	67534	tubulin tyrosine ligase-like family, member 4	3.86	2.45	0.00
A_52_P327381	NM_022424	Fndc4	64339	fibronectin type III domain containing 4	5.43	2.45	0.00
A_51_P197213	NM_025802	Pnpla2	66853	patatin-like phospholipase domain containing 2	3.54	2.45	0.01
A_51_P122740	NM_028123	Slc37a3	72144	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	4.76	2.45	0.00
A_52_P87395	NA	NA	NA	NA	3.64	2.45	0.01
A_52_P423424	NM_015774	Ero1l	50527	ERO1-like (<i>S. cerevisiae</i>)	5.93	2.45	0.00
A_51_P108901	NM_023731	Ccdc86	108673	coiled-coil domain containing 86	4.61	2.45	0.00
A_52_P63553	NM_009883	Cebpb	12608	CCAAT/enhancer binding protein (C/EBP), beta	4.40	2.44	0.00
A_51_P364146	NM_010699	Ldha	16828	lactate dehydrogenase A	4.20	2.44	0.00
A_52_P184160	NA	NA	NA	NA	5.29	2.44	0.00

A_51_P211903	NM_013747	Golga5	27277	golgi autoantigen, golgin subfamily a, 5	4.15	2.44	0.00
A_52_P293232	NM_030705	Mesdc1	80889	mesoderm development candidate 1	4.04	2.44	0.00
A_51_P387632	NM_022885	Slc30a5	69048	solute carrier family 30 (zinc transporter), member 5	3.70	2.44	0.01
A_51_P325856	NM_026985	1810033B1	69189	RIKEN cDNA 1810033B17 gene	6.56	2.44	0.00
A_51_P109449	NM_008519	Ltb4r1	16995	leukotriene B4 receptor 1	4.43	2.44	0.00
A_51_P433556	NM_197993	Tut1	70044	terminal uridylyl transferase 1, U6 snRNA-specific	4.58	2.44	0.00
A_51_P236991	NM_028156	1700001P0	72215	RIKEN cDNA 1700001P01 gene	3.80	2.44	0.00
A_51_P151254	NM_134060	Slc35b3	108652	solute carrier family 35, member B3	4.82	2.44	0.00
A_52_P152133	NM_023124	H2-Q8	15019	histocompatibility 2, Q region locus 8	5.36	2.43	0.00
A_51_P209807	XM_0010017	Ccnyl1	227210	cyclin Y-like 1	3.64	2.43	0.01
A_52_P520909	AK143078	Tmem214	68796	transmembrane protein 214	3.77	2.43	0.00
A_52_P292528	NM_023603	Sfpq	71514	splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)	5.37	2.43	0.00
A_52_P359071	AK042039	4930599N2	75379	RIKEN cDNA 4930599N23 gene	4.00	2.42	0.00
A_51_P466858	NM_001039	Asxl1	228790	additional sex combs like 1 (Drosophila)	4.15	2.42	0.00
A_51_P272553	NM_011498	Bhlhe40	20893	basic helix-loop-helix family, member e40	2.97	2.42	0.03
A_51_P205209	NM_018729	Cd244	18106	CD244 natural killer cell receptor 2B4	4.51	2.42	0.00
A_52_P648203	XM_619304	NA	NA	NA	2.95	2.42	0.03
A_52_P675039	NM_028429	Fhad1	329977	forkhead-associated (FHA) phosphopeptide binding domain 1	3.99	2.41	0.00
A_51_P359018	NM_011841	Mapk7	23939	mitogen-activated protein kinase 7	4.06	2.41	0.00
A_52_P196138	BC038386	Cep110	26920	centrosomal protein 110	3.03	2.41	0.03
A_51_P236175	NM_009069	Rit1	19769	Ras-like without CAAX 1	3.74	2.41	0.01
A_51_P452003	NM_027497	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	3.33	2.41	0.01
A_51_P513244	XM_150216	4930422I0	71640	RIKEN cDNA 4930422I07 gene	4.34	2.41	0.00
A_52_P550858	AK085407	Ifi44	99899	interferon-induced protein 44	3.84	2.41	0.00
A_52_P128283	NM_001033	Rnf149	67702	ring finger protein 149	3.10	2.41	0.02
A_52_P488471	NM_008019	Fkbp1a	14225	FK506 binding protein 1a	5.09	2.41	0.00
A_51_P417313	NM_001015	Taf9	108143	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	5.43	2.41	0.00
A_51_P226472	NM_001035	Akap2	11641	A kinase (PRKA) anchor protein 2	4.09	2.41	0.00

A_51_P183400	NM_146194	Picalm	233489	phosphatidylinositol binding clathrin assembly protein	5.67	2.41	0.00
A_52_P496628	NM_175381	2700081O1	108899	RIKEN cDNA 2700081O15 gene	4.91	2.40	0.00
A_52_P577853	NM_177239	Mysm1	320713	myb-like, SWIRM and MPN domains 1	6.45	2.40	0.00
A_52_P1131540	AK046587	NA	NA	NA	2.75	2.40	0.06
A_51_P136883	NM_009005	Rab7	19349	RAB7, member RAS oncogene family	4.06	2.40	0.00
A_51_P320852	NM_007657	Cd9	12527	CD9 antigen	3.03	2.40	0.03
A_51_P363818	NM_019550	Ptbp2	56195	polypyrimidine tract binding protein 2	4.49	2.40	0.00
A_52_P496142	NM_009932	Col4a2	12827	collagen, type IV, alpha 2	5.17	2.40	0.00
A_51_P143103	BC066048	Pprc1	226169	peroxisome proliferative activated receptor, gamma, coactivator-related 1	4.98	2.40	0.00
A_52_P156190	NM_010332	Ednra	13617	endothelin receptor type A	4.18	2.40	0.00
A_51_P510900	NM_026460	Serpini2	67931	serine (or cysteine) peptidase inhibitor, clade I, member 2	4.40	2.39	0.00
A_52_P335508	NM_145513	Tipr1	226591	TIP41, TOR signalling pathway regulator-like (S. cerevisiae)	3.59	2.39	0.01
A_51_P262079	NM_010394	H2-Q7	15018	histocompatibility 2, Q region locus 7	5.04	2.39	0.00
A_51_P125446	NM_026963	Lzic	69151	leucine zipper and CTNNBIP1 domain containing	3.90	2.39	0.00
A_52_P153302	NM_027238	Ttc39b	69863	tetratricopeptide repeat domain 39B	4.35	2.39	0.00
A_51_P124345	NM_153166	Cpne5	240058	copine V	5.04	2.39	0.00
A_51_P413359	NM_183201	Slfn5	327978	schlafen 5	3.11	2.39	0.02
A_51_P172131	NM_026821	D4Bwg095	52829	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed	3.62	2.39	0.01
A_51_P488175	AK053606	Phf2011	239510	PHD finger protein 20-like 1	6.35	2.39	0.00
A_51_P216303	NM_008608	Mmp14	17387	matrix metalloproteinase 14 (membrane-inserted)	3.29	2.38	0.01
A_51_P142089	NM_016920	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1	6.00	2.38	0.00
A_51_P207540	NM_146826	Olfr969	258823	olfactory receptor 969	5.37	2.38	0.00
A_51_P411770	NM_025391	Nip7	66164	nuclear import 7 homolog (S. cerevisiae)	4.88	2.38	0.00
A_51_P150195	NM_028860	Mtmt3	74302	myotubularin related protein 3	3.65	2.38	0.01
A_51_P441426	NM_019932	Pf4	56744	platelet factor 4	3.35	2.38	0.01
A_51_P294505	NM_025658	Ms4a4d	66607	membrane-spanning 4-domains, subfamily A, member 4D	4.84	2.38	0.00
A_51_P253547	NM_009984	Ctsl	13039	cathepsin L	7.17	2.38	0.00

A_52_P266132	NM_008013	Fgl2	14190	fibrinogen-like protein 2	3.53	2.38	0.01
A_52_P623682	NA	NA	NA	NA	3.54	2.38	0.01
A_51_P139780	NM_009402	Pglyrp1	21946	peptidoglycan recognition protein 1	3.05	2.38	0.02
A_52_P248483	NM_001044	Zfx	22764	zinc finger protein X-linked	4.40	2.38	0.00
A_51_P115829	NM_025548	Tbcb	66411	tubulin folding cofactor B	4.36	2.38	0.00
A_51_P431554	BC027639	2310004N2	69535	RIKEN cDNA 2310004N24 gene	6.95	2.37	0.00
A_52_P469502	NM_028176	Cda	72269	cytidine deaminase	2.79	2.37	0.05
A_52_P405465	NM_011081	Piga	18700	phosphatidylinositol glycan anchor biosynthesis, class A	4.25	2.37	0.00
A_52_P716675	NA	NA	NA	NA	4.09	2.37	0.00
A_51_P362202	NM_175308	Mobkl2c	100465	MOB1, Mps One Binder kinase activator-like 2C (yeast)	3.24	2.37	0.01
A_51_P292943	NM_007924	Ell	13716	elongation factor RNA polymerase II	4.27	2.37	0.00
A_52_P219314	NM_009499	Vasp	22323	vasodilator-stimulated phosphoprotein	6.50	2.37	0.00
A_52_P542763	NM_025824	Bzw1	66882	basic leucine zipper and W2 domains 1	5.61	2.37	0.00
A_52_P636482	NM_182650	Hnrnpa2b1	53379	heterogeneous nuclear ribonucleoprotein A2/B1	7.28	2.37	0.00
A_52_P85875	NM_026998	Snx6	72183	sorting nexin 6	5.87	2.37	0.00
A_51_P294515	NM_019580	Gde1	56209	glycerophosphodiester phosphodiesterase 1	4.57	2.37	0.00
A_52_P625672	AK039294	Lysmd4	75099	LysM, putative peptidoglycan-binding, domain containing 4	4.82	2.36	0.00
A_51_P254541	NM_007527	Bax	12028	BCL2-associated X protein	5.44	2.36	0.00
A_51_P520310	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	4.52	2.36	0.00
A_51_P275764	NM_019807	Acpp	56318	acid phosphatase, prostate	3.86	2.36	0.00
A_52_P925038	NA	NA	NA	NA	4.53	2.36	0.00
A_52_P467449	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	3.96	2.36	0.00
A_51_P306739	NM_175227	NA	NA	NA	4.82	2.36	0.00
A_52_P302977	NM_001015	Taf9	108143	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	6.23	2.36	0.00
A_51_P287606	NM_028484	1700037C1	73261	RIKEN cDNA 1700037C18 gene	3.27	2.36	0.01
A_52_P516021	BF165830	Ptpn1	19246	protein tyrosine phosphatase, non-receptor type 1	6.08	2.36	0.00
A_52_P498846	AK009963	NA	NA	NA	5.45	2.36	0.00
A_51_P245939	AK051045	Snhg1	83673	small nucleolar RNA host gene (non-protein coding) 1	4.53	2.36	0.00

A_51_P469288	NM_028245	Zfp131	72465	zinc finger protein 131 protein phosphatase 2 (formerly 2A), regulatory subunit	4.22	2.35	0.00
A_51_P301736	NM_028032	Ppp2r2a	71978	B (PR 52), alpha isoform	4.54	2.35	0.00
A_52_P537140	AK047235	Zdhhc24	70605	zinc finger, DHHC domain containing 24	4.25	2.35	0.00
A_51_P417612	NM_008200	NA	NA	NA	3.36	2.35	0.01
A_51_P302576	NM_009259	Spn	20737	sialophorin	4.37	2.35	0.00
A_52_P409601	NM_170701	Cd40	21939	CD40 antigen	3.06	2.35	0.02
A_51_P275077	NM_021332	Glp1r	14652	glucagon-like peptide 1 receptor	2.93	2.35	0.04
A_52_P323621	NA	NA	NA	NA	3.82	2.35	0.00
A_51_P455657	AK014551	Dennd1b	329260	DENN/MADD domain containing 1B	3.62	2.35	0.01
A_51_P189746	NM_145478	Pim3	223775	proviral integration site 3 resistance to inhibitors of cholinesterase 8 homolog (C. elegans)	3.45	2.35	0.01
A_52_P642056	NM_053194	Ric8	101489	elegans)	5.45	2.35	0.00
A_52_P503927	NM_001033	Tmem181a	77106	transmembrane protein 181A STT3, subunit of the oligosaccharyltransferase complex,	4.46	2.35	0.00
A_51_P149621	NM_024222	Stt3b	68292	homolog B (S. cerevisiae)	4.44	2.35	0.00
A_51_P320593	NM_027185	Def6	23853	differentially expressed in FDCP 6	5.19	2.35	0.00
A_52_P272534	NA	NA	NA	NA	5.26	2.35	0.00
A_52_P370476	BC043039	Msl1	74026	male-specific lethal 1 homolog (Drosophila)	4.11	2.35	0.00
A_51_P477121	NM_021451	Pmaip1	58801	phorbol-12-myristate-13-acetate-induced protein 1	3.46	2.35	0.01
A_52_P700067	BG067131	NA	NA	NA	5.98	2.35	0.00
A_51_P297346	NM_029153	Scamp1	107767	secretory carrier membrane protein 1	3.70	2.34	0.01
A_51_P412947	NM_007968	Ewsr1	14030	Ewing sarcoma breakpoint region 1	6.43	2.34	0.00
A_51_P109508	NM_134250	Havcr2	171285	hepatitis A virus cellular receptor 2	6.63	2.34	0.00
A_52_P284658	NM_029976	Cdkn2aipnl	52626	CDKN2A interacting protein N-terminal like	6.45	2.34	0.00
A_52_P329875	NM_008929	Dnajc3	1E+08	Dnaj (Hsp40) homolog, subfamily C, member 3	4.98	2.34	0.00
A_52_P354844	AK029268	Eda2r	245527	ectodysplasin A2 isoform receptor	5.07	2.34	0.00
A_51_P483658	NM_018880	Trim3	55992	tripartite motif-containing 3	3.70	2.34	0.01
A_51_P385099	NM_013693	Tnf	21926	tumor necrosis factor	5.19	2.34	0.00
A_52_P135282	NM_212447	Marveld3	73608	MARVEL (membrane-associating) domain containing 3	4.12	2.34	0.00
A_51_P135944	M92418	Stfa2	20862	stefin A2	5.14	2.34	0.00
A_51_P277994	NM_145227	Oas2	246728	2'-5' oligoadenylate synthetase 2	3.57	2.34	0.01

A_52_P568250	BC056383	Luc7I2	192196	LUC7-like 2 (<i>S. cerevisiae</i>)	4.90	2.34	0.00
A_52_P628060	NM_054043	Msi2	76626	Musashi homolog 2 (<i>Drosophila</i>)	3.71	2.34	0.01
A_51_P178319	NM_029466	Arl5b	75869	ADP-ribosylation factor-like 5B	2.96	2.34	0.03
A_52_P656860	NM_026232	Slc25a30	67554	solute carrier family 25, member 30	4.08	2.34	0.00
A_51_P336385	NM_175551	Dido1	23856	death inducer-obliterator 1	6.98	2.34	0.00
A_52_P413035	NM_013785	Ip6k1	27399	inositol hexaphosphate kinase 1	3.45	2.33	0.01
A_51_P476660	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i>); translocated to, 4	4.69	2.33	0.00
A_52_P415426	NM_029756	Sdccag8	76816	serologically defined colon cancer antigen 8	3.31	2.33	0.01
A_51_P218563	NM_153566	Yrdc	230734	yrdC domain containing (<i>E.coli</i>)	3.64	2.33	0.01
A_51_P488340	NM_016715	Crlf2	57914	cytokine receptor-like factor 2	3.69	2.33	0.01
A_52_P214573	AK003980	Lysmd3	80289	LysM, putative peptidoglycan-binding, domain containing 3	2.84	2.33	0.05
A_52_P244463	AK033828	D16Ert47	67102	DNA segment, Chr 16, ERATO Doi 472, expressed	4.71	2.33	0.00
A_51_P209527	NM_009740	Bcl10	12042	B-cell leukemia/lymphoma 10	3.77	2.33	0.00
A_52_P586391	NA	NA	NA	NA	2.91	2.33	0.04
A_52_P40241	XM_904306	Zfp746	69228	zinc finger protein 746	2.92	2.33	0.04
A_52_P103590	NM_172920	Dpy19l1	244745	dpy-19-like 1 (<i>C. elegans</i>)	3.12	2.33	0.02
A_51_P296866	NM_008629	Msi1	17690	Musashi homolog 1(<i>Drosophila</i>)	4.31	2.33	0.00
A_51_P343833	NM_009421	Traf1	22029	TNF receptor-associated factor 1	5.53	2.32	0.00
A_51_P464633	NM_011233	Rad17	19356	RAD17 homolog (<i>S. pombe</i>)	5.00	2.32	0.00
A_52_P34931	AK049836	Prmt3	71974	protein arginine N-methyltransferase 3	2.95	2.32	0.03
A_51_P180001	BC096465	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	3.87	2.32	0.00
A_51_P468762	NM_198027	Alkbh6	233065	alkB, alkylation repair homolog 6 (<i>E. coli</i>)	4.49	2.32	0.00
A_51_P317618	NM_025795	Ncaph2	52683	non-SMC condensin II complex, subunit H2	6.31	2.32	0.00
A_51_P291347	NM_013614	Odc1	18263	ornithine decarboxylase, structural 1	6.00	2.32	0.00
A_51_P506674	NM_001013	Rpp38	227522	ribonuclease P/MRP 38 subunit (human)	3.92	2.32	0.00
A_52_P149590	NM_144848	Eppk1	223650	epiplakin 1	5.12	2.31	0.00
A_52_P628521	AK045264	B130052P1	105442	RIKEN cDNA B130052P14 gene	3.71	2.31	0.01
A_51_P516860	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	4.45	2.31	0.00
A_51_P341717	AF251703	Cd300lf	246746	CD300 antigen like family member F	4.65	2.31	0.00
A_52_P579640	NM_021511	Rrs1	59014	RRS1 ribosome biogenesis regulator homolog (<i>S. cerevisiae</i>)	3.66	2.31	0.01

A_52_P660385	NM_175113	Trmt6	66926	tRNA methyltransferase 6 homolog (<i>S. cerevisiae</i>)	4.67	2.31	0.00
A_51_P359549	NM_173423	Fem1c	240263	fem-1 homolog c (<i>C.elegans</i>)	4.73	2.31	0.00
A_52_P244064	NM_019803	Ube2g2	22213	ubiquitin-conjugating enzyme E2G 2	4.11	2.31	0.00
				mediator of RNA polymerase II transcription, subunit 10			
A_51_P219433	NM_138596	Med10	28077	homolog (NUT2, <i>S. cerevisiae</i>)	4.94	2.31	0.00
A_51_P289912	XM_203999	Rapgef2	76089	Rap guanine nucleotide exchange factor (GEF) 2	4.54	2.31	0.00
A_51_P202498	NM_009120	Sar1a	20224	SAR1 gene homolog A (<i>S. cerevisiae</i>)	5.14	2.31	0.00
A_51_P216315	NM_027404	Bag5	70369	BCL2-associated athanogene 5	3.02	2.30	0.03
A_51_P236234	NM_011346	Sell	20343	selectin, lymphocyte	5.20	2.30	0.00
A_51_P235687	NM_009663	Alox5ap	11690	arachidonate 5-lipoxygenase activating protein	3.77	2.30	0.00
A_51_P374726	NM_008987	Ptx3	19288	pentraxin related gene	2.77	2.30	0.05
A_52_P668184	NM_025907	Mettl6	67011	methyltransferase like 6	5.72	2.30	0.00
				protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform			
A_51_P125538	NM_017374	Ppp2cb	19053	beta isoform	4.03	2.30	0.00
A_51_P228846	NM_015797	Fbxo6	50762	F-box protein 6	5.62	2.30	0.00
A_51_P508602	NM_009341	Tcp10c	21462	t-complex protein 10c	4.56	2.30	0.00
A_51_P323418	AK036907	NA	NA	NA	3.42	2.30	0.01
A_51_P415220	NM_009517	Zmat3	22401	zinc finger matrin type 3	5.15	2.30	0.00
A_51_P442583	XM_994286	Parp4	328417	poly (ADP-ribose) polymerase family, member 4	3.76	2.30	0.00
A_51_P138952	NM_028815	Cep97	74201	centrosomal protein 97	4.20	2.30	0.00
A_52_P26106	NM_174876	Impg2	224224	interphotoreceptor matrix proteoglycan 2	3.82	2.30	0.00
A_52_P126238	NM_008065	Gabpa	14390	GA repeat binding protein, alpha	3.25	2.30	0.01
A_51_P420698	NM_023662	Pcm1	18536	pericentriolar material 1	3.22	2.29	0.02
A_51_P206585	NM_009821	Runx1	12394	runt related transcription factor 1	4.56	2.29	0.00
A_51_P233059	NM_008477	Ktn1	16709	kinectin 1	5.81	2.29	0.00
A_52_P192566	NM_183165	Pyroxd1	232491	pyridine nucleotide-disulphide oxidoreductase domain 1	4.13	2.29	0.00
A_51_P193669	NM_133801	Gtf2f1	98053	general transcription factor IIF, polypeptide 1	6.12	2.29	0.00
A_52_P251703	D28599	Vcan	13003	versican	4.29	2.29	0.00
A_52_P214897	AK046035	Prkrip1	66801	Prkr interacting protein 1 (IL11 inducible)	2.70	2.29	0.07
A_51_P442933	NM_177275	Amigo3	320844	adhesion molecule with Ig like domain 3	3.85	2.29	0.00
A_51_P329243	NM_178936	Tmem56	99887	transmembrane protein 56	4.05	2.29	0.00

A_51_P189594	NM_029001	Elov17	74559	ELOVL family member 7, elongation of long chain fatty acids (yeast)	3.44	2.29	0.01
A_51_P126177	NM_026160	Map1lc3b	67443	microtubule-associated protein 1 light chain 3 beta	4.84	2.29	0.00
A_51_P115326	NM_011512	Surf4	20932	surfeit gene 4	4.02	2.29	0.00
A_52_P415116	NM_021406	Trem1	58217	triggering receptor expressed on myeloid cells 1	4.06	2.29	0.00
A_51_P200083	NM_023168	Grina	66168	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	6.20	2.29	0.00
A_52_P532880	NA	NA	NA	NA	5.27	2.29	0.00
A_52_P249514	NM_011331	Ccl12	20293	chemokine (C-C motif) ligand 12	3.41	2.29	0.01
A_52_P279852	AK081551	Mrp152	68836	mitochondrial ribosomal protein L52	4.23	2.29	0.00
A_51_P199175	AK002390	2700038G2	67194	RIKEN cDNA 2700038G22 gene	5.75	2.28	0.00
A_52_P245648	NM_008577	Slc3a2	17254	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	5.86	2.28	0.00
A_52_P614731	NM_025278	Gng12	14701	guanine nucleotide binding protein (G protein), gamma 12	3.18	2.28	0.02
A_51_P119460	NM_133196	Cstf2	108062	cleavage stimulation factor, 3' pre-RNA subunit 2	4.68	2.28	0.00
A_51_P438278	AK032239	Mtus2	77521	microtubule associated tumor suppressor candidate 2	3.14	2.28	0.02
A_51_P352981	AK030345	5230400M3	329406	RIKEN cDNA 5230400M03 gene	4.68	2.28	0.00
A_51_P286563	NM_010303	Gna13	14674	guanine nucleotide binding protein, alpha 13	3.43	2.28	0.01
A_51_P259378	NM_030743	Rnf114	81018	ring finger protein 114	4.08	2.28	0.00
A_51_P430766	NM_010548	Il10	16153	interleukin 10	4.15	2.28	0.00
A_52_P429308	NM_025994	Efhd2	27984	EF hand domain containing 2	4.11	2.28	0.00
A_52_P510877	NM_009743	Bcl2l1	12048	BCL2-like 1	3.27	2.28	0.01
A_51_P162326	AK037062	9930105H17	100669	RIKEN cDNA 9930105H17 gene	4.54	2.28	0.00
A_52_P622941	AK034948	Slc25a37	67712	solute carrier family 25, member 37	3.69	2.27	0.01
A_52_P604195	NM_001025	Mbp	17196	myelin basic protein	3.41	2.27	0.01
A_51_P475291	NM_022323	Moap1	64113	modulator of apoptosis 1	4.31	2.27	0.00
A_52_P485450	NM_025418	Vta1	66201	Vps20-associated 1 homolog (<i>S. cerevisiae</i>)	3.28	2.27	0.01
A_52_P174915	NM_010288	Gja1	14609	gap junction protein, alpha 1	3.96	2.27	0.00
A_52_P298854	NM_028244	Rrp1b	72462	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>)	4.05	2.27	0.00

A_51_P413111	AK147389	Ppm1l	242083	protein phosphatase 1 (formerly 2C)-like	3.29	2.27	0.01
A_51_P116309	NM_173001	Kdm3a	104263	lysine (K)-specific demethylase 3A	2.85	2.27	0.05
A_52_P508397	AK140938	1810026B0	69170	RIKEN cDNA 1810026B05 gene	3.92	2.27	0.00
A_52_P220176	NM_015814	Dkk3	50781	dickkopf homolog 3 (<i>Xenopus laevis</i>)	4.51	2.27	0.00
A_51_P247249	NM_009662	Alox5	11689	arachidonate 5-lipoxygenase	3.71	2.27	0.01
A_52_P635776	NM_019693	Bat1a	53817	HLA-B-associated transcript 1A	4.11	2.27	0.00
A_51_P115334	NM_011512	Surf4	20932	surfeit gene 4	3.44	2.27	0.01
A_52_P627816	NM_019984	Tgm1	21816	transglutaminase 1, K polypeptide	3.37	2.27	0.01
A_52_P569178	AK030115	Sf3a1	67465	splicing factor 3a, subunit 1	5.12	2.27	0.00
A_52_P358951	AK141740	Zfp26	22688	zinc finger protein 26	5.06	2.27	0.00
A_52_P134906	NM_009677	Ap1g1	11765	adaptor protein complex AP-1, gamma 1 subunit	5.39	2.27	0.00
A_51_P338336	NM_172552	Tdg	21665	thymine DNA glycosylase	3.98	2.27	0.00
A_52_P473172	NA	NA	NA	NA	4.40	2.26	0.00
A_51_P295389	BC047275	Chpf2	100910	chondroitin polymerizing factor 2	3.04	2.26	0.03
A_51_P103659	NM_009450	Tubb2a	22151	tubulin, beta 2A	2.98	2.26	0.03
A_51_P405135	XM_896646	NA	NA	NA	4.05	2.26	0.00
A_51_P213641	NM_001035	Ap2b1	71770	adaptor-related protein complex 2, beta 1 subunit	4.88	2.26	0.00
A_51_P464703	NM_021443	Ccl8	20307	chemokine (C-C motif) ligand 8	6.01	2.26	0.00
A_51_P161429	NM_028965	Snx11	74479	sorting nexin 11	6.18	2.26	0.00
A_52_P636394	NM_172606	6-Mar	223455	membrane-associated ring finger (C3HC4) 6	3.35	2.26	0.01
A_52_P505413	NM_023663	Ripk4	72388	receptor-interacting serine-threonine kinase 4	7.42	2.26	0.00
A_51_P198835	NM_013760	Dnajb9	27362	Dnaj (Hsp40) homolog, subfamily B, member 9	2.85	2.26	0.05
A_51_P282424	NM_025456	Eapp	66266	E2F-associated phosphoprotein	3.71	2.26	0.01
A_52_P638439	NM_001037	NA	NA	NA	4.37	2.26	0.00
A_52_P589321	AK169742	NA	NA	NA	4.26	2.26	0.00
A_51_P314497	NM_133700	Btbd10	68815	BTB (POZ) domain containing 10	4.81	2.25	0.00
A_52_P614198	AK039793	Trav14n-1	1E+08	T cell receptor alpha variable 14N-1	4.27	2.25	0.00
A_51_P176549	NM_019774	Akap8	56399	A kinase (PRKA) anchor protein 8	4.41	2.25	0.00
A_52_P649296	NM_010937	Nras	18176	neuroblastoma ras oncogene	7.16	2.25	0.00
A_52_P537590	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	6.26	2.25	0.00
A_52_P338717	NM_030064	Phf23	78246	PHD finger protein 23	4.65	2.25	0.00
A_51_P327511	NM_008013	Fgl2	14190	fibrinogen-like protein 2	3.50	2.25	0.01
A_52_P309737	AK137262	Cdk12	69131	cyclin-dependent kinase 12	3.21	2.25	0.02

A_52_P569001	BC054531	Atp2a2	11938	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	3.06	2.25	0.02
A_51_P403273	NM_025816	Tax1bp1	52440	Tax1 (human T-cell leukemia virus type I) binding protein 1	2.96	2.25	0.03
A_51_P511375	NM_011240	Ranbp2	19386	RAN binding protein 2	4.03	2.25	0.00
A_51_P390967	NM_021398	Slc43a3	58207	solute carrier family 43, member 3	3.83	2.25	0.00
A_52_P101221	NM_153178	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	3.44	2.25	0.01
A_52_P121703	AK172237	Gm3625	1E+08	predicted gene 3625	3.47	2.25	0.01
A_52_P304128	NM_008608	Mmp14	17387	matrix metalloproteinase 14 (membrane-inserted)	3.92	2.25	0.00
A_51_P223458	NM_025945	Polr3d	67065	polymerase (RNA) III (DNA directed) polypeptide D	4.83	2.24	0.00
A_51_P510817	NM_001025	Camk2d	108058	calcium/calmodulin-dependent protein kinase II, delta	3.58	2.24	0.01
A_51_P249494	NM_016807	Sdcbp	53378	syndecan binding protein	4.74	2.24	0.00
A_51_P258078	NM_138747	Nop2	110109	NOP2 nucleolar protein homolog (yeast)	3.87	2.24	0.00
A_51_P497061	NM_026391	Ppp2r2d	52432	protein phosphatase 2, regulatory subunit B, delta isoform	5.05	2.24	0.00
A_52_P261322	NM_198294	Tanc1	66860	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	3.30	2.24	0.01
A_52_P590740	BC056465	Tle3	21887	transducin-like enhancer of split 3, homolog of <i>Drosophila</i> E(spl)	3.03	2.24	0.03
A_51_P389531	NM_019830	Prmt1	15469	protein arginine N-methyltransferase 1	4.29	2.24	0.00
A_51_P219789	NM_010392	H2-Q2	15013	histocompatibility 2, Q region locus 2	4.77	2.24	0.00
A_52_P592466	NM_023275	Rhoj	80837	ras homolog gene family, member J	3.74	2.24	0.01
A_51_P454217	NM_019408	Nfkb2	18034	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	2.82	2.24	0.05
A_51_P290231	NM_010480	Hsp90aa1	15519	heat shock protein 90, alpha (cytosolic), class A member 1	4.24	2.24	0.00
A_52_P75465	NM_025638	Gdpd1	66569	glycerophosphodiester phosphodiesterase domain containing 1	3.53	2.23	0.01
A_51_P195506	NM_007778	Csf1	12977	colony stimulating factor 1 (macrophage)	2.94	2.23	0.03
A_52_P127362	NM_029478	Tmem49	75909	transmembrane protein 49	3.85	2.23	0.00
A_52_P681739	NM_178760	Gpr107	277463	G protein-coupled receptor 107	4.54	2.23	0.00

A_51_P408116	AK081783	Il1f9	215257	interleukin 1 family, member 9	4.82	2.23	0.00
A_51_P455807	NM_133838	Ehd4	98878	EH-domain containing 4	3.83	2.23	0.00
A_52_P560817	NM_019774	Akap8	56399	A kinase (PRKA) anchor protein 8	4.00	2.23	0.00
A_51_P412835	NM_007829	Daxx	13163	Fas death domain-associated protein	2.75	2.23	0.06
A_52_P563860	AK036870	Nck1	17973	non-catalytic region of tyrosine kinase adaptor protein 1	2.97	2.23	0.03
A_52_P254231	NM_153566	Yrdc	230734	yrdC domain containing (E.coli)	3.79	2.23	0.00
A_52_P714621	AK008061	2010003D2	76725	RIKEN cDNA 2010003D24 gene	3.14	2.23	0.02
A_51_P307964	NM_010662	Krt13	16663	keratin 13	4.47	2.23	0.00
A_51_P464576	NM_008943	Psen1	19164	presenilin 1	4.68	2.23	0.00
A_51_P485594	NM_025729	Tab3	66724	TGF-beta activated kinase 1/MAP3K7 binding protein 3	4.00	2.23	0.00
A_52_P7041	NM_013614	Odc1	18263	ornithine decarboxylase, structural 1	5.42	2.23	0.00
A_51_P490997	M89786	Gas2l1	78926	growth arrest-specific 2 like 1	3.40	2.23	0.01
A_51_P146149	NM_008437	Napsa	16541	napsin A aspartic peptidase	5.09	2.23	0.00
A_51_P433615	NM_183390	Klhl6	239743	kelch-like 6 (Drosophila)	3.70	2.23	0.01
A_51_P245368	NM_011075	Abcb1b	18669	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	2.78	2.23	0.05
A_51_P183685	NM_033475	Rab34	19376	RAB34, member of RAS oncogene family	3.50	2.22	0.01
A_51_P332952	NM_033398	Jmjd6	107817	jumonji domain containing 6	3.82	2.22	0.00
A_52_P670255	NM_008379	Kpnb1	16211	karyopherin (importin) beta 1	3.61	2.22	0.01
A_52_P354271	NM_026655	2310057M	68277	RIKEN cDNA 2310057M21 gene	4.10	2.22	0.00
A_51_P462751	M79314	Rap1b	215449	RAS related protein 1b	2.91	2.22	0.04
A_51_P400784	NM_001039	Hnrnpa1	15382	heterogeneous nuclear ribonucleoprotein A1	3.33	2.22	0.01
A_51_P505872	XM_194424	NA	NA	NA	2.92	2.22	0.04
A_51_P242634	AF345951	Dusp16	70686	dual specificity phosphatase 16	4.45	2.22	0.00
A_51_P211131	NM_134000	Traf3ip2	103213	TRAF3 interacting protein 2	3.08	2.22	0.02
A_52_P192426	NM_011609	Tnfrsf1a	21937	tumor necrosis factor receptor superfamily, member 1a	6.73	2.22	0.00
A_51_P381440	NM_009555	Zfp40	22700	zinc finger protein 40	2.90	2.22	0.04
A_52_P601497	AK053591	Trim39	79263	tripartite motif-containing 39	4.73	2.22	0.00
A_52_P662025	NM_144834	Serpina10	217847	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	3.51	2.21	0.01
A_51_P304469	NM_011504	Stxbp3a	20912	syntaxin binding protein 3A	3.71	2.21	0.01

A_51_P450924	NM_025882	Pole4	66979	polymerase (DNA-directed), epsilon 4 (p12 subunit)	4.46	2.21	0.00
A_52_P140299	AK049361	Scfd1	76983	Sec1 family domain containing 1	3.98	2.21	0.00
				eukaryotic translation initiation factor 2B, subunit 2			
A_51_P229816	NM_145445	Eif2b2	217715	beta	5.88	2.21	0.00
A_52_P204023	AK005009	Pabpc1	18458	poly(A) binding protein, cytoplasmic 1	6.01	2.21	0.00
A_52_P583728	NM_172276	Sfrs8	231769	splicing factor, arginine/serine-rich 8	2.84	2.21	0.05
A_52_P223333	NM_144860	Mib1	225164	mindbomb homolog 1 (Drosophila)	3.35	2.21	0.01
A_51_P327963	NM_172276	Sfrs8	231769	splicing factor, arginine/serine-rich 8	3.64	2.21	0.01
A_52_P369415	NM_207649	Rcan2	53901	regulator of calcineurin 2	4.52	2.21	0.00
A_52_P582000	NA	NA	NA	NA	7.18	2.21	0.00
A_52_P202358	D13802	Runx1	12394	runt related transcription factor 1	3.78	2.21	0.00
A_51_P242967	NM_021308	Piwil2	57746	piwi-like homolog 2 (Drosophila)	4.60	2.20	0.00
A_51_P193813	NM_010196	Fga	14161	fibrinogen alpha chain	3.53	2.20	0.01
A_52_P519882	NM_144866	Etf1	225363	eukaryotic translation termination factor 1	3.24	2.20	0.01
A_51_P124719	NM_001025	Ccdc93	70829	coiled-coil domain containing 93	7.02	2.20	0.00
A_52_P621603	NM_009450	Tubb2a	22151	tubulin, beta 2A	3.36	2.20	0.01
A_52_P636050	NM_025663	Gpatch4	66614	G patch domain containing 4	3.50	2.20	0.01
A_51_P199314	AK164568	Slc38a2	67760	solute carrier family 38, member 2	2.75	2.20	0.06
A_52_P448648	NM_021411	Rab37	58222	RAB37, member of RAS oncogene family	5.01	2.20	0.00
A_52_P464346	XM_888686	NA	NA	NA	4.00	2.20	0.00
				eukaryotic translation initiation factor 2, subunit 2			
A_52_P107354	NM_026030	Eif2s2	67204	(beta)	4.57	2.20	0.00
A_52_P574214	NM_028244	Rrp1b	72462	ribosomal RNA processing 1 homolog B (S. cerevisiae)	2.78	2.20	0.05
A_51_P381150	NM_199299	Phf15	76901	PHD finger protein 15	3.38	2.20	0.01
A_51_P419246	AK158034	5830416P1	381232	RIKEN cDNA 5830416P10 gene	4.64	2.20	0.00
A_52_P78033	AK005166	Ip6k2	76500	inositol hexaphosphate kinase 2	4.01	2.20	0.00
				tetratricopeptide repeat, ankyrin repeat and coiled-coil			
A_52_P386558	AK019982	Tanc2	77097	containing 2	2.74	2.19	0.06
A_52_P512817	NM_025858	Shisa5	66940	shisa homolog 5 (Xenopus laevis)	4.27	2.19	0.00
A_52_P83888	AK053567	Cflar	12633	CASP8 and FADD-like apoptosis regulator	3.04	2.19	0.03
				nuclear factor of kappa light polypeptide gene enhancer			
A_51_P235123	NM_008690	Nfkbie	18037	in B-cells inhibitor, epsilon	3.04	2.19	0.02

A_51_P101196	NM_011189	Psme1	19186	proteasome (prosome, macropain) 28 subunit, alpha	5.06	2.19	0.00
A_52_P463109	NM_001039	Nolc1	70769	nucleolar and coiled-body phosphoprotein 1	3.38	2.19	0.01
A_51_P347547	NM_013692	Klf10	21847	Kruppel-like factor 10	3.38	2.19	0.01
A_52_P489385	XM_885832	NA	NA	NA	3.72	2.19	0.01
A_51_P482925	NM_175363	Pphln1	223828	periphilin 1	4.67	2.19	0.00
A_52_P469842	NM_010786	Mdm2	17246	transformed mouse 3T3 cell double minute 2	4.49	2.18	0.00
A_51_P462153	NM_022314	Tpm3	59069	tropomyosin 3, gamma	4.13	2.18	0.00
A_52_P319591	NM_017477	Copg	54161	coatamer protein complex, subunit gamma	3.50	2.18	0.01
A_52_P41985	NM_009070	Rnps1	19826	ribonucleic acid binding protein S1	3.73	2.18	0.01
A_52_P352541	AK132930	Zfp389	1E+08	zinc finger protein 389	4.66	2.18	0.00
A_51_P369862	NM_178772	Nceh1	320024	arylacetamide deacetylase-like 1	3.45	2.18	0.01
A_52_P305851	NM_025880	2410002F2	668661	RIKEN cDNA 2410002F23 gene	3.61	2.18	0.01
A_51_P274992	NM_026578	Gar1	68147	GAR1 ribonucleoprotein homolog (yeast)	3.98	2.18	0.00
A_52_P395290	NM_028814	2810403AC	74200	RIKEN cDNA 2810403A07 gene	2.97	2.18	0.03
A_52_P1034794	AK017390	5430434G	171385	RIKEN cDNA 5430434G16 gene	2.99	2.18	0.03
A_51_P305770	NM_145158	Emilin2	246707	elastin microfibril interfacier 2	3.45	2.18	0.01
A_52_P374897	NM_009705	Arg2	11847	arginase type II	5.29	2.18	0.00
A_51_P219291	NM_172410	Nup93	71805	nucleoporin 93	4.48	2.18	0.00
A_52_P526677	BC085163	Fam120b	67544	family with sequence similarity 120, member B	4.27	2.17	0.00
A_52_P592120	NM_027569	Spag9	70834	sperm associated antigen 9	2.81	2.17	0.05
A_52_P287887	BB142853	9930017N2	320403	RIKEN cDNA 9930017N22 gene	2.88	2.17	0.04
A_52_P267275	AK018401	Alpk1	71481	alpha-kinase 1	5.66	2.17	0.00
A_52_P210893	NM_019980	Litaf	56722	LPS-induced TN factor	3.19	2.17	0.02
A_52_P50496	AK168517	H2-K1	14972	histocompatibility 2, K1, K region	4.45	2.17	0.00
A_51_P192429	NM_021343	Spata5	57815	spermatogenesis associated 5	3.43	2.17	0.01
A_52_P1189114	NA	NA	NA	NA	4.41	2.17	0.00
A_52_P350519	NM_008199	H2-BI	14963	histocompatibility 2, blastocyst	3.37	2.17	0.01
A_52_P390227	NM_027144	Arhgef12	69632	Rho guanine nucleotide exchange factor (GEF) 12	4.33	2.17	0.00
A_52_P643784	NM_013745	Nufip1	27275	nuclear fragile X mental retardation protein interacting protein 1	3.32	2.17	0.01
A_52_P603668	NM_025446	Aig1	66253	androgen-induced 1	4.31	2.17	0.00
A_52_P20966	NM_010448	Hnrnpab	15384	heterogeneous nuclear ribonucleoprotein A/B	3.76	2.17	0.00
A_52_P18559	BC019206	Sbno2	216161	strawberry notch homolog 2 (Drosophila)	3.75	2.17	0.00

A_52_P594255	NA	NA	NA	NA		3.32	2.17	0.01
A_52_P370473	BC043039	Msl1	74026	male-specific lethal 1 homolog (Drosophila)		4.71	2.17	0.00
A_51_P467284	NM_008561	Mc3r	17201	melanocortin 3 receptor		2.92	2.16	0.04
A_52_P617963	NM_178729	Fbxl5	242960	F-box and leucine-rich repeat protein 5		3.01	2.16	0.03
A_51_P264468	NM_145975	Ddx46	212880	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 deoxynucleotidyltransferase, terminal, interacting		4.20	2.16	0.00
A_51_P426633	NM_153806	Dnttip2	99480	protein 2		4.50	2.16	0.00
A_51_P381260	NM_008761	Fxyd5	18301	FXVD domain-containing ion transport regulator 5		4.68	2.16	0.00
A_52_P199776	BC046478	Snhg7	72091	small nucleolar RNA host gene (non-protein coding) 7 calcium/calmodulin-dependent protein kinase kinase 1, alpha		4.95	2.16	0.00
A_51_P208330	NM_018883	Camkk1	55984	ARV1 homolog (yeast)		4.83	2.16	0.00
A_52_P571938	NM_026855	Arv1	68865	RAP1 GTPase activating protein 2		2.92	2.16	0.04
A_52_P39756	NM_001015	Rap1gap2	380711	golgi autoantigen, golgin subfamily a, 5		5.14	2.16	0.00
A_52_P426517	NM_013747	Golga5	27277	RIKEN cDNA 2310035K24 gene		2.81	2.16	0.05
A_51_P454002	NM_027129	2310035K2	69596	RIKEN cDNA 5730416F02 gene		3.31	2.16	0.01
A_52_P110070	AK017567	5730416F0	70550	Harvey rat sarcoma oncogene, subgroup R		4.04	2.16	0.00
A_52_P635182	NM_009101	Rras	20130	Jun dimerization protein 2		5.40	2.16	0.00
A_51_P254646	NM_030887	Jdp2	81703	leptin receptor overlapping transcript-like 1 adaptor protein, phosphotyrosine interaction, PH		4.75	2.16	0.00
A_51_P482940	NM_026609	Leprotl1	68192	domain and leucine zipper containing 1		4.10	2.16	0.00
A_51_P167857	NM_145221	Appl1	72993	pyruvate dehydrogenase kinase, isoenzyme 3		3.84	2.16	0.00
A_52_P99622	NM_145630	Pdk3	236900	Rho GDP dissociation inhibitor (GDI) alpha		5.34	2.16	0.00
A_52_P419405	NM_133796	Arhgdia	192662	tumor necrosis factor receptor superfamily, member 21		4.95	2.15	0.00
A_51_P168762	NM_178589	Tnfrsf21	94185	NA		4.13	2.15	0.00
A_52_P704340	NA	NA	NA	NA		4.81	2.15	0.00
A_52_P642736	NA	NA	NA	NA		4.60	2.15	0.00
A_51_P228574	NM_146214	Tat	234724	tyrosine aminotransferase		2.99	2.15	0.03
A_52_P418494	NM_028447	Prrc1	73137	proline-rich coiled-coil 1		4.10	2.15	0.00
A_52_P271528	NM_019976	Psrc1	56742	proline/serine-rich coiled-coil 1		4.38	2.15	0.00
A_52_P374825	NA	NA	NA	NA		3.02	2.15	0.03
A_52_P448994	AK086129	Col4a1	12826	collagen, type IV, alpha 1		3.07	2.15	0.02

A_51_P114577	AK161172	Parm1	231440	prostate androgen-regulated mucin-like protein 1	5.67	2.15	0.00
A_51_P179131	AK157021	Vasp	22323	vasodilator-stimulated phosphoprotein	4.60	2.15	0.00
A_51_P487073	NM_138684	Wfdc12	192200	WAP four-disulfide core domain 12	3.26	2.14	0.01
A_52_P671661	NM_026453	Mak16	67920	MAK16 homolog (<i>S. cerevisiae</i>)	3.39	2.14	0.01
A_51_P224980	NM_145972	BC027231	212547	cDNA sequence BC027231	3.59	2.14	0.01
A_51_P462047	NM_172697	Prpf38a	230596	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	3.13	2.14	0.02
A_51_P103007	NM_008401	Itgam	16409	integrin alpha M	6.64	2.14	0.00
A_52_P151974	AK017285	Clcn5	12728	chloride channel 5	4.13	2.14	0.00
A_51_P419263	NM_026440	Rnmt	67897	RNA (guanine-7-) methyltransferase	4.68	2.14	0.00
A_52_P183181	NM_001038	Adar	56417	adenosine deaminase, RNA-specific	3.82	2.14	0.00
A_51_P242027	NM_018753	Ywhab	54401	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	4.62	2.14	0.00
A_52_P876218	NM_011406	Slc8a1	20541	solute carrier family 8 (sodium/calcium exchanger), member 1	2.98	2.14	0.03
A_52_P201337	NM_010900	Nfatc2ip	18020	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein	3.14	2.14	0.02
A_52_P286543	NM_019927	Arih1	23806	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (<i>Drosophila</i>)	4.09	2.14	0.00
A_51_P265026	NM_010872	Naip2	17948	NLR family, apoptosis inhibitory protein 2	3.05	2.14	0.02
A_51_P175552	NM_134058	Pelo	105083	pelota homolog (<i>Drosophila</i>)	4.47	2.14	0.00
A_52_P132055	NM_021293	Cd33	12489	CD33 antigen	3.87	2.14	0.00
A_51_P176341	NM_028769	Syvn1	74126	synovial apoptosis inhibitor 1, synoviolin	3.60	2.14	0.01
A_51_P316993	NM_019717	Atl2	56298	atlastin GTPase 2	2.71	2.14	0.07
A_51_P394387	NM_024254	2410042D2	72425	RIKEN cDNA 2410042D21 gene	3.28	2.13	0.01
A_52_P526265	AK220207	Wdr73	71968	WD repeat domain 73	5.84	2.13	0.00
A_52_P566348	NM_010937	Nras	18176	neuroblastoma ras oncogene	5.00	2.13	0.00
A_51_P130803	BC037041	Ncrna0008	66360	non-protein coding RNA 81	3.69	2.13	0.01
A_52_P72497	NM_133225	Acbd3	170760	acyl-Coenzyme A binding domain containing 3	5.34	2.13	0.00
A_51_P392518	NM_145585	Thumpd1	233802	THUMP domain containing 1	3.98	2.13	0.00
A_52_P329881	NM_008929	Dnajc3	1E+08	Dnal (Hsp40) homolog, subfamily C, member 3	4.29	2.13	0.00
A_51_P517105	NM_012054	Aoah	27052	acyloxyacyl hydrolase	4.95	2.13	0.00

A_52_P252305	NM_028527	170004711	73385	RIKEN cDNA 1700047117 gene 1	4.15	2.13	0.00
A_51_P455027	NM_026932	Ebna1bp2	69072	EBNA1 binding protein 2	4.63	2.13	0.00
A_52_P311148	AK012141	2410002O2	66975	RIKEN cDNA 2410002O22 gene	4.33	2.13	0.00
A_51_P415225	NM_009544	Zfp105	22646	zinc finger protein 105	6.50	2.13	0.00
A_52_P142412	XM_985015	5830409B0	76020	RIKEN cDNA 5830409B07 gene	3.10	2.13	0.02
A_52_P337821	AK139584	Eif1a	13664	eukaryotic translation initiation factor 1A	3.35	2.13	0.01
A_52_P460393	NM_146232	BC014805	236149	cDNA sequence BC014805	2.88	2.13	0.04
A_52_P370402	NM_019715	Kcmf1	74287	potassium channel modulatory factor 1	3.55	2.13	0.01
A_51_P331841	NM_175369	Ccdc122	108811	coiled-coil domain containing 122	3.89	2.13	0.00
A_51_P220370	NM_133751	NA	NA	NA	3.00	2.12	0.03
A_51_P514584	NM_001017	Tbata	65971	thymus, brain and testes associated	3.28	2.12	0.01
A_52_P176234	NM_011240	Ranbp2	19386	RAN binding protein 2	2.85	2.12	0.05
A_52_P326214	NM_007803	Ctnn	13043	cortactin	3.30	2.12	0.01
A_52_P674847	NM_013727	Azi2	27215	5-azacytidine induced gene 2	3.11	2.12	0.02
A_52_P558411	NM_010833	Msn	17698	moesin	4.09	2.12	0.00
A_51_P293069	XM_619720	NA	NA	NA	3.23	2.12	0.02
A_51_P331215	AK034732	Prmt6	99890	protein arginine N-methyltransferase 6	4.72	2.12	0.00
A_51_P406315	NM_009962	Gpr44	14764	G protein-coupled receptor 44	4.52	2.12	0.00
A_51_P108891	NM_013745	Nufip1	27275	nuclear fragile X mental retardation protein interacting protein 1	3.07	2.12	0.02
A_51_P190277	NM_053074	Nup62	18226	nucleoporin 62	4.02	2.12	0.00
A_51_P268934	NM_153142	Slc35e4	103710	solute carrier family 35, member E4	4.31	2.12	0.00
A_51_P259995	NM_026453	Mak16	67920	MAK16 homolog (<i>S. cerevisiae</i>)	3.99	2.12	0.00
A_52_P194929	XM_109726	NA	NA	NA	3.05	2.12	0.02
A_51_P419959	NM_028932	Eaf1	74427	ELL associated factor 1	3.44	2.12	0.01
A_52_P6070	NM_027627	4931408A0	70967	RIKEN cDNA 4931408A02 gene	4.41	2.12	0.00
A_52_P133594	NM_009778	C3	12266	complement component 3	4.32	2.12	0.00
A_51_P191021	NM_010472	Agfg1	15463	ArfGAP with FG repeats 1	4.06	2.12	0.00
A_51_P220806	NM_008110	Gdf9	14566	growth differentiation factor 9	5.42	2.12	0.00
A_52_P19016	NM_016680	Sfrs16	53609	splicing factor, arginine/serine-rich 16	3.24	2.11	0.01
A_52_P106739	NM_145975	Ddx46	212880	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	4.68	2.11	0.00
A_51_P516625	NM_008090	Gata2	14461	GATA binding protein 2	6.27	2.11	0.00
A_52_P565396	XM_992322	LOC676708	676708	similar to H-2 class I histocompatibility antigen, L-D alpha chain precursor	3.74	2.11	0.01

A_51_P276652	NM_029397	Rbm12	75710	RNA binding motif protein 12	3.00	2.11	0.03
A_51_P178411	NA	NA	NA	NA	3.46	2.11	0.01
A_51_P352875	NM_010696	Lcp2	16822	lymphocyte cytosolic protein 2	3.61	2.11	0.01
A_51_P390387	AK086718	Zmynd19	67187	zinc finger, MYND domain containing 19	5.71	2.11	0.00
A_52_P641922	NM_172501	Nhlrc3	212114	NHL repeat containing 3	3.93	2.11	0.00
A_52_P660142	XM_484715	Sft2d3	67158	SFT2 domain containing 3	3.06	2.11	0.02
A_51_P192817	NM_026816	Gtf2f2	68705	general transcription factor IIF, polypeptide 2	4.10	2.11	0.00
A_51_P433000	AK008733	Chmp4c	66371	chromatin modifying protein 4C	4.03	2.11	0.00
A_52_P203031	NM_024457	Rap1b	215449	RAS related protein 1b	4.14	2.11	0.00
A_52_P451485	NM_172496	Cobl	12808	cordon-bleu	3.12	2.11	0.02
A_51_P323531	XM_133423	NA	NA	NA	2.93	2.11	0.04
A_52_P3276	NM_027519	633040611	70717	RIKEN cDNA 6330406115 gene protein phosphatase 2 (formerly 2A), regulatory subunit	4.34	2.10	0.00
A_52_P206627	NM_028032	Ppp2r2a	71978	B (PR 52), alpha isoform	2.87	2.10	0.05
A_51_P225781	NM_173767	Insc	233752	inscuteable homolog (Drosophila)	3.16	2.10	0.02
A_52_P500979	NM_013628	Pcsk1	18548	proprotein convertase subtilisin/kexin type 1	2.87	2.10	0.04
A_51_P507801	NM_028784	F13a1	74145	coagulation factor XIII, A1 subunit	3.38	2.10	0.01
A_52_P2923	NM_019581	Gtpbp2	56055	GTP binding protein 2	4.93	2.10	0.00
A_52_P135707	NM_013497	Creb3	12913	cAMP responsive element binding protein 3	3.25	2.10	0.01
A_52_P488220	NM_009007	Rac1	19353	RAS-related C3 botulinum substrate 1	3.75	2.10	0.01
A_52_P522023	AK146582	Alkbh1	211064	alkB, alkylation repair homolog 1 (E. coli)	4.83	2.10	0.00
A_52_P32249	NM_019464	Sh3glb1	54673	SH3-domain GRB2-like B1 (endophilin)	3.54	2.10	0.01
A_52_P147487	NM_007731	Col13a1	12817	collagen, type XIII, alpha 1	5.40	2.10	0.00
A_51_P213766	NM_013785	Ip6k1	27399	inositol hexaphosphate kinase 1	3.21	2.09	0.02
A_52_P109740	NA	NA	NA	NA	2.75	2.09	0.06
A_51_P346453	NM_153570	Noc4l	100608	nucleolar complex associated 4 homolog (S. cerevisiae)	4.69	2.09	0.00
A_52_P168962	NM_007646	Cd38	12494	CD38 antigen	4.52	2.09	0.00
A_51_P511529	NM_175311	Zfp513	101023	zinc finger protein 513	4.58	2.09	0.00
A_52_P171791	NM_001031	Smg1	233789	SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans) vesicle transport through interaction with t-SNAREs	3.05	2.09	0.02
A_52_P283087	AK015010	Vti1a	53611	homolog 1A (yeast)	3.58	2.09	0.01
A_52_P110877	NM_011853	NA	NA	NA	3.68	2.09	0.01

A_51_P459340	NM_025755	Pacrgl	66768	PARK2 co-regulated-like	4.80	2.09	0.00
A_51_P271563	NM_008442	Kif2a	16563	kinesin family member 2A	3.50	2.08	0.01
A_51_P328613	NM_010188	Fcgr3	14131	Fc receptor, IgG, low affinity III	2.79	2.08	0.05
A_51_P331212	AK034732	Prmt6	99890	protein arginine N-methyltransferase 6	3.00	2.08	0.03
A_51_P443364	NM_134048	Cbll1	104836	Casitas B-lineage lymphoma-like 1	3.41	2.08	0.01
A_51_P176138	BC052229	Fam195b	192173	family with sequence similarity 195, member B	2.84	2.08	0.05
A_52_P44	BC040369	Bcl2l2	12050	BCL2-like 2	3.46	2.08	0.01
A_52_P652164	NM_021305	Sec61a2	57743	Sec61, alpha subunit 2 (<i>S. cerevisiae</i>)	3.98	2.08	0.00
A_51_P306658	NM_133939	Naa38	76522	N(alpha)-acetyltransferase 38, NatC auxiliary subunit	3.85	2.08	0.00
A_52_P512201	NM_175397	Sp110	109032	Sp110 nuclear body protein	3.39	2.08	0.01
A_52_P335478	NM_025882	Pole4	66979	polymerase (DNA-directed), epsilon 4 (p12 subunit)	5.74	2.08	0.00
A_51_P121031	NM_175188	1-Mar	72925	membrane-associated ring finger (C3HC4) 1	3.49	2.08	0.01
A_52_P440508	AK041801	NA	NA	NA	2.79	2.08	0.05
A_51_P407227	NM_153175	Gimap6	231931	GTPase, IMAP family member 6	3.08	2.08	0.02
A_51_P362531	NM_144835	Heatr1	217995	HEAT repeat containing 1	3.83	2.08	0.00
A_51_P338040	NM_146168	Vopp1	232023	vesicular, overexpressed in cancer, prosurvival protein 1	3.46	2.08	0.01
A_51_P324814	NM_010664	Krt18	16668	keratin 18	4.24	2.08	0.00
A_52_P456617	NM_001039	Plekhm3	241075	pleckstrin homology domain containing, family M, member 3	3.36	2.08	0.01
A_52_P373973	NM_001039	Mex3c	240396	mex3 homolog C (<i>C. elegans</i>)	2.98	2.08	0.03
A_51_P506792	NM_001025	Tpd52	21985	tumor protein D52	5.74	2.08	0.00
A_51_P266668	NM_175403	Mlec	109154	malectin	4.66	2.08	0.00
A_52_P659917	NM_173423	Fem1c	240263	fem-1 homolog c (<i>C.elegans</i>)	4.18	2.08	0.00
A_51_P496273	NM_023502	Elf2	69257	E74-like factor 2	3.11	2.07	0.02
A_51_P310773	BC004022	N4bp1	80750	NEDD4 binding protein 1	3.79	2.07	0.00
A_51_P193894	NM_027375	Gcc2	70297	GRIP and coiled-coil domain containing 2	2.90	2.07	0.04
A_51_P354572	NM_198163	Rab35	77407	RAB35, member RAS oncogene family	3.45	2.07	0.01
A_51_P108108	NM_153074	Lrrc25	211228	leucine rich repeat containing 25	3.46	2.07	0.01
A_51_P216905	NM_007438	Aldoa	11674	aldolase A, fructose-bisphosphate	3.37	2.07	0.01
A_51_P359259	NM_027569	Spag9	70834	sperm associated antigen 9	2.79	2.07	0.05

A_51_P389814	NM_011349	Sema3f	20350	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	3.27	2.07	0.01
A_51_P136845	NM_027804	Usp19	71472	ubiquitin specific peptidase 19	5.79	2.07	0.00
A_52_P273929	NM_025301	Mrpl17	27397	mitochondrial ribosomal protein L17	3.32	2.07	0.01
A_51_P416556	NM_026155	Ssr3	67437	signal sequence receptor, gamma	4.14	2.07	0.00
A_52_P556281	BC048176	G3bp2	23881	GTPase activating protein (SH3 domain) binding protein 2	3.52	2.07	0.01
A_52_P299283	NA	NA	NA	NA	3.48	2.07	0.01
A_52_P573366	NM_178089	Hnrnpul1	232989	heterogeneous nuclear ribonucleoprotein U-like 1	3.41	2.07	0.01
A_51_P292116	NM_010492	Ica1	15893	islet cell autoantigen 1	3.25	2.07	0.01
A_52_P254275	NM_144515	Zfp52	22710	zinc finger protein 52	3.62	2.07	0.01
A_51_P324583	BC060071	NA	NA	NA	3.52	2.07	0.01
A_51_P235117	NM_144530	Zc3h11a	70579	zinc finger CCCH type containing 11A	2.82	2.07	0.05
A_51_P125117	NM_025390	Pop4	66161	processing of precursor 4, ribonuclease P/MRP family, (S. cerevisiae)	3.73	2.06	0.01
A_52_P908952	XM_979235	EG665756	665756	predicted gene, EG665756	4.76	2.06	0.00
A_51_P118945	AF054581	Il2ra	16184	interleukin 2 receptor, alpha chain	5.03	2.06	0.00
A_51_P473953	XM_887737	NA	NA	NA	3.49	2.06	0.01
A_52_P583399	NA	NA	NA	NA	2.99	2.06	0.03
A_52_P512553	AK131109	Atg16l2	73683	autophagy related 16 like 2 (S. cerevisiae)	3.07	2.06	0.02
A_51_P506236	NM_016691	Clcn5	12728	chloride channel 5	4.28	2.06	0.00
A_51_P259459	NM_010908	Nfkbib	18036	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	3.20	2.06	0.02
A_52_P1077539	NA	NA	NA	NA	2.94	2.06	0.04
A_51_P311125	NM_024250	Phf10	72057	PHD finger protein 10	4.15	2.06	0.00
A_52_P542912	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	3.70	2.06	0.01
A_51_P490023	NM_009450	Tubb2a	22151	tubulin, beta 2A	3.03	2.06	0.03
A_51_P307150	NM_008324	Ido1	15930	indoleamine 2,3-dioxygenase 1	3.91	2.06	0.00
A_52_P480301	NM_029012	Sppl3	74585	signal peptide peptidase 3	3.29	2.06	0.01
A_52_P15616	BC028949	Gm9222	668525	predicted gene 9222	2.82	2.06	0.05
A_52_P690855	NM_199312	BC051628	332713	cDNA sequence BC051628	4.29	2.06	0.00
A_51_P331805	NM_146188	Kctd15	233107	potassium channel tetramerisation domain containing 15	5.49	2.06	0.00

A_52_P522210	NM_183428	Epb4.1	269587	erythrocyte protein band 4.1	3.36	2.06	0.01
A_51_P427530	NM_025700	Pgm1	66681	phosphoglucomutase 1	3.02	2.06	0.03
A_51_P184773	NM_011715	Wdr1	22388	WD repeat domain 1	3.66	2.05	0.01
A_51_P227929	NM_199032	Cep135	381644	centrosomal protein 135	3.30	2.05	0.01
A_51_P300281	NM_009898	Coro1a	12721	coronin, actin binding protein 1A	3.71	2.05	0.01
A_52_P446181	NM_175163	Zfp689	71131	zinc finger protein 689	4.59	2.05	0.00
A_52_P438919	NM_001011	Olfir524	258055	olfactory receptor 524	4.50	2.05	0.00
A_52_P299771	NM_007535	Bcl2a1c	12046	B-cell leukemia/lymphoma 2 related protein A1c	3.57	2.05	0.01
A_51_P355987	NM_178029	Setd1a	233904	SET domain containing 1A	4.47	2.05	0.00
A_51_P453010	NM_026758	Mphosph6	68533	M phase phosphoprotein 6	3.10	2.05	0.02
A_52_P385615	NM_026043	Rnpc3	67225	RNA-binding region (RNP1, RRM) containing 3	2.92	2.05	0.04
A_51_P516756	NM_010434	Hipk3	15259	homeodomain interacting protein kinase 3	3.10	2.05	0.02
A_52_P500488	BC052715	Lars	107045	leucyl-tRNA synthetase	2.97	2.05	0.03
A_51_P196629	XM_283903	Fam102b	329739	family with sequence similarity 102, member B	3.49	2.05	0.01
A_51_P116616	NM_019869	Rbm14	56275	RNA binding motif protein 14	2.76	2.05	0.06
A_51_P146753	NM_007781	Csf2rb2	12984	colony stimulating factor 2 receptor, beta 2, low-affinity (granulocyte-macrophage)	3.68	2.05	0.01
A_52_P528312	NA	NA	NA	NA	3.65	2.05	0.01
A_51_P120948	NM_028288	Cul4b	72584	cullin 4B	3.24	2.05	0.01
A_51_P359017	NM_011841	Mapk7	23939	mitogen-activated protein kinase 7	3.58	2.05	0.01
A_52_P574653	NM_007544	Bid	12122	BH3 interacting domain death agonist	3.94	2.05	0.00
A_52_P654161	NM_009546	Trim25	217069	tripartite motif-containing 25	4.57	2.05	0.00
A_52_P12869	AB029144	Psm4	19185	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	3.85	2.05	0.00
A_52_P73307	NM_134092	Mtbp	105837	Mdm2, transformed 3T3 cell double minute p53 binding protein	2.90	2.04	0.04
A_51_P517695	NM_008530	Ly6f	17071	lymphocyte antigen 6 complex, locus F	6.36	2.04	0.00
A_52_P331901	NM_023815	Trp53rk	76367	transformation related protein 53 regulating kinase	4.14	2.04	0.00
A_51_P121793	NM_008891	Pnn	18949	pinin	3.37	2.04	0.01
A_51_P501453	NM_022430	Ms4a8a	64381	membrane-spanning 4-domains, subfamily A, member 8A	2.85	2.04	0.05
A_51_P494006	BC075621	Rbm16	106583	RNA binding motif protein 16	3.56	2.04	0.01

A_51_P433960	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	3.92	2.04	0.00
A_51_P437847	BC087623	Kctd1	106931	potassium channel tetramerisation domain containing 1	3.43	2.04	0.01
A_51_P473252	NM_011777	Zyx	22793	zyxin	3.14	2.04	0.02
A_51_P312310	NM_134092	Mtbp	105837	Mdm2, transformed 3T3 cell double minute p53 binding protein	2.94	2.04	0.04
A_51_P172589	AK004627	1200007C1	74119	RIKEN cDNA 1200007C13 gene	4.86	2.04	0.00
A_52_P281679	AK004214	Gmeb1	56809	glucocorticoid modulatory element binding protein 1	2.87	2.03	0.04
A_51_P475672	AK137576	Slc7a1	11987	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	3.37	2.03	0.01
A_51_P455632	NM_172675	Stx16	228960	syntaxin 16	3.07	2.03	0.02
A_51_P238357	NM_019549	Plek	56193	pleckstrin	3.82	2.03	0.00
A_52_P597800	NM_007961	Etv6	14011	ets variant gene 6 (TEL oncogene)	3.54	2.03	0.01
A_51_P395743	NM_029773	Spopl	76857	speckle-type POZ protein-like	4.20	2.03	0.00
A_52_P363216	NM_133219	Gcnt2	14538	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	2.86	2.03	0.05
A_51_P355852	NM_008856	Prkch	18755	protein kinase C, eta	3.25	2.03	0.01
A_51_P419147	NM_134152	Lpxn	107321	leupaxin	4.72	2.03	0.00
A_52_P527874	NM_199447	Rrp12	107094	ribosomal RNA processing 12 homolog (<i>S. cerevisiae</i>)	3.25	2.03	0.01
A_52_P193657	NM_175026	Pyhin1	236312	pyrin and HIN domain family, member 1	4.04	2.03	0.00
A_52_P370560	NM_011690	Vars	22321	valyl-tRNA synthetase	2.87	2.03	0.04
A_51_P400659	NM_007530	Bcap29	12033	B-cell receptor-associated protein 29	3.87	2.03	0.00
A_52_P556290	NM_019927	Arih1	23806	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (<i>Drosophila</i>)	2.92	2.03	0.04
A_52_P329367	NM_001025	Chka	12660	choline kinase alpha	2.74	2.03	0.07
A_51_P114941	NM_007819	Cyp3a13	13113	cytochrome P450, family 3, subfamily a, polypeptide 13	3.15	2.03	0.02
A_52_P535907	NM_145943	BC031781	208768	cDNA sequence BC031781	2.86	2.02	0.05
A_52_P859659	AK051538	NA	NA	NA	3.54	2.02	0.01
A_51_P378009	NM_025505	Blzf1	66352	basic leucine zipper nuclear factor 1	4.24	2.02	0.00

A_52_P229709	NM_025356	Ube2d3	66105	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	3.18	2.02	0.02
A_52_P309223	AK083420	Gpbp1	73274	GC-rich promoter binding protein 1	3.57	2.02	0.01
A_51_P282268	NM_178392	Snapc1	75627	small nuclear RNA activating complex, polypeptide 1	2.80	2.02	0.05
A_52_P483305	NM_145374	Mios	252875	missing oocyte, meiosis regulator, homolog (Drosophila)	2.98	2.02	0.03
A_51_P445392	NM_175127	Fbxo28	67948	F-box protein 28	3.31	2.02	0.01
A_52_P622397	NM_177005	Glt1d1	319804	glycosyltransferase 1 domain containing 1	3.53	2.02	0.01
A_52_P274315	NM_175335	Gtf2a1	83602	general transcription factor II A, 1	4.18	2.02	0.00
A_51_P417107	NM_009558	Zfp51	22709	zinc finger protein 51	4.20	2.02	0.00
A_52_P658465	XM_001004	NA	NA	NA	4.75	2.02	0.00
A_51_P394065	NM_007840	Ddx5	13207	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	3.93	2.02	0.00
A_51_P330125	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (S. cerevisiae)	2.88	2.02	0.04
A_52_P406216	NA	NA	NA	NA	5.62	2.02	0.00
A_52_P676913	NM_010817	Psmc7	17463	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	3.88	2.02	0.00
A_51_P252363	NM_133887	Stx12	100226	syntaxin 12	4.53	2.02	0.00
A_52_P403827	NM_172829	St6gal2	240119	beta galactoside alpha 2,6 sialyltransferase 2	4.19	2.01	0.00
A_52_P343856	NM_178661	Creb3l2	208647	cAMP responsive element binding protein 3-like 2	3.59	2.01	0.01
A_52_P451796	NM_021890	Fads3	60527	fatty acid desaturase 3	4.83	2.01	0.00
A_52_P163766	NM_011596	Atp6v0a2	21871	ATPase, H ⁺ transporting, lysosomal V0 subunit A2	3.95	2.01	0.00
A_51_P479390	AK007436	Adamts9	101401	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9	2.98	2.01	0.03
A_51_P186476	NM_013612	Slc11a1	18173	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	2.97	2.01	0.03
A_52_P211393	BC059278	Ptpn11	19247	protein tyrosine phosphatase, non-receptor type 11	2.92	2.01	0.04
A_51_P433338	NM_053180	Cdk20	105278	cyclin-dependent kinase 20	3.55	2.01	0.01
A_51_P296036	NM_144847	Nrbp2	223649	nuclear receptor binding protein 2	4.87	2.01	0.00
A_51_P385718	NM_026862	Cd177	68891	CD177 antigen	2.91	2.01	0.04
A_52_P48546	NM_026259	Rnf41	67588	ring finger protein 41	4.05	2.01	0.00

A_52_P14666	XM_888940	Hnrnpa1l2	544954	heterogeneous nuclear ribonucleoprotein A1-like 2	2.71	2.01	0.07
A_51_P390522	NM_133724	Cno	117197	cappuccino	4.13	2.01	0.00
A_51_P433237	NM_007665	Cdh3	12560	cadherin 3	3.81	2.01	0.00
A_51_P190499	NM_019909	NA	NA	NA	4.31	2.01	0.00
A_51_P214679	BC098509	3110003A1	73112	RIKEN cDNA 3110003A17 gene	2.76	2.01	0.06
A_51_P393524	NM_009070	Rnps1	19826	ribonucleic acid binding protein S1	3.85	2.01	0.00
A_52_P356204	NM_181547	Nostrin	329416	nitric oxide synthase trafficker	3.04	2.01	0.02
A_51_P468126	NM_024468	Trim39	79263	tripartite motif-containing 39	5.29	2.01	0.00
				eukaryotic translation initiation factor 4E binding			
A_51_P330428	NM_007918	Eif4ebp1	13685	protein 1	5.30	2.01	0.00
A_52_P671543	NM_008895	Pomc	18976	pro-opiomelanocortin-alpha	5.71	2.01	0.00
A_52_P226348	AK089514	F730043M:320046		RIKEN cDNA F730043M19 gene	5.39	2.01	0.00
A_51_P464630	NM_011233	Rad17	19356	RAD17 homolog (S. pombe)	5.73	2.01	0.00
A_51_P515585	NM_026017	Dullard	67181	Dullard homolog (Xenopus laevis)	4.54	2.01	0.00
A_52_P631860	NA	NA	NA	NA	4.60	2.00	0.00
A_51_P322972	NM_145419	Hkdc1	216019	hexokinase domain containing 1	3.06	2.00	0.02
A_51_P190667	NM_130860	Cdk9	107951	cyclin-dependent kinase 9 (CDC2-related kinase)	4.41	2.00	0.00
A_52_P94150	AK015074	NA	NA	NA	6.19	2.00	0.00
A_52_P630059	AJ250687	Bag3	29810	BCL2-associated athanogene 3	3.73	2.00	0.01
A_51_P337246	NM_023130	Raly	19383	hnRNP-associated with lethal yellow	3.06	2.00	0.02
A_52_P12283	NM_026201	Ccar1	67500	cell division cycle and apoptosis regulator 1	3.25	2.00	0.01
A_51_P325223	NM_011698	Lin7b	22342	lin-7 homolog B (C. elegans)	4.14	2.00	0.00
A_51_P304437	NM_173019	Pfkfb4	270198	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	3.41	2.00	0.01
A_52_P337740	AK030611	NA	NA	NA	3.07	2.00	0.02
A_52_P149163	AK146784	Mark4	232944	MAP/microtubule affinity-regulating kinase 4	3.99	2.00	0.00
A_52_P818682	AK020546	9530006C2	77393	RIKEN cDNA 9530006C21 gene	3.61	2.00	0.01
A_52_P452364	NM_023585	Ube2v2	70620	ubiquitin-conjugating enzyme E2 variant 2	5.90	2.00	0.00
A_51_P281134	AB019028	Med14	26896	mediator complex subunit 14	3.88	2.00	0.00
A_52_P578538	NM_001039	NA	NA	NA	3.37	2.00	0.01
A_51_P185757	NM_177569	NA	NA	NA	3.31	2.00	0.01
A_52_P343641	NM_009172	Siah1a	20437	seven in absentia 1A	3.58	2.00	0.01
A_51_P246727	BC067045	MLxip	208104	MLX interacting protein	2.75	2.00	0.06

A_51_P163834	NM_019717	Atl2	56298	atlastin GTPase 2	3.74	2.00	0.01
A_51_P434859	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i>); translocated to, 4	7.70	2.00	0.00
A_52_P59422	NM_001005	Aebp2	11569	AE binding protein 2	3.37	2.00	0.01
A_51_P367772	NM_026157	Mtpap	67440	mitochondrial poly(A) polymerase	4.19	2.00	0.00
A_52_P469782	NM_146228	Als2cl	235633	ALS2 C-terminal like	3.00	2.00	0.03
A_52_P573255	NM_027219	Cdc42ep1	104445	CDC42 effector protein (Rho GTPase binding) 1	3.28	2.00	0.01
A_51_P114177	NM_026947	1810022C2	69123	RIKEN cDNA 1810022C23 gene	3.22	2.00	0.02
A_52_P3383	AK171100	Dlst	78920	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	3.76	1.99	0.00
A_51_P466875	NM_023248	Sbds	66711	Shwachman-Bodian-Diamond syndrome homolog (human)	4.15	1.99	0.00
A_52_P404955	AK012052	Rps19	20085	ribosomal protein S19	3.37	1.99	0.01
A_52_P123665	NM_029929	Vps33a	77573	vacuolar protein sorting 33A (yeast)	4.77	1.99	0.00
A_51_P323081	NM_198161	Bhlhb9	70237	basic helix-loop-helix domain containing, class B9	3.37	1.99	0.01
A_52_P630016	NM_018742	Bet1l	54399	blocked early in transport 1 homolog (<i>S. cerevisiae</i>)-like	4.00	1.99	0.00
A_51_P164347	XM_912670	NA	NA	NA	3.35	1.99	0.01
A_51_P486239	NM_011606	Clec3b	21922	C-type lectin domain family 3, member b	3.88	1.99	0.00
A_52_P310930	NM_024214	Tomm20	67952	translocase of outer mitochondrial membrane 20 homolog (yeast)	5.26	1.99	0.00
A_51_P480062	NM_023305	Ubap1	67123	ubiquitin-associated protein 1	4.55	1.99	0.00
A_52_P305246	NM_027722	Nudt4	71207	nudix (nucleoside diphosphate linked moiety X)-type motif 4	2.85	1.99	0.05
A_52_P141161	NM_133834	Hnrnpf	98758	heterogeneous nuclear ribonucleoprotein F	2.98	1.99	0.03
A_52_P593200	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	2.77	1.99	0.05
A_52_P103391	NM_022305	B4galt1	14595	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	3.54	1.99	0.01
A_52_P116192	NM_033565	Aff4	93736	AF4/FMR2 family, member 4	3.88	1.99	0.00
A_51_P378856	NM_019703	Pfcp	56421	phosphofructokinase, platelet	3.17	1.99	0.02
A_51_P151902	NM_145584	Spon1	233744	spondin 1, (f-spondin) extracellular matrix protein	3.94	1.98	0.00

A_51_P172373	NM_153792	Traf7	224619	TNF receptor-associated factor 7	3.53	1.98	0.01
A_51_P127756	NM_017397	Ddx20	53975	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	3.85	1.98	0.00
A_52_P282276	NM_175145	Tmem127	69470	transmembrane protein 127	4.14	1.98	0.00
A_51_P352968	NM_008538	Marcks	17118	myristoylated alanine rich protein kinase C substrate	3.00	1.98	0.03
A_52_P292404	NM_080434	Apoa5	66113	apolipoprotein A-V	2.96	1.98	0.03
A_51_P357561	NM_026791	Fbxw9	68628	F-box and WD-40 domain protein 9	2.83	1.98	0.05
A_51_P502724	XM_283903	Fam102b	329739	family with sequence similarity 102, member B	4.22	1.98	0.00
A_52_P651425	NM_010876	Ncf1	17969	neutrophil cytosolic factor 1	5.23	1.98	0.00
A_51_P269456	NM_009761	Bnip3l	12177	BCL2/adenovirus E1B interacting protein 3-like	2.93	1.98	0.04
A_52_P256507	XR_004625	Gm9615	674214	predicted gene 9615	3.24	1.98	0.01
A_52_P402761	BC076613	Esco1	77805	establishment of cohesion 1 homolog 1 (<i>S. cerevisiae</i>)	2.88	1.98	0.04
A_51_P123345	NM_007477	Arf2	11841	ADP-ribosylation factor 2	3.87	1.98	0.00
A_51_P149349	BC022652	Nfxl1	100978	nuclear transcription factor, X-box binding-like 1	2.93	1.98	0.04
A_52_P625683	NM_021534	Pxmp4	59038	peroxisomal membrane protein 4	3.22	1.98	0.02
A_51_P490867	NM_199016	Enpp4	224794	ectonucleotide pyrophosphatase/phosphodiesterase 4	3.25	1.98	0.01
A_51_P454638	NM_134073	Kctd9	105440	potassium channel tetramerisation domain containing 9	4.33	1.98	0.00
A_51_P214197	NM_133810	Stk17b	98267	serine/threonine kinase 17b (apoptosis-inducing)	2.75	1.98	0.06
A_51_P454422	AB093296	Unc79	217843	unc-79 homolog (<i>C. elegans</i>)	2.72	1.98	0.07
A_52_P3845	XM_193558	Rnf217	268291	ring finger protein 217	3.24	1.98	0.01
A_51_P302520	NM_010867	Myom1	17929	myomesin 1	3.75	1.98	0.00
A_51_P450854	XM_992913	NA	NA	NA	3.18	1.98	0.02
A_52_P32561	AK037212	A030010E1	320039	RIKEN cDNA A030010E16 gene	2.99	1.98	0.03
A_52_P147633	NM_203507	Rwdd4a	192174	RWD domain containing 4A	3.49	1.98	0.01
A_52_P135175	NM_025480	Tmem128	66309	transmembrane protein 128	5.04	1.97	0.00
A_51_P259861	NM_021554	Mettl9	59052	methyltransferase like 9	3.35	1.97	0.01
A_51_P272184	NM_026201	Ccar1	67500	cell division cycle and apoptosis regulator 1	4.27	1.97	0.00
A_52_P446625	NM_001024	AW555464	217882	expressed sequence AW555464	3.98	1.97	0.00
A_52_P564962	NA	NA	NA	NA	3.81	1.97	0.00
A_51_P382369	NM_175751	Zfp608	269023	zinc finger protein 608	3.12	1.97	0.02

A_51_P160514	NM_021328	Bin3	57784	bridging integrator 3	3.90	1.97	0.00
A_51_P224023	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	4.04	1.97	0.00
A_52_P200244	NM_011479	Sptlc2	20773	serine palmitoyltransferase, long chain base subunit 2	4.55	1.97	0.00
A_51_P103533	XM_132499	NA	NA	NA	3.29	1.97	0.01
A_51_P496491	NM_028031	Zdhhc13	243983	zinc finger, DHHC domain containing 13	3.81	1.97	0.00
A_52_P396498	NM_010587	Itsn1	16443	intersectin 1 (SH3 domain protein 1A)	3.63	1.97	0.01
A_52_P588096	NM_175515	Intu	380614	inturned planar cell polarity effector homolog (Drosophila)	2.75	1.97	0.06
A_52_P62428	BC057363	Tug1	544752	taurine upregulated gene 1	2.94	1.97	0.03
A_51_P367100	NM_008407	Itih3	16426	inter-alpha trypsin inhibitor, heavy chain 3	3.96	1.97	0.00
A_52_P46039	BC075692	Kctd18	51960	potassium channel tetramerisation domain containing 18	3.85	1.97	0.00
A_52_P141322	NM_010117	Rhbdf1	13650	rhomboid family 1 (Drosophila)	5.67	1.97	0.00
A_52_P571444	NM_133784	Wwtr1	97064	WW domain containing transcription regulator 1	2.79	1.97	0.05
A_52_P285182	NM_021720	Donson	60364	downstream neighbor of SON	3.59	1.97	0.01
A_51_P318551	NM_145431	Nle1	217011	notchless homolog 1 (Drosophila)	3.25	1.97	0.01
A_52_P595476	NM_183390	Khlh6	239743	kelch-like 6 (Drosophila)	3.61	1.97	0.01
A_52_P527917	NM_028247	Slc16a10	72472	solute carrier family 16 (monocarboxylic acid transporters), member 10	5.66	1.97	0.00
A_51_P503953	NM_027993	2310028H2	71901	RIKEN cDNA 2310028H24 gene	3.27	1.97	0.01
A_52_P490272	NM_022979	Nup98	269966	nucleoporin 98	3.49	1.97	0.01
A_51_P103000	NM_008851	Pitpnm1	18739	phosphatidylinositol transfer protein, membrane-associated 1	4.97	1.97	0.00
A_52_P288614	NM_025936	Rars	104458	arginyl-tRNA synthetase	4.26	1.97	0.00
A_52_P284927	BC027257	5930434B0	381356	RIKEN cDNA 5930434B04 gene	4.14	1.97	0.00
A_52_P577748	NM_134152	Lpxn	107321	leupaxin	3.88	1.97	0.00
A_51_P416910	NM_172289	Slc36a4	234967	solute carrier family 36 (proton/amino acid symporter), member 4	3.03	1.96	0.03
A_52_P3029	NM_026644	Agpat4	68262	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	3.85	1.96	0.00
A_52_P252469	NM_133927	Itfg2	101142	integrin alpha FG-GAP repeat containing 2	2.77	1.96	0.05
A_51_P421912	NM_145711	Tox	252838	thymocyte selection-associated high mobility group box	3.31	1.96	0.01

A_51_P328963	NM_011672	Ufd1l	22230	ubiquitin fusion degradation 1 like	5.07	1.96	0.00
A_52_P575854	NM_007396	Acvr2a	11480	activin receptor IIA	3.77	1.96	0.00
A_51_P468134	NM_008186	Gtf2h1	14884	general transcription factor II H, polypeptide 1	4.08	1.96	0.00
A_51_P446192	AK132230	Esf1	66580	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)	3.26	1.96	0.01
A_51_P309170	AK084086	9130023H2	1E+08	RIKEN cDNA 9130023H24 gene	2.71	1.96	0.07
A_52_P364232	NM_011083	Pik3c2a	18704	phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide	3.08	1.96	0.02
A_52_P313279	NM_001034	NA	NA	NA	5.04	1.96	0.00
A_51_P422636	NM_011603	Tbpl1	237336	TATA box binding protein-like 1	3.18	1.96	0.02
A_52_P446644	NA	NA	NA	NA	4.73	1.96	0.00
A_51_P441983	NM_008396	Itga2	16398	integrin alpha 2	5.59	1.96	0.00
A_51_P173622	NM_011202	Ptpn11	19247	protein tyrosine phosphatase, non-receptor type 11	4.95	1.96	0.00
A_51_P392291	NM_145630	Pdk3	236900	pyruvate dehydrogenase kinase, isoenzyme 3	5.57	1.96	0.00
A_52_P470401	NM_025708	Tmem186	66690	transmembrane protein 186	3.40	1.96	0.01
A_52_P243522	NM_173862	Fam83a	239463	family with sequence similarity 83, member A	4.67	1.96	0.00
A_52_P17228	NM_177093	Lrrc58	320184	leucine rich repeat containing 58	5.23	1.96	0.00
A_52_P630449	NM_018742	Bet1l	54399	blocked early in transport 1 homolog (S. cerevisiae)-like	4.77	1.96	0.00
A_52_P112017	NM_009775	Tspo	12257	translocator protein	5.04	1.96	0.00
A_51_P407989	NM_029508	Pcgf5	76073	polycomb group ring finger 5	2.81	1.95	0.05
A_52_P599264	NM_175088	Mdfic	16543	MyoD family inhibitor domain containing	5.04	1.95	0.00
A_52_P107424	NM_010731	Zbtb7a	16969	zinc finger and BTB domain containing 7a	4.29	1.95	0.00
A_52_P491616	AK053892	Nos1ap	70729	nitric oxide synthase 1 (neuronal) adaptor protein	4.15	1.95	0.00
A_51_P440892	NM_026344	Dph2	67728	DPH2 homolog (S. cerevisiae)	3.79	1.95	0.00
A_51_P381157	NM_027420	2610034B1	70420	RIKEN cDNA 2610034B18 gene	3.80	1.95	0.00
A_51_P204237	NM_008929	Dnajc3	1E+08	DnaJ (Hsp40) homolog, subfamily C, member 3	5.40	1.95	0.00
A_51_P322095	NM_026924	Ovo12	107586	ovo-like 2 (Drosophila)	3.73	1.95	0.01
A_51_P136479	NM_030096	Ddx52	78394	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	2.88	1.95	0.04
A_52_P67485	AK049578	Cltc	67300	clathrin, heavy polypeptide (Hc)	2.71	1.95	0.07
A_51_P212107	NM_025680	Ctnnb1	66642	catenin, beta like 1	4.42	1.95	0.00
A_51_P221144	BC019143	1300010F0	219189	RIKEN cDNA 1300010F03 gene	3.36	1.95	0.01

A_52_P470972	NM_011596	Atp6v0a2	21871	ATPase, H+ transporting, lysosomal V0 subunit A2	3.58	1.95	0.01
A_51_P363668	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	5.95	1.95	0.00
A_51_P496996	NM_001034	NA	NA	NA	4.34	1.95	0.00
A_51_P509609	NM_053082	Tspan4	64540	tetraspanin 4	4.81	1.95	0.00
A_52_P178904	NM_028112	Seh1l	72124	SEH1-like (S. cerevisiae	4.60	1.95	0.00
A_51_P195947	NM_178654	Pkn2	109333	protein kinase N2	2.89	1.95	0.04
A_52_P65108	NM_008539	Smad1	17125	MAD homolog 1 (Drosophila)	4.08	1.95	0.00
A_52_P351694	NM_199299	Phf15	76901	PHD finger protein 15	3.90	1.95	0.00
A_51_P328760	NM_027470	Pak4	70584	p21 protein (Cdc42/Rac)-activated kinase 4	5.59	1.95	0.00
A_52_P609387	AK044402	AI848100	226551	expressed sequence AI848100	3.68	1.94	0.01
A_52_P199446	XM_974928	NA	NA	NA	2.94	1.94	0.04
A_52_P62444	AK029181	Syn2	20965	synapsin II	3.53	1.94	0.01
A_52_P274960	NM_001005	Arhgap30	226652	Rho GTPase activating protein 30	3.77	1.94	0.00
A_51_P349036	NM_172339	Snapc4	227644	small nuclear RNA activating complex, polypeptide 4	3.40	1.94	0.01
A_52_P579258	NA	NA	NA	NA	4.50	1.94	0.00
A_52_P144917	NM_029756	Sdccag8	76816	serologically defined colon cancer antigen 8	4.28	1.94	0.00
A_52_P498231	NM_011349	Sema3f	20350	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	4.46	1.94	0.00
A_52_P330395	NM_134082	Farp1	223254	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	5.23	1.94	0.00
A_51_P180825	NM_008707	Nmt1	18107	N-myristoyltransferase 1	3.63	1.94	0.01
A_51_P332627	NM_016776	Mybbp1a	18432	MYB binding protein (P160) 1a	2.95	1.94	0.03
A_52_P657286	NM_024468	Trim39	79263	tripartite motif-containing 39	4.07	1.94	0.00
A_52_P17115	NM_133206	Znrf1	170737	zinc and ring finger 1	4.07	1.94	0.00
A_51_P163867	NM_146081	Ppp4r1	70351	protein phosphatase 4, regulatory subunit 1	4.21	1.94	0.00
A_52_P335842	AK050411	Rrbp1	81910	ribosome binding protein 1	3.58	1.94	0.01
A_51_P473576	NM_009687	Apex1	11792	apurinic/apyrimidinic endonuclease 1	3.90	1.94	0.00
A_51_P406008	NM_021555	Brp16	59053	brain protein 16	4.15	1.94	0.00
A_51_P501236	BY715230	NA	NA	NA	3.34	1.94	0.01
A_52_P223828	NM_172286	6430548M08	234797	RIKEN cDNA 6430548M08 gene	3.82	1.94	0.00
A_51_P209308	NM_022811	Polr1e	64424	polymerase (RNA) I polypeptide E	2.74	1.94	0.07
A_51_P434697	NM_144839	Ube2e2	218793	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	5.21	1.94	0.00

A_52_P247974	NA	NA	NA	NA	2.71	1.94	0.07
A_51_P270891	AK006811	1700056E2	73363	RIKEN cDNA 1700056E22 gene	2.76	1.93	0.06
A_52_P33287	NM_011561	Tdg	21665	thymine DNA glycosylase	3.86	1.93	0.00
A_51_P201276	NM_145455	Btf3	218490	basic transcription factor 3	4.48	1.93	0.00
A_51_P361099	NM_007422	Adss	11566	adenylosuccinate synthetase, non muscle	3.49	1.93	0.01
A_51_P446022	AK052528	D430042O	233865	RIKEN cDNA D430042O09 gene	3.25	1.93	0.01
A_52_P39533	NM_178729	Fbxl5	242960	F-box and leucine-rich repeat protein 5	2.94	1.93	0.04
A_51_P240801	BC046640	Tmem173	72512	transmembrane protein 173	2.80	1.93	0.05
A_52_P212336	NM_001024	NA	NA	NA	3.60	1.93	0.01
A_51_P461884	NM_009595	Abl2	11352	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	2.97	1.93	0.03
A_52_P665768	NM_001033	Cox18	231430	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)	3.34	1.93	0.01
A_51_P325217	AK036311	9630055L0	319580	RIKEN cDNA 9630055L06 gene	2.74	1.93	0.06
A_51_P319805	NM_203492	Mrgprg	381974	MAS-related GPR, member G	3.44	1.93	0.01
A_51_P308814	NM_026654	Toe1	68276	target of EGR1, member 1 (nuclear)	4.55	1.93	0.00
A_51_P299393	XM_983620	NA	NA	NA	2.94	1.93	0.04
A_51_P348022	NM_026623	Nudt21	68219	nudix (nucleoside diphosphate linked moiety X)-type motif 21	3.56	1.93	0.01
A_52_P125494	NM_199017	9230110C1	234912	RIKEN cDNA 9230110C19 gene	3.82	1.93	0.00
A_51_P329855	NM_183149	Zfp598	213753	zinc finger protein 598	3.60	1.93	0.01
A_51_P332939	NM_134082	Farp1	223254	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	3.53	1.93	0.01
A_51_P284476	NM_023122	Gpm6b	14758	glycoprotein m6b	3.73	1.93	0.01
A_52_P468937	NM_011743	Zfp106	20402	zinc finger protein 106	3.23	1.92	0.02
A_52_P18816	NM_019650	Gosr2	56494	golgi SNAP receptor complex member 2	4.08	1.92	0.00
A_52_P369112	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	3.30	1.92	0.01
A_52_P609200	NM_012032	Serinc3	26943	serine incorporator 3	2.73	1.92	0.07
A_51_P297799	NM_001015	Rap1gap2	380711	RAP1 GTPase activating protein 2	4.06	1.92	0.00
A_52_P201315	AK079723	B3gat3	72727	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	3.16	1.92	0.02
A_52_P400831	NM_001001	Adamts13	279028	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 13	3.79	1.92	0.00

A_52_P502754	NM_009667	Ampd3	11717	adenosine monophosphate deaminase 3	3.43	1.92	0.01
A_52_P647900	AK171223	Arhgef2	16800	rho/rac guanine nucleotide exchange factor (GEF) 2	4.21	1.92	0.00
A_51_P386358	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2	4.03	1.92	0.00
A_52_P73559	XM_914588	Gm7241	638532	predicted gene 7241	3.55	1.92	0.01
A_52_P491861	NM_009282	Stag1	20842	stromal antigen 1	3.11	1.92	0.02
A_51_P126302	NM_173376	Rbmx2	209003	RNA binding motif protein, X-linked 2	2.83	1.92	0.05
A_52_P200265	NM_020042	Mocs1	56738	molybdenum cofactor synthesis 1	3.15	1.92	0.02
A_51_P119857	AK017680	Spred1	114715	sprouty protein with EVH-1 domain 1, related sequence	2.94	1.92	0.04
A_52_P233441	NM_008090	Gata2	14461	GATA binding protein 2	3.55	1.92	0.01
A_52_P645285	NA	NA	NA	NA	4.69	1.92	0.00
A_52_P665767	NM_001033	Cox18	231430	COX18 cytochrome c oxidase assembly homolog (S. cerevisiae)	3.94	1.92	0.00
A_51_P368696	NM_001042	Apaf1	11783	apoptotic peptidase activating factor 1	4.53	1.92	0.00
A_51_P473633	AK035191	Tead1	21676	TEA domain family member 1	3.25	1.92	0.01
A_52_P413584	AK078829	Nrip1	268903	nuclear receptor interacting protein 1	2.78	1.92	0.05
A_52_P566208	AK014593	Rpl11	67025	ribosomal protein L11	4.18	1.92	0.00
A_51_P143712	NM_021480	Tdh	58865	L-threonine dehydrogenase	4.50	1.92	0.00
A_52_P885107	BM216128	NA	NA	NA	3.60	1.92	0.01
A_51_P423444	NM_199448	Fez2	225020	fasciculation and elongation protein zeta 2 (zygin II)	4.86	1.92	0.00
A_52_P638121	XM_001001	NA	NA	NA	5.75	1.92	0.00
A_51_P222657	NM_009775	Tspo	12257	translocator protein	4.47	1.92	0.00
A_52_P526396	NM_178628	Atl1	73991	atlastin GTPase 1	3.44	1.92	0.01
A_52_P4657	NM_172722	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit tumor necrosis factor, alpha-induced protein 1	3.86	1.91	0.00
A_52_P52036	NM_009395	Tnfaip1	21927	(endothelial)	3.45	1.91	0.01
A_52_P571661	NM_025811	Nhlrc2	66866	NHL repeat containing 2	5.92	1.91	0.00
A_52_P427174	NM_030713	Zfp202	80902	zinc finger protein 202	4.21	1.91	0.00
A_52_P248604	NM_009868	Cdh5	12562	cadherin 5	3.79	1.91	0.00

A_52_P68306	NM_172910	Dlgap2	244310	discs, large (Drosophila) homolog-associated protein 2	4.47	1.91	0.00
A_52_P366772	NM_173735	2310044G1217732		RIKEN cDNA 2310044G17 gene	3.54	1.91	0.01
A_51_P381618	NM_134102	Pla1a	85031	phospholipase A1 member A	3.18	1.91	0.02
A_52_P337716	NA	NA	NA	NA	4.26	1.91	0.00
A_52_P627327	XM_0010037	NA	NA	NA	3.38	1.91	0.01
				potassium channel tetramerisation domain containing			
A_51_P440707	NM_025888	Kctd20	66989	20	3.62	1.91	0.01
A_51_P381657	NM_146144	Usp1	230484	ubiquitin specific peptidase 1	4.19	1.91	0.00
A_51_P173197	NM_027352	Gorasp2	70231	golgi reassembly stacking protein 2	5.43	1.91	0.00
				dual specificity phosphatase 11 (RNA/RNP complex 1-			
A_52_P435426	NM_028099	Dusp11	72102	interacting)	4.90	1.91	0.00
A_51_P502012	NM_176972	Usp37	319651	ubiquitin specific peptidase 37	3.25	1.91	0.01
				TATA box binding protein (Tbp)-associated factor, RNA			
A_51_P411355	NM_021441	Taf1c	21341	polymerase I, C	4.76	1.91	0.00
A_51_P419571	NM_027101	Polr2d	69241	polymerase (RNA) II (DNA directed) polypeptide D	5.33	1.91	0.00
A_52_P467718	NM_029505	Ap3m2	64933	adaptor-related protein complex 3, mu 2 subunit	3.27	1.91	0.01
A_51_P113222	NM_027270	Exoc1	69940	exocyst complex component 1	4.51	1.91	0.00
A_52_P347078	AK089832	Atox1	11927	ATX1 (antioxidant protein 1) homolog 1 (yeast)	3.83	1.91	0.00
A_51_P355821	NM_026999	Zfp688	69234	zinc finger protein 688	3.18	1.90	0.02
A_51_P216108	NM_146244	Rps6kl1	238323	ribosomal protein S6 kinase-like 1	3.13	1.90	0.02
A_52_P418724	NM_001039	Morf4l1	21761	mortality factor 4 like 1	5.13	1.90	0.00
A_51_P281806	XM_618787	NA	NA	NA	3.55	1.90	0.01
A_51_P378967	NM_001039	NA	NA	NA	4.03	1.90	0.00
A_52_P17112	NM_133206	Znrf1	170737	zinc and ring finger 1	3.14	1.90	0.02
A_51_P219822	NM_026234	Pigm	67556	phosphatidylinositol glycan anchor biosynthesis, class M	3.84	1.90	0.00
A_52_P630646	NM_026654	Toe1	68276	target of EGR1, member 1 (nuclear)	3.99	1.90	0.00
A_51_P172231	NM_026960	Gsdmd	69146	gasdermin D	2.75	1.90	0.06
A_51_P515768	AK033091	Pdlim7	67399	PDZ and LIM domain 7	3.18	1.90	0.02
A_51_P494196	U14333	Arnt	11863	aryl hydrocarbon receptor nuclear translocator	3.68	1.90	0.01
A_51_P395011	NM_007523	Bak1	12018	BCL2-antagonist/killer 1	3.60	1.90	0.01

A_52_P105501	NM_022885	Slc30a5	69048	solute carrier family 30 (zinc transporter), member 5	2.84	1.90	0.05
A_52_P670172	NM_198627	Vstm2l	277432	V-set and transmembrane domain containing 2-like	4.64	1.90	0.00
A_52_P645159	NM_001013	Cpsf6	432508	cleavage and polyadenylation specific factor 6	5.49	1.90	0.00
A_51_P483220	NM_008378	Impact	16210	imprinted and ancient	2.91	1.90	0.04
A_52_P547187	NM_138667	Tab2	68652	TGF-beta activated kinase 1/MAP3K7 binding protein 2	3.22	1.90	0.02
A_52_P244034	BC024780	Diablo	66593	diablo homolog (Drosophila)	2.81	1.90	0.05
A_51_P513449	NM_172683	Pogz	229584	pogo transposable element with ZNF domain	2.97	1.90	0.03
A_52_P665887	BC068026	Aire	11634	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	2.71	1.90	0.07
A_52_P450188	NM_133215	Mtmr4	170749	myotubularin related protein 4	5.33	1.90	0.00
A_51_P321331	NM_011479	Sptlc2	20773	serine palmitoyltransferase, long chain base subunit 2	3.84	1.90	0.00
A_52_P253015	AK163954	Erap1	80898	endoplasmic reticulum aminopeptidase 1	3.26	1.90	0.01
A_51_P349691	NM_133979	Ano10	102566	anoctamin 10	3.32	1.90	0.01
A_51_P521040	NM_018742	Bet1l	54399	blocked early in transport 1 homolog (S. cerevisiae)-like	3.72	1.89	0.01
A_52_P472958	NM_144826	Utp6	216987	UTP6, small subunit (SSU) processome component, homolog (yeast)	4.37	1.89	0.00
A_52_P605296	XM_977731	NA	NA	NA	3.03	1.89	0.03
A_52_P211956	NM_025658	Ms4a4d	66607	membrane-spanning 4-domains, subfamily A, member 4D	3.29	1.89	0.01
A_51_P386304	NM_207678	Ccnl2	56036	cyclin L2	3.14	1.89	0.02
A_51_P520384	NM_007502	Atp1b3	11933	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	4.12	1.89	0.00
A_52_P335178	NM_011073	Prf1	18646	perforin 1 (pore forming protein)	5.98	1.89	0.00
A_51_P196997	NM_146064	Soat2	223920	sterol O-acyltransferase 2	3.15	1.89	0.02
A_52_P499206	NM_013763	Tbl2	27368	transducin (beta)-like 2	4.67	1.89	0.00
A_51_P455776	NM_026177	1200011118	67467	RIKEN cDNA 1200011118 gene	3.11	1.89	0.02
A_51_P403693	NM_025692	Uba5	66663	ubiquitin-like modifier activating enzyme 5	4.10	1.89	0.00
A_52_P278549	NM_010849	Myc	17869	myelocytomatosis oncogene	3.49	1.89	0.01
A_52_P517730	NM_009952	Creb1	12912	cAMP responsive element binding protein 1	3.77	1.89	0.00

A_51_P313067	NM_178793	Ccbe1	320924	collagen and calcium binding EGF domains 1	2.92	1.89	0.04
A_52_P440044	NM_025780	Thap2	66816	THAP domain containing, apoptosis associated protein 2	4.09	1.89	0.00
A_51_P177106	X89690	Olfr29-ps1	29848	olfactory receptor 29, pseudogene 1	3.96	1.89	0.00
A_51_P175555	NM_134058	Pelo	105083	pelota homolog (Drosophila)	3.15	1.89	0.02
A_52_P625508	NM_009948	Cpt1b	12895	carnitine palmitoyltransferase 1b, muscle	3.12	1.89	0.02
A_52_P329851	NM_028836	Ctbs	74245	chitinase, di-N-acetyl-	3.11	1.89	0.02
A_51_P264884	NM_172277	Snx8	231834	sorting nexin 8	4.53	1.88	0.00
A_51_P305250	NM_027008	Kctd5	69259	potassium channel tetramerisation domain containing 5	3.44	1.88	0.01
A_51_P513803	AK015995	Fbxo4	106052	F-box protein 4	3.35	1.88	0.01
A_51_P394665	NM_011868	Peci	23986	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase	4.16	1.88	0.00
A_52_P409760	NM_010492	Ica1	15893	islet cell autoantigen 1	3.27	1.88	0.01
A_51_P304065	NA	NA	NA	NA	4.25	1.88	0.00
A_51_P416974	NM_016768	Pbx3	18516	pre B-cell leukemia transcription factor 3	6.06	1.88	0.00
A_52_P87001	NM_001033	Nom1	433864	nucleolar protein with MIF4G domain 1	3.50	1.88	0.01
A_51_P397003	XM_133990	NA	NA	NA	2.77	1.88	0.06
A_51_P504672	NM_133665	Mef2d	17261	myocyte enhancer factor 2D	4.59	1.88	0.00
A_52_P411315	AK083355	NA	NA	NA	2.78	1.88	0.05
A_51_P477716	NM_153112	Cadm4	260299	cell adhesion molecule 4	4.70	1.88	0.00
A_52_P489202	NM_001001	4732465J0	414105	RIKEN cDNA 4732465J04 gene	3.46	1.88	0.01
A_52_P310140	NM_021539	Wsb2	59043	WD repeat and SOCS box-containing 2	3.72	1.88	0.01
A_51_P334344	AK047044	Phf20l1	239510	PHD finger protein 20-like 1	4.07	1.88	0.00
A_52_P469458	NM_026654	Toe1	68276	target of EGR1, member 1 (nuclear)	4.20	1.88	0.00
A_51_P145772	NM_025525	Rnf113a2	66381	ring finger protein 113A2	5.98	1.87	0.00
A_51_P112644	NM_145416	Kri1	215194	KRI1 homolog (S. cerevisiae)	3.21	1.87	0.02
A_52_P299311	XR_002787	NA	NA	NA	3.31	1.87	0.01
A_52_P83905	NM_007885	Slc26a2	13521	solute carrier family 26 (sulfate transporter), member 2	3.48	1.87	0.01
A_52_P486482	NM_177464	D19Ertd38	52013	DNA segment, Chr 19, ERATO Doi 386, expressed	3.65	1.87	0.01
A_51_P503004	NM_170684	Cpne7	102278	copine VII	3.43	1.87	0.01
A_52_P683572	NM_021539	Wsb2	59043	WD repeat and SOCS box-containing 2	3.67	1.87	0.01
A_52_P355014	NM_025875	Rbm8a	60365	RNA binding motif protein 8a	2.90	1.87	0.04

A_52_P561073	NM_145711	Tox	252838	thymocyte selection-associated high mobility group box	3.71	1.87	0.01
A_51_P512061	BC085280	1600015110	69761	RIKEN cDNA 1600015110 gene	4.15	1.87	0.00
A_51_P199057	NM_029749	Usp42	76800	ubiquitin specific peptidase 42	2.86	1.87	0.05
A_52_P458000	NM_178901	AI467606	101602	expressed sequence AI467606	3.09	1.87	0.02
A_52_P83913	NM_138744	Ssx2ip	99167	synovial sarcoma, X breakpoint 2 interacting protein	3.70	1.87	0.01
A_52_P168921	NM_001008	Gm5595	434179	predicted gene 5595	2.70	1.87	0.07
A_51_P357341	NM_033444	Clic1	114584	chloride intracellular channel 1	4.13	1.87	0.00
A_51_P462746	AK132870	Tex10	269536	testis expressed gene 10	3.40	1.87	0.01
A_51_P480928	NM_173392	Zfyve16	218441	zinc finger, FYVE domain containing 16	3.54	1.87	0.01
A_52_P46410	AK156117	4933407H1	171101	RIKEN cDNA 4933407H18 gene	4.17	1.87	0.00
A_52_P243553	NM_007905	Phc1	13619	polyhomeotic-like 1 (Drosophila)	3.65	1.87	0.01
A_51_P151820	XM_489612	Urb1	207932	URB1 ribosome biogenesis 1 homolog (S. cerevisiae)	3.44	1.87	0.01
A_51_P337755	NM_026107	Zkscan6	52712	zinc finger with KRAB and SCAN domains 6	3.08	1.87	0.02
A_51_P238354	NM_019549	Plek	56193	pleckstrin	2.73	1.87	0.07
A_52_P557923	NM_015797	Fbxo6	50762	F-box protein 6	3.35	1.87	0.01
A_52_P384822	AK129235	Taok2	381921	TAO kinase 2	3.09	1.87	0.02
A_52_P628455	NM_007968	Ewsr1	14030	Ewing sarcoma breakpoint region 1	3.59	1.87	0.01
A_51_P261150	NM_153053	Sf3b4	107701	splicing factor 3b, subunit 4	3.79	1.86	0.00
A_52_P424784	NM_022319	Clstn2	64085	calsyntenin 2	2.95	1.86	0.03
A_51_P222280	NM_019777	Ikbke	56489	inhibitor of kappaB kinase epsilon	3.54	1.86	0.01
A_51_P240019	NM_013755	Gyg	27357	glycogenin	3.63	1.86	0.01
A_51_P446731	XM_982789	NA	NA	NA	4.49	1.86	0.00
A_52_P455045	NM_001013	Rsl1	380855	regulator of sex limited protein 1	3.92	1.86	0.00
A_52_P488612	AK029907	Btbd9	224671	BTB (POZ) domain containing 9	4.84	1.86	0.00
A_51_P301804	NM_009177	St3gal1	20442	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	3.22	1.86	0.02
A_51_P334104	NM_007833	Dcn	13179	decorin	3.33	1.86	0.01
A_51_P461138	NM_016861	Pdlim1	54132	PDZ and LIM domain 1 (elfin)	3.28	1.86	0.01
A_51_P136460	NM_025594	Zmat2	66492	zinc finger, matrin type 2	2.96	1.86	0.03
A_51_P381584	NM_021433	Stx6	58244	syntaxin 6	4.12	1.86	0.00
A_51_P396385	NM_175439	Mars2	212679	methionine-tRNA synthetase 2 (mitochondrial)	4.39	1.86	0.00

A_52_P653966	NM_019426	Atf7ip	54343	activating transcription factor 7 interacting protein	4.80	1.86	0.00
A_51_P520857	BC027278	LOC1001341E+08		selenoprotein K pseudogene	5.09	1.86	0.00
A_51_P326023	NM_008996	Rab1	19324	RAB1, member RAS oncogene family	5.41	1.86	0.00
A_51_P490257	NM_134099	Fbxo4	106052	F-box protein 4	3.28	1.86	0.01
A_51_P176365	NM_175035	Gimap5	317757	GTPase, IMAP family member 5	3.38	1.86	0.01
A_52_P654108	NM_001013	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	3.03	1.86	0.03
A_52_P763562	XM_146893	Zc3h12c	244871	zinc finger CCCH type containing 12C	3.58	1.86	0.01
A_52_P504400	NM_173737	8430410A1232210		RIKEN cDNA 8430410A17 gene	3.00	1.86	0.03
A_52_P71869	NM_201389	Plec	18810	plectin	3.52	1.86	0.01
A_51_P281057	NA	NA	NA	NA	3.34	1.86	0.01
A_52_P373766	NM_025680	Ctnnbl1	66642	catenin, beta like 1	3.38	1.86	0.01
A_52_P661033	NM_022314	Tpm3	59069	tropomyosin 3, gamma	3.74	1.86	0.01
A_51_P220896	NM_026879	Chmp2b	68942	chromatin modifying protein 2B	2.78	1.86	0.05
A_52_P507169	AK005177	2810449D167234		RIKEN cDNA 2810449D17 gene	2.87	1.86	0.04
A_52_P485949	NM_028990	Tmem168	101118	transmembrane protein 168	4.00	1.86	0.00
A_52_P48398	NM_026259	Rnf41	67588	ring finger protein 41	3.82	1.86	0.00
A_52_P361356	NM_026337	Sltm	66660	SAFB-like, transcription modulator	2.71	1.86	0.07
A_52_P350687	NM_177545	Vangl1	229658	vang-like 1 (van gogh, Drosophila)	3.58	1.86	0.01
A_51_P121891	NM_009008	Rac2	19354	RAS-related C3 botulinum substrate 2	2.84	1.86	0.05
A_51_P499918	NM_010407	Hck	15162	hemopoietic cell kinase	2.80	1.86	0.05
				biogenesis of lysosome-related organelles complex-1,			
A_51_P200622	BC065806	Bloc1s2	73689	subunit 2	3.61	1.86	0.01
A_52_P555520	NM_029742	Klhdc10	76788	kelch domain containing 10	3.46	1.86	0.01
A_52_P265889	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	2.85	1.86	0.05
A_51_P169693	NM_198095	Bst2	69550	bone marrow stromal cell antigen 2	2.80	1.85	0.05
A_52_P103513	BC083148	Rpl13	270106	ribosomal protein L13	4.06	1.85	0.00
A_52_P683146	NM_009866	Cdh11	12552	cadherin 11	3.50	1.85	0.01
A_51_P236013	NM_172281	Rnf40	233900	ring finger protein 40	4.07	1.85	0.00
A_52_P530958	NM_027353	Cd2bp2	70233	CD2 antigen (cytoplasmic tail) binding protein 2	3.29	1.85	0.01
				potassium channel tetramerisation domain containing			
A_51_P398406	NM_172747	Kctd13	233877	13	4.58	1.85	0.00
A_51_P219918	NM_172383	Tmem125	230678	transmembrane protein 125	2.76	1.85	0.06
A_51_P417109	NM_009558	Zfp51	22709	zinc finger protein 51	2.75	1.85	0.06

A_52_P456664	AK014677	4833411C071624		RIKEN cDNA 4833411C07 gene	3.00	1.85	0.03
A_51_P412955	AK044842	Plcb4	18798	phospholipase C, beta 4	3.84	1.85	0.00
				mediator of RNA polymerase II transcription, subunit 9			
A_51_P496400	NM_138675	Med9	192191	homolog (yeast)	5.09	1.85	0.00
A_51_P498866	NM_053168	Trim11	94091	tripartite motif-containing 11	3.32	1.85	0.01
A_51_P271354	NM_030178	Brpf1	78783	bromodomain and PHD finger containing, 1	4.27	1.85	0.00
A_51_P250590	AK080963	Sbf2	319934	SET binding factor 2	2.96	1.85	0.03
A_52_P86693	NM_026790	Ifi2711	52668	interferon, alpha-inducible protein 27 like 1	3.49	1.85	0.01
A_52_P363951	NM_011580	Thbs1	21825	thrombospondin 1	2.91	1.85	0.04
A_51_P242400	NM_031170	Krt8	16691	keratin 8	4.05	1.85	0.00
A_51_P223666	NM_007951	Erh	13877	enhancer of rudimentary homolog (Drosophila)	3.82	1.85	0.00
A_51_P431919	NM_019678	Tfg	21787	Trk-fused gene	2.72	1.85	0.07
A_52_P312563	NM_026440	Rnmt	67897	RNA (guanine-7-) methyltransferase	3.60	1.85	0.01
A_51_P266168	NM_001039	Eif4e2	26987	eukaryotic translation initiation factor 4E member 2	4.95	1.85	0.00
A_52_P582814	BC010602	H2-gs10	436493	MHC class I like protein GS10	3.80	1.85	0.00
A_51_P279531	NM_133795	Ttc1	66827	tetratricopeptide repeat domain 1	3.99	1.85	0.00
A_51_P242399	NM_031170	Krt8	16691	keratin 8	3.91	1.84	0.00
A_51_P124089	NM_019581	Gtpbp2	56055	GTP binding protein 2	3.12	1.84	0.02
A_51_P499441	NM_178900	Prkd2	101540	protein kinase D2	3.35	1.84	0.01
A_51_P246705	NM_029278	Nop14	75416	NOP14 nucleolar protein homolog (yeast)	3.81	1.84	0.00
A_52_P212887	NM_182939	Ppp4r2	232314	protein phosphatase 4, regulatory subunit 2	3.87	1.84	0.00
A_51_P364140	NM_010699	Ldha	16828	lactate dehydrogenase A	5.66	1.84	0.00
A_52_P1114640	AK010368	2410003L1	69729	RIKEN cDNA 2410003L11 gene	4.08	1.84	0.00
A_52_P123485	NM_025804	Tcf25	66855	transcription factor 25 (basic helix-loop-helix)	4.21	1.84	0.00
A_51_P218814	NM_026517	Rpl22l1	68028	ribosomal protein L22 like 1	3.94	1.84	0.00
A_52_P640152	AK134636	6820431F2	381598	cadherin 11 pseudogene	3.47	1.84	0.01
A_51_P464146	NM_175270	Ankrd56	78088	ankyrin repeat domain 56	2.76	1.84	0.06
A_52_P140546	NM_025772	Dtnbp1	94245	dystrobrevin binding protein 1	5.51	1.84	0.00
A_52_P356562	NA	NA	NA	NA	4.05	1.84	0.00
A_51_P298946	NM_019770	Tmed2	56334	transmembrane emp24 domain trafficking protein 2	3.28	1.84	0.01
A_52_P323820	NM_026435	Ufm1	67890	ubiquitin-fold modifier 1	3.34	1.84	0.01
A_52_P21574	AK033091	Pdlim7	67399	PDZ and LIM domain 7	3.13	1.84	0.02

A_52_P963966	AK048646	NA	NA	NA	4.20	1.84	0.00
A_52_P407854	BC093523	Dda1	66498	DET1 and DDB1 associated 1	4.08	1.84	0.00
A_52_P578581	NM_170599	Igsf11	207683	immunoglobulin superfamily, member 11	3.20	1.84	0.02
A_51_P477440	NM_001029	Sec23ip	207352	Sec23 interacting protein	2.84	1.84	0.05
A_51_P521161	NM_007596	Caml	12328	calcium modulating ligand	4.02	1.84	0.00
A_52_P552893	NM_026676	0610007P2	68327	RIKEN cDNA 0610007P22 gene	3.07	1.83	0.02
A_52_P238873	BC098509	3110003A1	73112	RIKEN cDNA 3110003A17 gene	2.86	1.83	0.05
A_51_P418560	NM_080795	Lnx2	140887	ligand of numb-protein X 2	2.92	1.83	0.04
A_51_P288906	NM_019765	Clip1	56430	CAP-GLY domain containing linker protein 1	4.75	1.83	0.00
A_51_P514623	NM_025422	Cd302	66205	CD302 antigen	3.75	1.83	0.00
				NIMA (never in mitosis gene a)-related expressed kinase			
A_51_P295442	NM_021605	Nek7	59125	7	3.51	1.83	0.01
A_51_P425373	NM_028047	1500002O2	71997	RIKEN cDNA 1500002O20 gene	3.87	1.83	0.00
A_52_P223495	NM_010576	Itga4	16401	integrin alpha 4	3.70	1.83	0.01
A_52_P46588	AK163124	A630072M	320770	RIKEN cDNA A630072M18 gene	4.10	1.83	0.00
A_51_P345196	NM_026116	Bbs2	67378	Bardet-Biedl syndrome 2 (human)	2.86	1.83	0.05
A_51_P229076	NM_009847	Cd2ap	12488	CD2-associated protein	3.26	1.83	0.01
				solute carrier family 11 (proton-coupled divalent metal			
A_52_P254298	NM_008732	Slc11a2	18174	ion transporters), member 2	4.09	1.83	0.00
A_51_P397493	NM_017401	Polm	54125	polymerase (DNA directed), mu	2.98	1.83	0.03
A_51_P504490	NM_172762	Rbm34	52202	RNA binding motif protein 34	3.28	1.83	0.01
				signal transducing adaptor molecule (SH3 domain and			
A_52_P128982	NM_011484	Stam	20844	ITAM motif) 1	4.09	1.83	0.00
A_51_P237754	NM_010398	H2-T23	15040	histocompatibility 2, T region locus 23	4.06	1.83	0.00
A_51_P146382	NM_001024	NA	NA	NA	3.84	1.83	0.00
A_51_P209319	NM_016752	Slc35b1	110172	solute carrier family 35, member B1	3.85	1.83	0.00
A_51_P188073	NA	NA	NA	NA	2.80	1.83	0.05
A_52_P451073	NM_178589	Tnfrsf21	94185	tumor necrosis factor receptor superfamily, member 21	4.04	1.83	0.00
A_51_P281255	NM_016777	Nasp	50927	nuclear autoantigenic sperm protein (histone-binding)	4.15	1.83	0.00
				dual specificity phosphatase 11 (RNA/RNP complex 1-			
A_52_P215136	NM_028099	Dusp11	72102	interacting)	4.91	1.82	0.00
A_51_P137419	NM_009977	Cst7	13011	cystatin F (leukocystatin)	5.63	1.82	0.00

A_51_P183940	NM_016866	Stk39	53416	serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	3.67	1.82	0.01
A_51_P239838	NA	NA	NA	NA	2.72	1.82	0.07
A_51_P234113	NM_172729	Nod1	107607	nucleotide-binding oligomerization domain containing 1	4.10	1.82	0.00
A_52_P586004	NM_001033	Hk3	212032	hexokinase 3	3.41	1.82	0.01
A_51_P169617	NM_027748	Taf3	209361	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor	2.91	1.82	0.04
A_51_P444565	NA	NA	NA	NA	3.51	1.82	0.01
A_51_P177502	NM_172284	Ddx19b	234733	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19b	3.84	1.82	0.00
A_51_P346826	NM_017475	Rragc	54170	Ras-related GTP binding C	3.01	1.82	0.03
A_51_P483118	NM_016660	Hmga1	15361	high mobility group AT-hook 1	3.05	1.82	0.02
A_51_P380881	NM_033609	Med15	94112	mediator complex subunit 15	3.42	1.82	0.01
A_51_P237575	NM_023423	Akirin1	68050	akirin 1	3.17	1.82	0.02
A_51_P195023	NM_144886	Exosc2	227715	exosome component 2	3.82	1.82	0.00
A_52_P217710	NM_008056	Fzd6	14368	frizzled homolog 6 (Drosophila)	2.95	1.82	0.03
A_52_P562612	AK082819	Srd5a1	78925	steroid 5 alpha-reductase 1	2.92	1.82	0.04
A_51_P235311	NM_009438	Rpl13a	22121	ribosomal protein L13A	3.73	1.82	0.01
A_52_P2259	D89901	Krtap6-3	1E+08	keratin associated protein 6-3	3.61	1.82	0.01
A_52_P113129	NM_016775	Dnajc5	13002	Dnaj (Hsp40) homolog, subfamily C, member 5	3.24	1.82	0.01
A_52_P10781	AK011495	Lman1	70361	lectin, mannose-binding, 1	2.82	1.82	0.05
A_52_P436238	NM_013614	Odc1	18263	ornithine decarboxylase, structural 1	3.30	1.82	0.01
A_51_P221274	NM_013784	Pign	27392	phosphatidylinositol glycan anchor biosynthesis, class N	4.07	1.82	0.00
A_52_P636629	AK037771	Ubr1	22222	ubiquitin protein ligase E3 component n-recognin 1	3.33	1.82	0.01
A_52_P306792	NM_153419	Grwd1	101612	glutamate-rich WD repeat containing 1	2.88	1.82	0.04
A_51_P254906	NM_178682	4933426M	217684	RIKEN cDNA 4933426M11 gene	4.14	1.82	0.00
A_52_P191193	NM_172595	Arl15	218639	ADP-ribosylation factor-like 15	3.00	1.81	0.03
A_51_P483690	X61450	Napb	17957	N-ethylmaleimide sensitive fusion protein attachment protein beta	3.58	1.81	0.01
A_51_P145433	NM_011699	Lin7c	22343	lin-7 homolog C (C. elegans)	2.82	1.81	0.05
A_51_P368237	BC023155	Dnahc1	110084	dynein, axonemal, heavy chain 1	3.38	1.81	0.01
A_52_P568028	NM_011986	Ncdn	26562	neurochondrin	3.40	1.81	0.01

A_51_P350252	XM_885736	NA	NA	NA	3.63	1.81	0.01
				ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch			
A_51_P451075	NM_009722	Atp2a2	11938	2	4.03	1.81	0.00
A_51_P485410	NM_001001	Zscan22	232878	zinc finger and SCAN domain containing 22	2.73	1.81	0.07
A_52_P539361	NM_001033	2610002J0	67513	RIKEN cDNA 2610002J02 gene	4.05	1.81	0.00
				pleckstrin homology domain containing, family A			
A_52_P215469	NM_133942	Plekha1	101476	(phosphoinositide binding specific) member 1	3.95	1.81	0.00
A_51_P417186	NM_020483	Sap30bp	57230	SAP30 binding protein	4.54	1.81	0.00
A_51_P361675	AK047998	Dopey1	320615	dopey family member 1	2.92	1.81	0.04
A_51_P142465	NM_011239	Ranbp1	19385	RAN binding protein 1	3.36	1.81	0.01
A_52_P380502	NM_201385	Plec	18810	plectin	2.86	1.81	0.05
A_51_P174894	BC050941	Mkl1	223701	MKL (megakaryoblastic leukemia)/myocardin-like 1	2.91	1.81	0.04
A_52_P23212	NM_009637	Aebp2	11569	AE binding protein 2	4.00	1.81	0.00
A_51_P298323	NM_173737	8430410A1	232210	RIKEN cDNA 8430410A17 gene	3.77	1.81	0.00
				TAF5-like RNA polymerase II, p300/CBP-associated			
A_52_P49368	NM_133966	Taf5l	102162	factor (PCAF)-associated factor	2.97	1.81	0.03
A_52_P185217	NM_026040	Srfbp1	67222	serum response factor binding protein 1	3.09	1.81	0.02
				microtubule-associated protein, RP/EB family, member			
A_51_P375714	NM_007896	Mapre1	13589	1	3.91	1.81	0.00
A_51_P137808	AB010345	Zfp26	22688	zinc finger protein 26	3.08	1.81	0.02
A_52_P602180	NA	NA	NA	NA	4.74	1.81	0.00
A_52_P603900	NM_024436	Rab22a	19334	RAB22A, member RAS oncogene family	2.84	1.81	0.05
A_52_P328714	AK133758	Fbxw2	30050	F-box and WD-40 domain protein 2	3.20	1.81	0.02
A_52_P366696	NM_026983	Erp27	69187	endoplasmic reticulum protein 27	4.10	1.81	0.00
A_52_P207654	NA	NA	NA	NA	3.16	1.81	0.02
				proteasome (prosome, macropain) 26S subunit, non-			
A_51_P130427	NM_009439	Psmd3	22123	ATPase, 3	4.29	1.81	0.00
A_52_P300730	NM_178057	NA	NA	NA	2.93	1.81	0.04
A_52_P492081	NM_130447	Dusp16	70686	dual specificity phosphatase 16	3.37	1.81	0.01
				FCF1 small subunit (SSU) processome component			
A_51_P153787	NM_028632	Fcf1	73736	homolog (<i>S. cerevisiae</i>)	4.19	1.80	0.00
A_52_P45175	XM_0010011	Trip11	109181	thyroid hormone receptor interactor 11	2.94	1.80	0.04
A_52_P98387	NM_007438	Aldoa	11674	aldolase A, fructose-bisphosphate	3.14	1.80	0.02

A_51_P425798	NM_029920	Mtus2	77521	microtubule associated tumor suppressor candidate 2	2.92	1.80	0.04
A_51_P288839	NM_138604	Otud5	54644	OTU domain containing 5	3.15	1.80	0.02
A_52_P391081	NM_172162	Hinfp	102423	histone H4 transcription factor	4.02	1.80	0.00
A_51_P403881	NM_011574	Cirh1a	21771	cirrhosis, autosomal recessive 1A (human)	3.79	1.80	0.00
A_52_P437363	NM_027892	Ppp1r12a	17931	protein phosphatase 1, regulatory (inhibitor) subunit 12A	2.76	1.80	0.06
A_52_P448936	AK078894	Ppp2r5e	26932	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	2.95	1.80	0.03
A_51_P283754	NM_172302	Cpsf7	269061	cleavage and polyadenylation specific factor 7	2.82	1.80	0.05
A_52_P269334	AK089458	Rdh13	108841	retinol dehydrogenase 13 (all-trans and 9-cis)	4.59	1.80	0.00
A_51_P359333	NM_010209	Fh1	14194	fumarate hydratase 1	3.98	1.80	0.00
A_52_P403484	BC008269	Ptpn2	19255	protein tyrosine phosphatase, non-receptor type 2 proteasome (prosome, macropain) 26S subunit, ATPase,	3.72	1.80	0.01
A_52_P10254	NM_011874	Psmc4	23996	4	4.14	1.80	0.00
A_51_P483544	NM_013930	Aass	30956	aminoadipate-semialdehyde synthase	4.57	1.80	0.00
A_51_P405956	NA	NA	NA	NA	3.07	1.80	0.02
A_51_P415809	NM_026954	Tusc1	69136	tumor suppressor candidate 1	4.39	1.80	0.00
A_51_P514668	NM_025527	Srp19	66384	signal recognition particle 19	3.21	1.80	0.02
A_52_P14496	AK132653	Gm9880	1E+08	predicted gene 9880	3.46	1.80	0.01
A_52_P73848	NM_001045	Clint1	216705	clathrin interactor 1	2.75	1.80	0.06
A_51_P248441	NM_019803	Ube2g2	22213	ubiquitin-conjugating enzyme E2G 2	4.34	1.80	0.00
A_51_P333060	NM_148948	Dicer1	192119	Dicer1, Dcr-1 homolog (Drosophila)	3.83	1.80	0.00
A_52_P83363	AK015025	Ralgapa1	56784	Ral GTPase activating protein, alpha subunit 1	2.88	1.80	0.04
A_52_P245911	NA	NA	NA	NA	4.46	1.80	0.00
A_52_P572284	NM_008640	Laptm4a	17775	lysosomal-associated protein transmembrane 4A	2.93	1.80	0.04
A_52_P565940	NM_008739	Nsd1	18193	nuclear receptor-binding SET-domain protein 1	3.01	1.80	0.03
A_52_P378257	XM_283937	NA	NA	NA	3.65	1.80	0.01
A_52_P461722	NM_181650	Prdm4	72843	PR domain containing 4	3.02	1.80	0.03
A_51_P420453	NM_145426	Mfap3	216760	microfibrillar-associated protein 3	4.95	1.80	0.00
A_52_P327467	NM_025426	Med7	66213	mediator complex subunit 7	4.29	1.80	0.00
A_52_P103377	BC071184	Hnrpll	72692	heterogeneous nuclear ribonucleoprotein L-like	3.45	1.80	0.01

A_51_P510485	BC046305	Sfi1	78887	Sfi1 homolog, spindle assembly associated (yeast) eukaryotic translation initiation factor 1A domain	2.80	1.80	0.05
A_51_P474688	NM_027236	Eif1ad	69860	containing	3.69	1.80	0.01
A_52_P309337	NM_019648	Metap2	56307	methionine aminopeptidase 2	2.78	1.80	0.05
A_52_P567228	XM_620268	Cyp2w1	545817	cytochrome P450, family 2, subfamily w, polypeptide 1	3.19	1.80	0.02
A_52_P467291	AK043151	NA	NA	NA	3.11	1.79	0.02
A_51_P249471	AK035387	9530028C0	330256	hypothetical protein 9530028C05	3.52	1.79	0.01
A_51_P469433	NM_011659	Tnfrsf4	22163	tumor necrosis factor receptor superfamily, member 4	4.56	1.79	0.00
A_52_P418056	NM_207209	Sec24b	99683	Sec24 related gene family, member B (<i>S. cerevisiae</i>)	2.73	1.79	0.07
A_52_P412543	NM_172502	Dcaf15	212123	DDB1 and CUL4 associated factor 15	3.12	1.79	0.02
A_51_P207550	NM_023196	Pla2g12a	66350	phospholipase A2, group X1IA	2.77	1.79	0.05
A_51_P333885	NM_019868	Hnrnp2	56258	heterogeneous nuclear ribonucleoprotein H2	3.46	1.79	0.01
A_51_P297165	BC092058	Sf3a3	75062	splicing factor 3a, subunit 3	3.25	1.79	0.01
A_51_P124477	NM_133231	Rfxap	170767	regulatory factor X-associated protein	4.12	1.79	0.00
A_51_P251154	BC016624	NA	NA	NA	3.38	1.79	0.01
A_52_P395220	NM_026609	Leprotl1	68192	leptin receptor overlapping transcript-like 1	4.92	1.79	0.00
A_52_P17788	NM_023233	Trim13	66597	tripartite motif-containing 13	2.91	1.79	0.04
A_52_P455055	XM_148244	NA	NA	NA	3.85	1.79	0.00
A_52_P456158	NM_175684	Fchsd1	319262	FCH and double SH3 domains 1	3.23	1.79	0.02
A_51_P116421	NM_013790	Abcc5	27416	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	4.28	1.79	0.00
A_51_P267194	NM_011810	Faim	23873	Fas apoptotic inhibitory molecule	3.72	1.79	0.01
A_51_P510096	NM_172593	Mier3	218613	mesoderm induction early response 1, family member 3	3.61	1.79	0.01
A_51_P176513	NM_170592	Mettl11a	66617	methyltransferase like 11A	3.26	1.79	0.01
A_51_P133651	NM_031391	Gtf2a1	83602	general transcription factor II A, 1	3.72	1.79	0.01
A_51_P192589	NM_025443	Pno1	66249	partner of NOB1 homolog (<i>S. cerevisiae</i>)	3.13	1.79	0.02
A_52_P189449	NM_023743	Eif4enif1	74203	eukaryotic translation initiation factor 4E nuclear import factor 1	3.77	1.79	0.00
A_52_P407751	NM_148932	Pom121	107939	nuclear pore membrane protein 121	2.79	1.78	0.05

A_51_P224593	NM_026823	Arl8a	68724	ADP-ribosylation factor-like 8A	3.43	1.78	0.01
A_52_P463578	NM_026483	Mphosph1	67973	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)	4.16	1.78	0.00
A_51_P152191	AK122486	Xpo5	72322	exportin 5	3.91	1.78	0.00
A_51_P181205	NM_029418	9130401M01	75758	RIKEN cDNA 9130401M01 gene	5.82	1.78	0.00
A_51_P310254	NM_133750	Fam118a	73225	family with sequence similarity 118, member A	2.80	1.78	0.05
A_52_P559034	AK052765	Klhdc5	232539	kelch domain containing 5	4.07	1.78	0.00
A_51_P482633	NM_019924	Rps6ka4	56613	ribosomal protein S6 kinase, polypeptide 4	3.90	1.78	0.00
A_51_P131025	NM_026890	Ngdn	68966	neuroguidin, EIF4E binding protein	2.78	1.78	0.05
A_51_P131358	NM_009151	Selplg	20345	selectin, platelet (p-selectin) ligand	3.48	1.78	0.01
A_51_P264388	NM_013931	Mapk8ip3	30957	mitogen-activated protein kinase 8 interacting protein 3	2.97	1.78	0.03
A_51_P190765	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	4.23	1.78	0.00
A_51_P462692	NM_001077	Ptbp1	19205	polypyrimidine tract binding protein 1	3.55	1.78	0.01
A_52_P83303	NM_024183	Fip1l1	66899	FIP1 like 1 (<i>S. cerevisiae</i>)	3.09	1.78	0.02
A_52_P542140	AK005617	Fam192a	102122	family with sequence similarity 192, member A	3.40	1.78	0.01
A_51_P516728	NM_010404	Hap1	15114	huntingtin-associated protein 1	3.37	1.78	0.01
A_52_P284470	NM_028156	1700001P01	72215	RIKEN cDNA 1700001P01 gene	2.95	1.78	0.03
A_52_P309657	NA	NA	NA	NA	3.25	1.78	0.01
A_52_P537566	NM_177150	Cenpt	320394	centromere protein T	3.90	1.78	0.00
A_51_P182662	NM_010878	Nck1	17973	non-catalytic region of tyrosine kinase adaptor protein 1	3.22	1.78	0.02
A_52_P652446	AK036186	NA	NA	NA	2.80	1.78	0.05
A_52_P654148	BC050924	Zmym4	67785	zinc finger, MYM-type 4	3.39	1.78	0.01
A_52_P396917	AK044024	Eml5	319670	echinoderm microtubule associated protein like 5	3.50	1.78	0.01
A_52_P4347	NM_145125	Brwd1	93871	bromodomain and WD repeat domain containing 1	3.30	1.78	0.01
A_52_P103639	NM_133700	Btbd10	68815	BTB (POZ) domain containing 10	2.89	1.78	0.04
A_51_P483329	NM_172713	Sdad1	231452	SDA1 domain containing 1	2.83	1.78	0.05
A_51_P502580	NM_053169	Trim16	94092	tripartite motif-containing 16	3.62	1.77	0.01
A_51_P388374	NM_026141	Ppil4	67418	peptidylprolyl isomerase (cyclophilin)-like 4	3.77	1.77	0.00
A_51_P325836	NM_017371	Hpx	15458	hemopexin	3.51	1.77	0.01
A_52_P682456	AK082305	Pex1	71382	peroxisomal biogenesis factor 1	4.31	1.77	0.00

A_52_P558357	NM_001033: Dcp1b	319618	DCP1 decapping enzyme homolog b (<i>S. cerevisiae</i>)	3.61	1.77	0.01
A_51_P176517	NM_170592 Mettl11a	66617	methyltransferase like 11A	4.85	1.77	0.00
A_51_P512561	NM_013844 Zfp68	24135	zinc finger protein 68	3.11	1.77	0.02
A_52_P268134	XR_004355 NA	NA	NA	4.24	1.77	0.00
A_51_P330369	NM_138744 Ssx2ip	99167	synovial sarcoma, X breakpoint 2 interacting protein pleckstrin homology domain containing, family M (with	3.15	1.77	0.02
A_52_P544539	AK156652 Plekhm2	69582	RUN domain) member 2	2.90	1.77	0.04
A_51_P493234	NM_007752 Cp	12870	ceruloplasmin	3.52	1.77	0.01
A_51_P518621	NM_013550 Hist1h3a	360198	histone cluster 1, H3a	4.35	1.77	0.00
A_52_P480939	NM_178716 Tnp1	238799	transportin 1	4.04	1.77	0.00
A_51_P483589	NM_198162 Morc2a	74522	microrchidia 2A	2.86	1.77	0.05
A_52_P366525	NM_001039 Coq10b	67876	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	3.16	1.77	0.02
A_52_P366572	NM_153567 Slain2	75991	SLAIN motif family, member 2	2.98	1.77	0.03
A_52_P1116185	AK051921 NA	NA	NA	3.27	1.77	0.01
A_51_P381522	NM_020331 Gtf2ird1	57080	general transcription factor II I repeat domain- containing 1	2.96	1.77	0.03
A_51_P257960	NM_011967 Psma5	26442	proteasome (prosome, macropain) subunit, alpha type 5	4.47	1.76	0.00
A_52_P113126	AK035288 Dnajc5	13002	Dnaj (Hsp40) homolog, subfamily C, member 5	3.10	1.76	0.02
A_51_P498922	NM_026106 Dr1	13486	down-regulator of transcription 1	3.20	1.76	0.02
A_52_P199011	NM_029456 Saps3	52036	SAPS domain family, member 3	2.80	1.76	0.05
A_52_P507368	NM_026231 Gstcd	67553	glutathione S-transferase, C-terminal domain containing	3.73	1.76	0.01
A_52_P458229	AK129078 Rrp1b	72462	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>)	3.77	1.76	0.00
A_52_P125467	NM_144865 Reep2	225362	receptor accessory protein 2	3.41	1.76	0.01
A_52_P183038	NM_011829 Impdh1	23917	inosine 5'-phosphate dehydrogenase 1	3.02	1.76	0.03
A_51_P388432	NM_130889 Anp32b	67628	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	4.29	1.76	0.00
A_52_P205991	NM_008142 Gnb1	14688	guanine nucleotide binding protein (G protein), beta 1	2.73	1.76	0.07
A_51_P154997	NM_134155 Brms1	107392	breast cancer metastasis-suppressor 1	3.22	1.76	0.02

A_51_P135066	NM_027992	Tmem106b	71900	transmembrane protein 106B	2.79	1.76	0.05
A_51_P267370	NM_022417	Itn2c	64294	integral membrane protein 2C	2.90	1.76	0.04
A_52_P482925	NM_025814	Serbp1	66870	serpine1 mRNA binding protein 1	3.20	1.76	0.02
A_52_P442370	NM_022328	Mllt1	64144	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	3.26	1.76	0.01
A_51_P336874	NM_025272	Atp6v0e	11974	ATPase, H+ transporting, lysosomal V0 subunit E	4.44	1.76	0.00
A_52_P641147	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	3.05	1.76	0.02
A_51_P489413	NM_025881	Luc7l	66978	Luc7 homolog (S. cerevisiae)-like	3.07	1.76	0.02
A_51_P317782	NM_176843	Ints5	109077	integrator complex subunit 5	3.57	1.76	0.01
A_51_P272617	NM_146130	Hnrnpa3	229279	heterogeneous nuclear ribonucleoprotein A3	3.31	1.76	0.01
A_51_P327469	NM_026533	Rps13	68052	ribosomal protein S13	3.06	1.76	0.02
A_52_P336859	AK088462	Hnrnpk	15387	heterogeneous nuclear ribonucleoprotein K	2.98	1.76	0.03
A_51_P101929	NM_010705	Lgals3	16854	lectin, galactose binding, soluble 3	2.99	1.76	0.03
A_51_P178585	NM_016775	Dnajc5	13002	Dnaj (Hsp40) homolog, subfamily C, member 5	3.80	1.75	0.00
A_52_P85945	NM_008602	Pias2	17344	protein inhibitor of activated STAT 2	3.57	1.75	0.01
A_52_P483680	AK079998	Zmpste24	230709	zinc metalloproteinase, STE24 homolog (S. cerevisiae)	2.92	1.75	0.04
A_51_P237367	NM_133942	Plekha1	101476	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	3.24	1.75	0.01
A_51_P116130	NM_019803	Ube2g2	22213	ubiquitin-conjugating enzyme E2G 2	4.54	1.75	0.00
A_52_P142208	NM_023423	Akirin1	68050	akirin 1	3.90	1.75	0.00
A_52_P617186	NM_025959	Psmc6	67089	proteasome (prosome, macropain) 26S subunit, ATPase, 6	3.75	1.75	0.00
A_51_P489086	XM_134209	NA	NA	NA	3.05	1.75	0.02
A_52_P530979	BC085235	Hbs1l	56422	Hbs1-like (S. cerevisiae)	2.90	1.75	0.04
A_52_P49945	NM_146239	Cdk17	237459	cyclin-dependent kinase 17	3.23	1.75	0.01
A_52_P32402	NM_025286	Slc31a2	20530	solute carrier family 31, member 2	3.53	1.75	0.01
A_51_P365578	NM_016891	Ppp2r1a	51792	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	2.83	1.75	0.05
A_52_P39247	NM_153198	Hbp1	73389	high mobility group box transcription factor 1	2.96	1.75	0.03
A_51_P195258	NM_019426	Atf7ip	54343	activating transcription factor 7 interacting protein	3.37	1.75	0.01
A_51_P389895	NM_028787	Slc35f5	74150	solute carrier family 35, member F5	3.68	1.75	0.01

A_52_P495139	NM_025635	Zwint	52696	ZW10 interactor	4.44	1.75	0.00
A_52_P85892	NM_029502	Cant1	76025	calcium activated nucleotidase 1	2.94	1.75	0.04
A_51_P417321	AK156842	Zfp236	329002	zinc finger protein 236	3.01	1.75	0.03
A_52_P30302	AK032696	5830433M	67770	RIKEN cDNA 5830433M19 gene	2.93	1.75	0.04
A_52_P85829	NM_001024	Tsku	244152	tsukushin	3.33	1.75	0.01
A_51_P165342	NM_007585	Anxa2	12306	annexin A2	2.93	1.75	0.04
A_51_P166107	AK075904	2310051F0	108745	RIKEN cDNA 2310051F07 gene	3.70	1.75	0.01
A_51_P374305	NM_026557	Rchy1	68098	ring finger and CHY zinc finger domain containing 1	3.49	1.75	0.01
A_51_P457980	NA	NA	NA	NA	3.02	1.75	0.03
A_51_P159171	NM_172161	Irak2	108960	interleukin-1 receptor-associated kinase 2	2.74	1.75	0.06
A_51_P520745	NM_153544	BC030867	217216	cDNA sequence BC030867	3.12	1.75	0.02
A_52_P1196772	AK087259	Anxa2	12306	annexin A2	3.27	1.75	0.01
A_51_P232778	NM_019661	Ykt6	56418	YKT6 homolog (S. Cerevisiae)	3.37	1.75	0.01
A_52_P89125	AK042446	Brd8	78656	bromodomain containing 8	3.42	1.74	0.01
A_51_P499776	NM_026603	Denr	68184	density-regulated protein	4.25	1.74	0.00
A_52_P269384	NM_178065	1110018G0	68497	RIKEN cDNA 1110018G07 gene	4.62	1.74	0.00
A_52_P395929	NA	NA	NA	NA	3.77	1.74	0.00
A_51_P450957	NM_007392	Acta2	11475	actin, alpha 2, smooth muscle, aorta	2.94	1.74	0.04
A_51_P453502	NM_011420	Smn1	20595	survival motor neuron 1	3.40	1.74	0.01
A_52_P489729	NM_016906	Sec61a1	53421	Sec61 alpha 1 subunit (S. cerevisiae)	3.34	1.74	0.01
A_51_P131747	AK147265	Pcdh17	219228	protocadherin 17	4.87	1.74	0.00
A_52_P585475	NM_180678	Gars	353172	glycyl-tRNA synthetase	3.99	1.74	0.00
A_52_P66596	XM_205469	Dmrtb1	56296	DMRT-like family B with proline-rich C-terminal, 1	4.33	1.74	0.00
A_52_P89884	NM_001007	Fndc3c1	333564	fibronectin type III domain containing 3C1	3.85	1.74	0.00
A_51_P431870	NM_173013	Mtap1s	270058	microtubule-associated protein 1S	3.63	1.74	0.01
A_52_P617171	BC029726	1600020E0	72012	RIKEN cDNA 1600020E01 gene	3.23	1.74	0.01
A_52_P214126	NM_009662	Alox5	11689	arachidonate 5-lipoxygenase	3.85	1.74	0.00
A_52_P549985	AK008728	Asb13	142688	ankyrin repeat and SOCS box-containing 13	3.78	1.74	0.00
A_51_P215106	NM_008047	Fstl1	14314	folliculin-like 1	3.42	1.74	0.01
A_52_P247927	XM_901424	2810442I2	72735	RIKEN cDNA 2810442I21 gene	2.71	1.74	0.07
A_51_P364485	NM_009396	Tnfaip2	21928	tumor necrosis factor, alpha-induced protein 2	3.17	1.74	0.02

				tumor necrosis factor receptor superfamily, member			
A_51_P389028	NM_020275	Tnfrsf10b	21933	10b	3.60	1.74	0.01
A_52_P507802	NM_010336	Lpar1	14745	lysophosphatidic acid receptor 1	3.31	1.74	0.01
A_51_P187716	AK003350	Zc3h11a	70579	zinc finger CCCH type containing 11A	3.05	1.74	0.02
A_52_P24593	NM_029492	Zdhhc20	75965	zinc finger, DHHC domain containing 20	2.85	1.74	0.05
A_52_P264647	XM_484000	Gm6685	626571	cytochrome b5 domain containing 1 pseudogene	3.60	1.74	0.01
A_52_P414013	NM_153511	Il1f9	215257	interleukin 1 family, member 9	4.20	1.74	0.00
A_52_P454246	NM_133933	Rpn1	103963	ribophorin I	3.32	1.74	0.01
A_51_P377547	NM_011529	Tank	21353	TRAF family member-associated Nf-kappa B activator	2.99	1.74	0.03
A_51_P380514	NM_028751	Tjap1	74094	tight junction associated protein 1	4.41	1.74	0.00
A_52_P512274	XM_894696	NA	NA	NA	3.38	1.74	0.01
A_51_P211943	NM_023742	Dtx2	74198	deltex 2 homolog (Drosophila)	3.78	1.73	0.00
A_52_P629821	NM_178795	Ppip5k1	327655	diphosphoinositol pentakisphosphate kinase 1	2.71	1.73	0.07
A_52_P319149	NM_027159	Ccdc115	69668	coiled-coil domain containing 115	2.89	1.73	0.04
A_52_P487024	NM_001005	Smg7	226517	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	3.07	1.73	0.02
A_52_P835592	AK052047	NA	NA	NA	3.30	1.73	0.01
A_51_P386382	NM_025858	Shisa5	66940	shisa homolog 5 (Xenopus laevis)	3.78	1.73	0.00
A_52_P321847	NM_021402	Ube2j2	140499	ubiquitin-conjugating enzyme E2, J2 homolog (yeast)	3.40	1.73	0.01
A_51_P461947	NM_177298	Pisd	320951	phosphatidylserine decarboxylase	4.03	1.73	0.00
A_52_P559975	NM_009909	Cxcr2	12765	chemokine (C-X-C motif) receptor 2	3.68	1.73	0.01
A_52_P442228	NM_008351	Il12a	16159	interleukin 12a	4.22	1.73	0.00
A_52_P560889	NM_054056	Pawr	114774	PRKC, apoptosis, WT1, regulator	3.91	1.73	0.00
A_51_P177819	NM_030743	Rnf114	81018	ring finger protein 114	3.73	1.73	0.01
A_52_P274238	NM_021500	Maea	59003	macrophage erythroblast attacher	4.70	1.73	0.00
A_51_P264835	NM_010148	Epn2	13855	epsin 2	3.18	1.73	0.02
A_52_P462358	NM_199009	Fam160a2	74349	family with sequence similarity 160, member A2	3.11	1.73	0.02
A_52_P111145	XM_143750	NA	NA	NA	3.41	1.73	0.01
A_52_P411430	XM_622446	Gm5914	546100	predicted gene 5914	3.34	1.73	0.01
A_52_P253748	NM_001024	Zbtb45	232879	zinc finger and BTB domain containing 45	3.47	1.73	0.01
A_52_P273998	NM_027123	Fastkd3	69577	FAST kinase domains 3	3.97	1.73	0.00

A_52_P139478	NM_025431	Llph	66225	LLP homolog, long-term synaptic facilitation (Aplysia)	3.96	1.73	0.00
A_51_P492070	NM_133953	Sf3b3	101943	splicing factor 3b, subunit 3	5.41	1.73	0.00
A_51_P225083	NM_153680	Snx17	266781	sorting nexin 17	4.12	1.73	0.00
A_51_P467349	AK048725	Trim62	67525	tripartite motif-containing 62	2.83	1.73	0.05
A_52_P477229	NA	NA	NA	NA	3.31	1.73	0.01
A_52_P597002	NA	NA	NA	NA	2.78	1.73	0.05
A_51_P281767	AK157290	Gm10492	1E+08	predicted gene 10492	3.00	1.73	0.03
A_52_P665202	NA	NA	NA	NA	2.98	1.73	0.03
A_52_P577019	NM_170669	Rps15a	267019	ribosomal protein S15A	4.51	1.73	0.00
A_51_P121447	NM_054099	1110038F1	117171	RIKEN cDNA 1110038F14 gene	4.21	1.73	0.00
A_51_P142258	NM_133707	1810019J1	169073	RIKEN cDNA 1810019J16 gene	3.08	1.73	0.02
				G protein-coupled receptor, family C, group 5, member			
A_51_P461684	NM_181444	Gprc5a	232431	A	3.63	1.73	0.01
A_52_P533198	NM_009584	Dnajc2	22791	Dnaj (Hsp40) homolog, subfamily C, member 2	3.46	1.72	0.01
A_52_P404979	NA	NA	NA	NA	3.19	1.72	0.02
A_52_P37665	NM_025872	Golt1b	66964	golgi transport 1 homolog B (S. cerevisiae)	4.06	1.72	0.00
A_51_P443508	NM_026438	Ppa1	67895	pyrophosphatase (inorganic) 1	3.54	1.72	0.01
A_52_P404239	NM_030147	Brd8	78656	bromodomain containing 8	3.19	1.72	0.02
A_52_P367060	NM_183020	Atxn2l	233871	ataxin 2-like	3.44	1.72	0.01
A_52_P560038	NM_153589	Ano2	243634	anoctamin 2	3.79	1.72	0.00
A_51_P404339	NM_025588	Exoc2	66482	exocyst complex component 2	3.76	1.72	0.00
A_52_P615658	NA	NA	NA	NA	3.67	1.72	0.01
A_52_P612682	NM_145956	Brcc3	210766	BRCA1/BRCA2-containing complex, subunit 3	3.32	1.72	0.01
A_52_P621588	NM_174851	Il28ra	242700	interleukin 28 receptor alpha	4.35	1.72	0.00
A_51_P375267	U58884	Dbnl	13169	drebrin-like	3.52	1.72	0.01
A_52_P205055	XR_003742	NA	NA	NA	2.94	1.72	0.03
A_51_P441286	NM_177625	Ttc5	219022	tetratricopeptide repeat domain 5	3.19	1.72	0.02
A_52_P99502	NM_029022	Scrn3	74616	secernin 3	3.52	1.72	0.01
A_51_P255765	NM_001039	Coq10b	67876	coenzyme Q10 homolog B (S. cerevisiae)	3.18	1.72	0.02
A_52_P292708	NM_019437	Rfk	54391	riboflavin kinase	3.13	1.72	0.02
				general transcription factor II E, polypeptide 2 (beta			
A_51_P404353	NM_026584	Gtf2e2	68153	subunit)	2.80	1.72	0.05
A_52_P650279	NM_016906	Sec61a1	53421	Sec61 alpha 1 subunit (S. cerevisiae)	4.11	1.72	0.00

A_51_P119055	NM_009278	Ssb	20823	Sjogren syndrome antigen B	3.61	1.72	0.01
A_52_P376327	NM_033565	Aff4	93736	AF4/FMR2 family, member 4	4.03	1.72	0.00
A_52_P389595	NM_030711	Erap1	80898	endoplasmic reticulum aminopeptidase 1	3.15	1.72	0.02
A_51_P191463	NA	NA	NA	NA	3.37	1.72	0.01
A_52_P677822	NM_153059	Tmem5	216395	transmembrane protein 5	3.53	1.71	0.01
A_51_P215570	NM_145577	Zfp772	232855	zinc finger protein 772	3.41	1.71	0.01
A_52_P12877	NM_031165	Hspa8	15481	heat shock protein 8	3.13	1.71	0.02
A_51_P411061	XM_203796	NA	NA	NA	3.31	1.71	0.01
A_52_P580974	NM_130863	Adrbk1	110355	adrenergic receptor kinase, beta 1	3.70	1.71	0.01
A_52_P630473	XM_126489	NA	NA	NA	4.54	1.71	0.00
A_52_P362277	NM_025546	Rsl1d1	66409	ribosomal L1 domain containing 1	3.05	1.71	0.02
A_52_P379889	NM_207214	Exoc5	105504	exocyst complex component 5	2.77	1.71	0.06
A_51_P278519	NM_023268	Qsox1	104009	quiescin Q6 sulfhydryl oxidase 1	3.73	1.71	0.01
A_52_P275348	NM_029012	Sppl3	74585	signal peptide peptidase 3	3.55	1.71	0.01
A_51_P210474	NM_026310	Mrpl18	67681	mitochondrial ribosomal protein L18	3.27	1.71	0.01
A_51_P347764	NM_021315	Noc3l	57753	nucleolar complex associated 3 homolog (<i>S. cerevisiae</i>) Smg-7 homolog, nonsense mediated mRNA decay factor	2.99	1.71	0.03
A_52_P589268	NM_001005	Smg7	226517	(<i>C. elegans</i>)	3.18	1.71	0.02
A_51_P504237	NM_023220	2010106G01	66552	RIKEN cDNA 2010106G01 gene	3.14	1.71	0.02
A_51_P222558	NM_030074	Zfp687	78266	zinc finger protein 687 mediator of RNA polymerase II transcription, subunit 4	2.83	1.71	0.05
A_51_P373369	NM_026119	Med4	67381	homolog (yeast)	3.28	1.71	0.01
A_52_P403582	NM_024468	Trim39	79263	tripartite motif-containing 39 nuclear casein kinase and cyclin-dependent kinase	3.60	1.71	0.01
A_51_P502674	AK037833	Nucks1	98415	substrate 1	2.99	1.71	0.03
A_52_P626756	NM_027296	Trnt1	70047	tRNA nucleotidyl transferase, CCA-adding, 1	3.60	1.71	0.01
A_52_P244162	BC031445	Golph3	66629	golgi phosphoprotein 3	2.91	1.71	0.04
A_51_P204390	NM_011343	Sec61g	20335	SEC61, gamma subunit	2.92	1.71	0.04
A_52_P174396	NM_009952	Creb1	12912	cAMP responsive element binding protein 1	4.97	1.71	0.00
A_52_P538950	AK046316	B230369F2	320110	RIKEN cDNA B230369F24 gene	3.35	1.71	0.01
A_51_P261379	NM_139140	Spats2	72572	spermatogenesis associated, serine-rich 2	3.65	1.71	0.01
A_52_P279226	NM_026557	Rchy1	68098	ring finger and CHY zinc finger domain containing 1	2.99	1.71	0.03

A_52_P58471	NM_199199	Tmem199	195040	transmembrane protein 199	3.82	1.71	0.00
A_52_P1005512	AK161743	Itsn2	20403	intersectin 2	2.94	1.71	0.04
A_52_P57526	BC021160	Sin3b	20467	transcriptional regulator, SIN3B (yeast)	3.83	1.70	0.00
A_51_P452189	NM_025281	Lyar	17089	Ly1 antibody reactive clone	4.19	1.70	0.00
A_52_P134228	NM_028185	Lsm11	72290	U7 snRNP-specific Sm-like protein LSM11	4.05	1.70	0.00
A_52_P338110	NM_024190	Chmp1b	67064	chromatin modifying protein 1B	2.96	1.70	0.03
A_52_P402577	NM_024181	Dnajc10	66861	DnaJ (Hsp40) homolog, subfamily C, member 10	2.97	1.70	0.03
A_51_P174016	NM_008202	Slc39a7	14977	solute carrier family 39 (zinc transporter), member 7	3.45	1.70	0.01
A_51_P467410	NM_008722	Npm1	18148	nucleophosmin 1	3.42	1.70	0.01
A_52_P95601	NM_172151	Zdhhc8	27801	zinc finger, DHHC domain containing 8	3.55	1.70	0.01
A_51_P173022	NM_026330	Nsmce1	67711	non-SMC element 1 homolog (<i>S. cerevisiae</i>)	3.69	1.70	0.01
A_51_P203850	AK019727	4930539H1	178188	RIKEN cDNA 4930539H15 gene	2.82	1.70	0.05
A_51_P137150	NM_144831	Dhx8	217207	DEAH (Asp-Glu-Ala-His) box polypeptide 8	2.79	1.70	0.05
A_51_P258435	NM_026917	Zdhhc3	69035	zinc finger, DHHC domain containing 3	3.66	1.70	0.01
A_51_P258690	NM_009136	Scrg1	20284	scrapie responsive gene 1	3.91	1.70	0.00
A_51_P352140	NM_001013	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	4.18	1.70	0.00
A_51_P460302	NM_130863	Adrbk1	110355	adrenergic receptor kinase, beta 1	3.24	1.70	0.01
A_51_P424905	AK086185	Zfp384	269800	zinc finger protein 384	4.15	1.70	0.00
A_52_P601914	NM_146075	Lemd2	224640	LEM domain containing 2	5.29	1.70	0.00
A_52_P305289	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	4.05	1.70	0.00
A_51_P274789	NM_030690	Rai14	75646	retinoic acid induced 14	3.35	1.70	0.01
A_51_P188023	XM_974308	NA	NA	NA	3.49	1.70	0.01
A_51_P223665	NM_007951	Erh	13877	enhancer of rudimentary homolog (<i>Drosophila</i>)	3.67	1.70	0.01
A_51_P234728	NM_175116	Lpar6	67168	lysophosphatidic acid receptor 6	3.96	1.70	0.00
A_51_P253527	NM_026097	Rffl	67338	ring finger and FYVE like domain containing protein	3.32	1.70	0.01
A_51_P179604	NM_010282	Ggps1	14593	geranylgeranyl diphosphate synthase 1	2.88	1.70	0.04
A_52_P9795	BC068113	Cirh1a	21771	cirrhosis, autosomal recessive 1A (human)	2.84	1.70	0.05
A_51_P185509	NM_007896	Mapre1	13589	microtubule-associated protein, RP/EB family, member 1	3.48	1.70	0.01
A_52_P360085	NM_021529	Ppp2r3c	59032	protein phosphatase 2, regulatory subunit B'', gamma	3.31	1.69	0.01

A_51_P437787	NM_026650	Rbm28	68272	RNA binding motif protein 28	4.82	1.69	0.00
A_51_P156274	NM_010736	Ltbr	17000	lymphotoxin B receptor	3.20	1.69	0.02
A_51_P355820	BC027683	Zfp688	69234	zinc finger protein 688	3.14	1.69	0.02
A_52_P242329	NM_011914	Whsc2	24116	Wolf-Hirschhorn syndrome candidate 2 (human)	3.22	1.69	0.02
A_52_P302598	NM_009677	Ap1g1	11765	adaptor protein complex AP-1, gamma 1 subunit proteasome (prosome, macropain) 26S subunit, non-	2.73	1.69	0.07
A_52_P574190	NM_025894	Psmc12	66997	ATPase, 12	4.87	1.69	0.00
A_52_P480872	NM_145475	Cerk	223753	ceramide kinase	4.04	1.69	0.00
A_51_P121506	BC050948	Ate1	11907	arginyltransferase 1	4.09	1.69	0.00
A_52_P151284	NM_025907	Mettl6	67011	methyltransferase like 6	4.40	1.69	0.00
A_51_P149455	NM_007381	Acadl	11363	acyl-Coenzyme A dehydrogenase, long-chain	2.95	1.69	0.03
A_51_P163378	NA	NA	NA	NA	4.01	1.69	0.00
A_51_P300395	NM_027037	1700007K0	69318	RIKEN cDNA 1700007K09 gene	3.23	1.69	0.02
A_51_P216758	NM_021529	Ppp2r3c	59032	protein phosphatase 2, regulatory subunit B'', gamma	4.76	1.69	0.00
A_51_P147964	NM_026959	Stx18	71116	syntaxin 18	4.20	1.69	0.00
A_52_P327615	NM_181070	Rab18	19330	RAB18, member RAS oncogene family	3.70	1.69	0.01
A_51_P300216	NM_022309	Cbfb	12400	core binding factor beta SMG1 homolog, phosphatidylinositol 3-kinase-related	4.91	1.69	0.00
A_51_P457171	NM_001031	Smg1	233789	kinase (C. elegans)	3.46	1.69	0.01
A_52_P454361	AK077437	Hars	15115	histidyl-tRNA synthetase	3.64	1.69	0.01
A_52_P440445	AK087773	Polr1a	20019	polymerase (RNA) I polypeptide A	3.88	1.69	0.00
A_52_P572456	NM_177663	Isg20l2	229504	interferon stimulated exonuclease gene 20-like 2	3.31	1.69	0.01
A_52_P309884	NA	NA	NA	NA	2.71	1.69	0.07
A_51_P230382	NM_008815	Etv4	18612	ets variant gene 4 (E1A enhancer binding protein, E1AF)	2.99	1.69	0.03
A_51_P436839	NM_017405	Lsr	54135	lipolysis stimulated lipoprotein receptor	3.09	1.69	0.02
A_51_P414779	NM_007928	Mark2	13728	MAP/microtubule affinity-regulating kinase 2	3.53	1.69	0.01
A_51_P463497	NM_145135	Rnh1	107702	ribonuclease/angiogenin inhibitor 1	2.81	1.68	0.05
A_51_P296975	AK035659	2510003E0	72320	RIKEN cDNA 2510003E04 gene	3.16	1.68	0.02
A_51_P438363	NM_172703	Eif4g3	230861	eukaryotic translation initiation factor 4 gamma, 3	4.14	1.68	0.00
A_51_P190262	NM_009275	Srprb	20818	signal recognition particle receptor, B subunit	2.77	1.68	0.06
A_51_P420918	NM_020498	Ly6i	57248	lymphocyte antigen 6 complex, locus I	2.96	1.68	0.03

A_52_P556390	BC096528	Ralgapa2	241694	Ral GTPase activating protein, alpha subunit 2 (catalytic)	3.81	1.68	0.00
A_52_P408338	AK043160	S100pbp	74648	S100P binding protein	2.82	1.68	0.05
A_51_P245485	NM_181848	Optn	71648	optineurin	3.37	1.68	0.01
A_51_P292030	NM_030250	Nus1	52014	nuclear undecaprenyl pyrophosphate synthase 1 homolog (<i>S. cerevisiae</i>)	3.83	1.68	0.00
A_51_P197354	NM_023647	Nipa2	93790	non imprinted in Prader-Willi/Angelman syndrome 2 homolog (human)	3.29	1.68	0.01
A_51_P234174	NM_008886	Pms2	18861	postmeiotic segregation increased 2 (<i>S. cerevisiae</i>)	4.97	1.68	0.00
A_52_P24447	NM_024253	Nkg7	72310	natural killer cell group 7 sequence	3.88	1.68	0.00
A_51_P487219	BC079536	Cep110	26920	centrosomal protein 110	4.00	1.68	0.00
A_52_P606754	AK034700	NA	NA	NA	3.85	1.68	0.00
A_51_P302550	NA	NA	NA	NA	2.92	1.67	0.04
A_51_P284442	NM_026739	9530077C0	68283	RIKEN cDNA 9530077C05 gene	2.88	1.67	0.04
A_52_P284162	NM_009456	Ube2l3	22195	ubiquitin-conjugating enzyme E2L 3	4.12	1.67	0.00
A_52_P153541	AK172642	Bfar	67118	bifunctional apoptosis regulator	2.78	1.67	0.05
A_51_P290170	NM_019979	Selk	80795	selenoprotein K	4.24	1.67	0.00
A_51_P432907	AK012372	Gm10762	1E+08	predicted gene 10762	4.00	1.67	0.00
A_51_P226932	NM_133755	Tubgcp2	74237	tubulin, gamma complex associated protein 2	3.57	1.67	0.01
A_51_P326030	NM_145490	BC011426	224893	cDNA sequence BC011426	2.92	1.67	0.04
A_52_P95060	AK172517	Strn	268980	striatin, calmodulin binding protein	3.52	1.67	0.01
A_52_P636894	AK081953	2010106G0	66552	RIKEN cDNA 2010106G01 gene	3.01	1.67	0.03
A_51_P454797	NM_025534	Ccdc82	66396	coiled-coil domain containing 82	3.54	1.67	0.01
A_52_P231714	NM_013497	Creb3	12913	cAMP responsive element binding protein 3	3.03	1.67	0.03
A_52_P138906	AK048733	C230029D2	320255	RIKEN cDNA C230029D21 gene	3.20	1.67	0.02
A_51_P129767	NM_019824	Arpc3	56378	actin related protein 2/3 complex, subunit 3	4.35	1.67	0.00
A_52_P462296	NM_007755	Cpeb1	12877	cytoplasmic polyadenylation element binding protein 1	2.83	1.67	0.05
A_51_P437786	NM_026650	Rbm28	68272	RNA binding motif protein 28	4.18	1.67	0.00
A_51_P137688	AK087687	Pex1	71382	peroxisomal biogenesis factor 1	2.75	1.67	0.06
A_51_P519950	AK033374	Rsbn1l	242860	round spermatid basic protein 1-like	2.79	1.67	0.05
A_52_P112721	NM_178599	Comm8	27784	COMM domain containing 8	2.75	1.67	0.06
A_51_P257151	AK046591	Adipor2	68465	adiponectin receptor 2	2.88	1.67	0.04

A_52_P477649	AK158055	1810058I2	67705	RIKEN cDNA 1810058I24 gene	3.12	1.67	0.02
A_51_P389386	NM_026746	Nsmce2	68501	non-SMC element 2 homolog (MMS21, <i>S. cerevisiae</i>)	2.76	1.67	0.06
A_52_P10622	NM_010330	Emb	13723	embigin	4.31	1.67	0.00
A_52_P119290	NM_001029	Ate1	11907	arginyltransferase 1	3.13	1.67	0.02
A_51_P486132	NM_146154	Ppp1r8	100336	protein phosphatase 1, regulatory (inhibitor) subunit 8 protein (peptidyl-prolyl cis/trans isomerase) NIMA-	3.21	1.67	0.02
A_51_P199866	NM_023371	Pin1	23988	interacting 1	4.01	1.67	0.00
A_52_P481320	NA	NA	NA	NA	3.46	1.67	0.01
A_52_P499967	NM_194257	Fam118b	109229	family with sequence similarity 118, member B	3.44	1.67	0.01
A_51_P521125	NM_025740	Ccdc104	216618	coiled-coil domain containing 104	2.77	1.66	0.05
A_51_P306892	NM_145384	Pqlc2	212555	PQ loop repeat containing 2	2.86	1.66	0.05
A_51_P356144	NM_009224	Snrnp70	20637	small nuclear ribonucleoprotein 70 (U1)	3.84	1.66	0.00
A_51_P154679	NM_173186	Tbc1d24	224617	TBC1 domain family, member 24	3.80	1.66	0.00
A_51_P291227	NM_001005	Arhgap30	226652	Rho GTPase activating protein 30	4.22	1.66	0.00
A_51_P356775	AK010104	2310068C1	70205	RIKEN cDNA 2310068C19 gene	2.93	1.66	0.04
A_51_P369636	NM_026115	Hat1	107435	histone aminotransferase 1	4.52	1.66	0.00
A_51_P466701	XM_975192	Camsap1	227634	calmodulin regulated spectrin-associated protein 1	3.11	1.66	0.02
A_52_P277139	NM_030886	Ankrd17	81702	ankyrin repeat domain 17 calcium channel, voltage-dependent, L type, alpha 1S	3.53	1.66	0.01
A_51_P103541	L06234	Cacna1s	12292	subunit	3.28	1.66	0.01
A_51_P314168	NM_021888	Qtrt1	60507	queuine tRNA-ribosyltransferase 1	3.06	1.66	0.02
A_52_P755824	AK078024	NA	NA	NA	2.85	1.66	0.05
A_51_P202408	NM_008967	Ptgir	19222	prostaglandin I receptor (IP)	3.72	1.66	0.01
A_52_P278238	AK016937	Cep170	545389	centrosomal protein 170	4.51	1.66	0.00
A_52_P673421	NM_178606	Reep3	28193	receptor accessory protein 3	2.93	1.66	0.04
A_51_P143152	NM_024452	Luzp1	269593	leucine zipper protein 1	3.32	1.66	0.01
A_52_P220040	NM_001039	4933421E1	321000	RIKEN cDNA 4933421E11 gene 1-acylglycerol-3-phosphate O-acyltransferase 4	2.89	1.66	0.04
A_51_P346165	NM_026644	Agpat4	68262	(lysophosphatidic acid acyltransferase, delta)	2.80	1.66	0.05
A_52_P661606	NM_016966	Phgdh	236539	3-phosphoglycerate dehydrogenase	5.26	1.66	0.00
A_52_P344910	NM_009391	Ran	19384	RAN, member RAS oncogene family	4.13	1.66	0.00

A_52_P384916	AK136384	Nfkbiz	80859	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	2.72	1.66	0.07
A_52_P178738	NM_023248	Sbds	66711	Shwachman-Bodian-Diamond syndrome homolog (human)	2.72	1.66	0.07
A_51_P205953	NM_010448	Hnrnpab	15384	heterogeneous nuclear ribonucleoprotein A/B	2.82	1.66	0.05
A_51_P517096	NM_011997	Casp8ap2	26885	caspase 8 associated protein 2	3.34	1.66	0.01
A_51_P202003	NM_133693	Rbm42	68035	RNA binding motif protein 42	2.96	1.66	0.03
A_51_P131942	NM_027193	Dph5	69740	DPH5 homolog (<i>S. cerevisiae</i>)	3.61	1.66	0.01
A_51_P417077	NM_011700	Vill	22351	villin-like	3.16	1.66	0.02
A_52_P286605	BC052212	Phf20l1	239510	PHD finger protein 20-like 1	3.52	1.66	0.01
A_51_P363914	NM_007636	Cct2	12461	chaperonin containing Tcp1, subunit 2 (beta)	4.10	1.65	0.00
A_52_P154517	NM_134011	Tbrg4	21379	transforming growth factor beta regulated gene 4	3.49	1.65	0.01
A_51_P516362	NM_027889	Vps11	71732	vacuolar protein sorting 11 (yeast)	4.02	1.65	0.00
A_51_P469008	NM_010119	Ehd1	13660	EH-domain containing 1	4.01	1.65	0.00
A_51_P399960	NM_027422	Mier2	70427	mesoderm induction early response 1, family member 2	3.37	1.65	0.01
A_51_P321580	NM_011873	Dazap2	23994	DAZ associated protein 2	3.01	1.65	0.03
A_51_P461219	NM_178693	Coq4	227683	coenzyme Q4 homolog (yeast)	4.00	1.65	0.00
A_52_P381147	NM_175127	Fbxo28	67948	F-box protein 28	3.48	1.65	0.01
A_51_P157524	NM_148952	E2f4	104394	E2F transcription factor 4	2.73	1.65	0.07
A_51_P490348	NM_025423	1110059E2	66206	RIKEN cDNA 1110059E24 gene v-ral simian leukemia viral oncogene homolog B (ras related)	3.01	1.65	0.03
A_52_P253004	NM_022327	Ralb	64143		3.03	1.65	0.03
A_51_P179953	NM_027922	Ankle2	71782	ankyrin repeat and LEM domain containing 2	2.93	1.65	0.04
A_51_P400752	NM_010393	H2-Q5	15016	histocompatibility 2, Q region locus 5	2.83	1.65	0.05
A_51_P115085	NM_175749	Nup153	218210	nucleoporin 153	3.04	1.65	0.03
A_52_P441168	NA	NA	NA	NA	3.17	1.65	0.02
A_51_P198434	AK150790	H2-K1	14972	histocompatibility 2, K1, K region	3.55	1.65	0.01
A_52_P731758	AK078294	NA	NA	NA	3.90	1.65	0.00
A_51_P197378	NM_026217	Atg12	67526	autophagy-related 12 (yeast)	3.40	1.65	0.01
A_51_P239113	NM_011755	Zfp35	22694	zinc finger protein 35	3.45	1.65	0.01
A_51_P457706	NM_175667	Ankrd5	319196	ankyrin repeat domain 5	3.90	1.65	0.00
A_52_P572702	NM_001033	Gxylt1	223827	glucoside xylosyltransferase 1	3.01	1.65	0.03
A_52_P671812	XM_918536	LOC641192	641192	similar to heat shock protein 8	2.99	1.65	0.03

A_51_P306047	NM_024206	Sec13	110379	SEC13 homolog (<i>S. cerevisiae</i>)	2.93	1.65	0.04
A_51_P195573	NM_010066	Dnmt1	13433	DNA methyltransferase (cytosine-5) 1	3.09	1.65	0.02
A_52_P57359	NM_013835	Trove2	20822	TROVE domain family, member 2	2.89	1.65	0.04
A_51_P473229	NM_009565	Zbtb7b	22724	zinc finger and BTB domain containing 7B	3.17	1.65	0.02
A_51_P268103	NM_172253	Twistnb	28071	TWIST neighbor	3.30	1.65	0.01
A_51_P103261	NM_009198	Slc17a1	20504	solute carrier family 17 (sodium phosphate), member 1	2.87	1.64	0.04
A_52_P372032	NM_019553	Ddx21	56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	2.91	1.64	0.04
A_52_P587003	NM_011755	Zfp35	22694	zinc finger protein 35	3.53	1.64	0.01
A_51_P204860	NM_026221	Ppfibp1	67533	PTPRF interacting protein, binding protein 1 (liprin beta 1)	3.74	1.64	0.01
A_52_P723727	AK086918	NA	NA	NA	2.80	1.64	0.05
A_51_P326499	NM_007691	Chek1	12649	checkpoint kinase 1 homolog (<i>S. pombe</i>)	2.80	1.64	0.05
A_52_P525519	AK142182	Pkn3	263803	protein kinase N3	2.99	1.64	0.03
A_51_P142861	NM_009807	Casp1	12362	caspase 1	2.87	1.64	0.04
A_52_P225370	AK011855	2610201A1	70434	RIKEN cDNA 2610201A13 gene	4.05	1.64	0.00
A_52_P82510	NM_008707	Nmt1	18107	N-myristoyltransferase 1	3.40	1.64	0.01
A_52_P165315	NA	NA	NA	NA	3.18	1.64	0.02
A_52_P46020	XM_895070	NA	NA	NA	2.79	1.64	0.05
A_52_P409961	NM_028399	Ccnt2	72949	cyclin T2	2.94	1.64	0.03
A_51_P436719	NM_011431	Eftud2	20624	elongation factor Tu GTP binding domain containing 2	3.93	1.64	0.00
A_52_P198090	NM_029068	Snx16	74718	sorting nexin 16	2.80	1.64	0.05
A_52_P683991	NM_008261	Hnf4a	15378	hepatic nuclear factor 4, alpha	3.61	1.64	0.01
A_52_P34012	XM_358889	NA	NA	NA	2.77	1.64	0.05
A_51_P478920	NM_175353	Exoc6	107371	exocyst complex component 6	3.08	1.64	0.02
A_51_P137383	NM_152807	Ccdc137	67291	coiled-coil domain containing 137	3.05	1.64	0.02
A_52_P600038	NM_146128	Dlgap4	228836	discs, large homolog-associated protein 4 (<i>Drosophila</i>)	3.87	1.64	0.00
A_52_P256244	CJ326049	Cyp4f17	208285	cytochrome P450, family 4, subfamily f, polypeptide 17	3.75	1.64	0.00
A_51_P436928	NM_029767	Rps9	76846	ribosomal protein S9	3.11	1.64	0.02
A_52_P419455	NM_007413	Adora2b	11541	adenosine A2b receptor	3.09	1.64	0.02
A_51_P463428	NM_178149	Pik3ip1	216505	phosphoinositide-3-kinase interacting protein 1	3.25	1.64	0.01

A_51_P149325	NM_026545	Psmd8	57296	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	3.83	1.64	0.00
A_52_P33014	NM_146154	Ppp1r8	100336	protein phosphatase 1, regulatory (inhibitor) subunit 8	3.83	1.64	0.00
A_51_P344364	NM_030175	Hhipl2	78772	hedgehog interacting protein-like 2	3.95	1.64	0.00
A_51_P430357	NM_022993	Lrp10	65107	low-density lipoprotein receptor-related protein 10	2.88	1.64	0.04
A_51_P155522	NM_008945	Psmb4	19172	proteasome (prosome, macropain) subunit, beta type 4	4.00	1.64	0.00
A_51_P215293	AK173305	Pwwp2a	70802	PWWP domain containing 2A	3.33	1.63	0.01
A_51_P297480	NM_144491	Dph1	116905	DPH1 homolog (<i>S. cerevisiae</i>)	3.00	1.63	0.03
A_52_P120925	NM_175224	Metap1	75624	methionyl aminopeptidase 1	2.76	1.63	0.06
A_51_P493486	AK048179	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i>); translocated to, 4	2.97	1.63	0.03
A_52_P463962	NM_183296	Krtap16-10	71369	keratin associated protein 16-10	4.58	1.63	0.00
A_51_P146593	NM_146773	Olfir508	258769	olfactory receptor 508	2.72	1.63	0.07
A_51_P324351	NM_013900	Mfi2	30060	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	3.49	1.63	0.01
A_52_P220347	NM_011672	Ufd1l	22230	ubiquitin fusion degradation 1 like	2.76	1.63	0.06
A_52_P335548	NM_025824	Bzw1	66882	basic leucine zipper and W2 domains 1	2.76	1.63	0.06
A_51_P426943	NM_018855	Gas8	104346	growth arrest specific 8	2.73	1.63	0.07
A_51_P109766	NM_009503	Vcp	269523	valosin containing protein	2.74	1.63	0.07
A_51_P208240	NM_019418	Tnfsf14	50930	tumor necrosis factor (ligand) superfamily, member 14	3.63	1.63	0.01
A_52_P1125218	BC093523	Dda1	66498	DET1 and DDB1 associated 1	3.53	1.63	0.01
A_52_P649356	NM_027889	Vps11	71732	vacuolar protein sorting 11 (yeast)	4.41	1.63	0.00
A_51_P361535	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	3.20	1.63	0.02
A_52_P483799	NM_001033	NA	NA	NA	2.89	1.63	0.04
A_51_P323221	NM_175306	Phactr4	100169	phosphatase and actin regulator 4	3.16	1.63	0.02
A_51_P405423	AK010198	Smcr8	237782	Smith-Magenis syndrome chromosome region, candidate 8 homolog (human)	3.31	1.63	0.01
A_52_P197436	NA	NA	NA	NA	3.24	1.63	0.01

A_51_P369154	NM_144926	Sez6l2	233878	seizure related 6 homolog like 2	3.39	1.63	0.01
A_51_P433091	AK009365	Purb	19291	purine rich element binding protein B	4.13	1.63	0.00
A_51_P485542	NM_018737	Ctps2	55936	cytidine 5'-triphosphate synthase 2	3.05	1.63	0.02
A_51_P255875	NM_011061	Padi4	18602	peptidyl arginine deiminase, type IV	2.94	1.63	0.04
A_51_P339380	BC045208	Setmar	74729	SET domain and mariner transposase fusion gene	2.87	1.63	0.05
A_52_P634522	NA	NA	NA	NA	2.85	1.63	0.05
A_52_P240020	NM_146165	Aimp2	231872	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	2.84	1.63	0.05
A_51_P116419	NM_013790	Abcc5	27416	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	3.55	1.63	0.01
A_51_P266640	NM_026277	Nob1	67619	NIN1/RPN12 binding protein 1 homolog (<i>S. cerevisiae</i>)	3.81	1.63	0.00
A_52_P401295	XR_001856	NA	NA	NA	2.74	1.63	0.06
A_51_P104456	NM_022889	Pes1	64934	pescadillo homolog 1, containing BRCT domain (zebrafish)	3.81	1.63	0.00
A_52_P1189908	BI793804	Sox9	20682	SRY-box containing gene 9	2.71	1.63	0.07
A_52_P2081	U95114	Nhp2l1	20826	NHP2 non-histone chromosome protein 2-like 1 (<i>S. cerevisiae</i>)	2.94	1.63	0.04
A_51_P444795	AK149231	NA	NA	NA	4.70	1.63	0.00
A_52_P488200	NM_026269	1110007L1	67604	RIKEN cDNA 1110007L15 gene	5.05	1.62	0.00
A_51_P466490	NM_146205	Armc5	233912	armadillo repeat containing 5	2.87	1.62	0.04
A_52_P937	NM_025668	Spcs2	66624	signal peptidase complex subunit 2 homolog (<i>S. cerevisiae</i>)	2.76	1.62	0.06
A_52_P516893	NM_011755	Zfp35	22694	zinc finger protein 35	3.16	1.62	0.02
A_52_P676108	NM_027187	Rnaseh2a	69724	ribonuclease H2, large subunit	3.74	1.62	0.01
A_52_P422172	NM_011932	Dapp1	26377	dual adaptor for phosphotyrosine and 3-phosphoinositides 1	3.69	1.62	0.01
A_52_P261184	AK085780	Il1rl2	107527	interleukin 1 receptor-like 2	3.61	1.62	0.01
A_51_P155257	NM_022305	B4galt1	14595	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	2.85	1.62	0.05
A_52_P600318	NM_022813	Scamp2	24044	secretory carrier membrane protein 2	3.31	1.62	0.01
A_51_P120859	NM_008640	Laptm4a	17775	lysosomal-associated protein transmembrane 4A	3.27	1.62	0.01
A_52_P84302	AK132230	Esf1	66580	ESF1, nucleolar pre-rRNA processing protein, homolog (<i>S. cerevisiae</i>)	3.12	1.62	0.02

A_52_P949155	NA	NA	NA	NA	2.72	1.62	0.07
A_52_P83233	NM_011728	Xpa	22590	xeroderma pigmentosum, complementation group A	2.83	1.62	0.05
A_52_P619192	NM_198620	Rundc3b	242819	RUN domain containing 3B	3.37	1.62	0.01
A_52_P130596	NM_001025	Atf2	11909	activating transcription factor 2	2.80	1.62	0.05
A_51_P334604	NM_018765	Wbp4	22380	WW domain binding protein 4	2.95	1.62	0.03
A_52_P75975	AK081329	C130006E2	331563	hypothetical protein C130006E23	3.43	1.62	0.01
A_52_P354744	NM_011401	Slc2a3	20527	solute carrier family 2 (facilitated glucose transporter), member 3	3.00	1.62	0.03
A_51_P338924	NM_010509	Ifnar2	15976	interferon (alpha and beta) receptor 2	3.21	1.62	0.02
A_52_P547000	XM_892996	NA	NA	NA	2.71	1.62	0.07
A_52_P491544	NM_017464	Nedd9	18003	neural precursor cell expressed, developmentally down-regulated gene 9	4.09	1.62	0.00
A_51_P204075	NM_175399	Exosc4	109075	exosome component 4	3.11	1.62	0.02
A_51_P399924	NM_001005	Txlna	109658	taxilin alpha	2.72	1.62	0.07
A_52_P246082	NM_021461	Mknk1	17346	MAP kinase-interacting serine/threonine kinase 1	2.77	1.62	0.05
A_51_P249227	NM_008972	Ptma	19231	prothymosin alpha	4.23	1.61	0.00
A_51_P396273	NM_010937	Nras	18176	neuroblastoma ras oncogene	2.77	1.61	0.05
A_52_P314985	NA	NA	NA	NA	2.90	1.61	0.04
A_52_P88934	AK033428	Ubfd1	28018	ubiquitin family domain containing 1	3.01	1.61	0.03
A_52_P637440	NM_010447	Hnrnpa1	15382	heterogeneous nuclear ribonucleoprotein A1	3.29	1.61	0.01
A_52_P568731	NM_025505	Blzf1	66352	basic leucine zipper nuclear factor 1	3.07	1.61	0.02
A_51_P115197	NM_010833	Msn	17698	moesin	2.80	1.61	0.05
A_52_P508167	NM_010093	E2f3	13557	E2F transcription factor 3	3.26	1.61	0.01
A_52_P495031	NM_029418	9130401M1	75758	RIKEN cDNA 9130401M01 gene	4.33	1.61	0.00
A_51_P250551	NM_178380	Dhx38	64340	DEAH (Asp-Glu-Ala-His) box polypeptide 38	2.89	1.61	0.04
A_52_P656800	NM_198861	BC046404	192976	cDNA sequence BC046404	2.72	1.61	0.07
A_51_P442359	AK078302	NA	NA	NA	2.98	1.61	0.03
A_51_P235909	NM_026888	Phkg2	68961	phosphorylase kinase, gamma 2 (testis)	3.77	1.61	0.00
A_52_P34397	BC063047	Tcfe3	209446	transcription factor E3	3.03	1.61	0.03
A_52_P360552	NM_029777	Rhbdd1	76867	rhomboid domain containing 1	3.49	1.61	0.01
A_52_P447108	NM_025888	Kctd20	66989	potassium channel tetramerisation domain containing 20	2.80	1.61	0.05

A_52_P664559	NM_021559	Zfp191	59057	zinc finger protein 191	3.54	1.61	0.01
A_52_P558087	NM_026173	1200014M	67463	RIKEN cDNA 1200014M14 gene	2.78	1.61	0.05
A_52_P170761	NM_022979	Nup98	269966	nucleoporin 98	2.70	1.61	0.07
A_51_P340013	NM_178626	Cdc42se2	72729	CDC42 small effector 2	3.26	1.61	0.01
A_51_P286878	AK016577	Ttll11	74410	tubulin tyrosine ligase-like family, member 11	3.66	1.61	0.01
A_51_P135423	NM_001037	Capzb	12345	capping protein (actin filament) muscle Z-line, beta	4.38	1.61	0.00
A_52_P313813	NM_026631	Nhp2	52530	NHP2 ribonucleoprotein homolog (yeast)	2.83	1.61	0.05
A_51_P207031	NM_010876	Ncf1	17969	neutrophil cytosolic factor 1	3.83	1.61	0.00
A_52_P681495	NM_027930	Fam54a	71804	family with sequence similarity 54, member A	3.03	1.61	0.03
A_52_P512806	AK173210	Usp37	319651	ubiquitin specific peptidase 37	3.61	1.61	0.01
A_51_P250058	NA	NA	NA	NA	2.78	1.61	0.05
A_52_P310981	NM_007917	Eif4e	13684	eukaryotic translation initiation factor 4E	3.57	1.61	0.01
A_52_P445622	NM_025921	2610002M	67028	RIKEN cDNA 2610002M06 gene	3.04	1.61	0.03
A_52_P471502	NM_198606	Dcaf13	223499	DDB1 and CUL4 associated factor 13	3.41	1.61	0.01
A_52_P320686	NA	NA	NA	NA	4.16	1.61	0.00
A_51_P483839	NM_016706	Coil	12812	coilin	3.09	1.61	0.02
A_52_P682873	BC057661	Rabggtb	19352	RAB geranylgeranyl transferase, b subunit	3.21	1.61	0.02
A_51_P125050	NM_134139	Wdr74	107071	WD repeat domain 74	2.96	1.61	0.03
A_52_P103066	NM_008679	Ncoa3	17979	nuclear receptor coactivator 3	3.10	1.60	0.02
A_52_P622988	AK042211	Ednra	13617	endothelin receptor type A	3.85	1.60	0.00
A_51_P314487	NM_030229	Polr3h	78929	polymerase (RNA) III (DNA directed) polypeptide H	3.14	1.60	0.02
A_51_P481191	NM_027382	Hdac8	70315	histone deacetylase 8	3.77	1.60	0.00
A_52_P150851	AK028812	Adamts12	239337	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 12	3.09	1.60	0.02
A_52_P536082	NM_027297	Prpf4	70052	PRP4 pre-mRNA processing factor 4 homolog (yeast)	3.17	1.60	0.02
A_51_P428086	NM_009260	Spnb2	20742	spectrin beta 2	3.96	1.60	0.00
A_51_P379710	NM_133933	Rpn1	103963	ribophorin I	2.82	1.60	0.05
A_51_P233603	NM_011969	Psma7	26444	proteasome (prosome, macropain) subunit, alpha type 7	4.24	1.60	0.00
A_51_P100787	AX775977	Snw1	66354	SNW domain containing 1	3.74	1.60	0.01

A_51_P307467	NM_028753	Pop7	74097	processing of precursor 7, ribonuclease P family, (<i>S. cerevisiae</i>)	3.75	1.60	0.00
A_52_P553673	BC061503	Ttc17	74569	tetratricopeptide repeat domain 17	3.18	1.60	0.02
A_52_P521710	NM_172254	Dph3	105638	DPH3 homolog (KTI11, <i>S. cerevisiae</i>)	2.93	1.60	0.04
A_52_P363087	NM_011692	Vbp1	22327	von Hippel-Lindau binding protein 1	4.71	1.60	0.00
A_52_P442722	BC058699	Nol8	70930	nucleolar protein 8	2.82	1.60	0.05
A_52_P160970	NM_019921	Akap10	56697	A kinase (PRKA) anchor protein 10	4.04	1.60	0.00
A_51_P103229	AK011349	Rest	19712	RE1-silencing transcription factor	3.02	1.60	0.03
A_52_P82660	AK133212	Mcm9	71567	minichromosome maintenance complex component 9	3.27	1.60	0.01
A_51_P476008	NM_013854	Abcf1	224742	ATP-binding cassette, sub-family F (GCN20), member 1	3.27	1.60	0.01
A_52_P496870	NM_025521	2310011J0	66374	RIKEN cDNA 2310011J03 gene	3.16	1.60	0.02
A_51_P249414	NM_022408	Dgcr14	27886	DiGeorge syndrome critical region gene 14	4.07	1.60	0.00
A_51_P187231	NM_145453	Zcchc9	69085	zinc finger, CCHC domain containing 9	2.98	1.60	0.03
A_51_P504815	NM_025288	Stfa3	20863	stefin A3	2.86	1.60	0.05
A_52_P666824	NM_146084	Fam13b	225358	family with sequence similarity 13, member B	3.17	1.60	0.02
A_51_P395921	NM_033607	Uchl4	93841	ubiquitin carboxyl-terminal esterase L4	3.81	1.59	0.00
A_52_P318247	NM_026404	Slc35a4	67843	solute carrier family 35, member A4	4.21	1.59	0.00
A_51_P273879	NM_029775	Dcun1d5	76863	DCN1, defective in cullin neddylation 1, domain containing 5 (<i>S. cerevisiae</i>)	3.09	1.59	0.02
A_52_P682465	AK089360	Rps28	54127	ribosomal protein S28	3.16	1.59	0.02
A_52_P373782	NM_172695	Plaa	18786	phospholipase A2, activating protein	3.02	1.59	0.03
A_52_P54274	AK043055	Masp1	17174	mannan-binding lectin serine peptidase 1	3.80	1.59	0.00
A_52_P67079	NM_027185	Def6	23853	differentially expressed in FDCP 6	3.02	1.59	0.03
A_51_P315506	NM_133247	Usp33	170822	ubiquitin specific peptidase 33	3.20	1.59	0.02
A_51_P162676	NM_177778	Armc7	276905	armadillo repeat containing 7	3.86	1.59	0.00
A_52_P667287	NM_172856	Lass6	241447	LAG1 homolog, ceramide synthase 6	2.76	1.59	0.06
A_52_P908943	XM_979235	EG665756	665756	predicted gene, EG665756	3.85	1.59	0.00
A_52_P418644	NM_019755	Plp2	18824	proteolipid protein 2	3.98	1.59	0.00
A_51_P324273	NM_177267	Dcaf5	320808	DDB1 and CUL4 associated factor 5	3.60	1.59	0.01
A_51_P241111	NM_133884	Gpn2	100210	GPN-loop GTPase 2	2.82	1.59	0.05
A_51_P253204	NM_028805	Katnb1	74187	katanin p80 (WD40-containing) subunit B 1	3.47	1.59	0.01

				ATP synthase, H ⁺ transporting, mitochondrial F0			
A_52_P195798	NM_026536	Atp5s	68055	complex, subunit s	3.20	1.59	0.02
A_51_P311105	NM_009134	Scn10a	20264	sodium channel, voltage-gated, type X, alpha	2.91	1.59	0.04
A_52_P62085	NM_022325	Ctsz	64138	cathepsin Z	3.60	1.59	0.01
A_51_P440107	NM_026968	Manbal	69161	mannosidase, beta A, lysosomal-like	3.09	1.59	0.02
A_52_P48723	NM_053180	Cdk20	105278	cyclin-dependent kinase 20	3.00	1.59	0.03
A_52_P338039	NM_178613	4933433P1	66787	RIKEN cDNA 4933433P14 gene	2.71	1.59	0.07
A_51_P380541	NM_013911	Fbxl12	30843	F-box and leucine-rich repeat protein 12	2.99	1.59	0.03
				protein phosphatase 1, regulatory (inhibitor) subunit			
A_52_P391066	AK010836	Ppp1r12c	232807	12C	4.05	1.59	0.00
A_51_P397847	NM_025965	Ssr1	107513	signal sequence receptor, alpha	3.45	1.59	0.01
A_52_P280899	NM_028866	Wdr33	74320	WD repeat domain 33	2.78	1.58	0.05
A_51_P394676	BC040217	Mef2d	17261	myocyte enhancer factor 2D	3.01	1.58	0.03
A_52_P228079	NM_007497	Atf1	11908	activating transcription factor 1	2.75	1.58	0.06
A_51_P472867	NM_145226	Oas3	246727	2'-5' oligoadenylate synthetase 3	3.48	1.58	0.01
A_51_P372463	NM_008053	Fxr1	14359	fragile X mental retardation gene 1, autosomal homolog	3.94	1.58	0.00
A_52_P457700	NA	NA	NA	NA	3.87	1.58	0.00
A_52_P265524	NM_011026	P2rx4	18438	purinergic receptor P2X, ligand-gated ion channel 4	3.40	1.58	0.01
A_52_P207278	NM_011962	Plod3	26433	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	3.59	1.58	0.01
A_52_P653565	NA	NA	NA	NA	2.82	1.58	0.05
A_51_P274649	AK044348	NA	NA	NA	3.30	1.58	0.01
				tRNA 5-methylaminomethyl-2-thiouridylate			
A_52_P386837	NM_028063	Trmu	72026	methyltransferase	3.44	1.58	0.01
A_51_P513515	AK018656	Fer1l4	74562	fer-1-like 4 (C. elegans)	3.76	1.58	0.00
A_52_P332788	XM_001006	NA	NA	NA	2.86	1.58	0.05
A_51_P267740	NM_026934	Zc3h15	69082	zinc finger CCCH-type containing 15	4.19	1.58	0.00
A_51_P454207	NM_008679	Ncoa3	17979	nuclear receptor coactivator 3	3.52	1.58	0.01
A_51_P173692	NM_177250	Lingo4	320747	leucine rich repeat and Ig domain containing 4	3.01	1.58	0.03
A_51_P414448	NM_053089	Naa15	74838	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	2.73	1.58	0.07
A_52_P628741	NM_133985	Oxsr1	108737	oxidative-stress responsive 1	3.88	1.58	0.00

A_51_P216527	NM_145355	Rnf185	193670	ring finger protein 185	3.17	1.58	0.02
A_52_P218039	AK039642	Carkd	69225	carbohydrate kinase domain containing	2.83	1.58	0.05
A_51_P207570	NM_030064	Phf23	78246	PHD finger protein 23	3.04	1.57	0.03
A_51_P119106	NM_008774	Pabpc1	18458	poly(A) binding protein, cytoplasmic 1	2.90	1.57	0.04
A_52_P100199	NM_172511	Abhd10	213012	abhydrolase domain containing 10	2.89	1.57	0.04
A_52_P186352	NA	NA	NA	NA	3.01	1.57	0.03
A_51_P113769	AK037868	Glyr1	74022	glyoxylate reductase 1 homolog (Arabidopsis)	2.82	1.57	0.05
A_51_P384609	BC080729	Ddx10	77591	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	3.01	1.57	0.03
A_51_P114910	NM_007793	Cstb	13014	cystatin B	2.72	1.57	0.07
A_51_P279050	NM_008444	Kif3b	16569	kinesin family member 3B	4.52	1.57	0.00
A_51_P470503	NM_178069	Lsg1	224092	large subunit GTPase 1 homolog (S. cerevisiae)	2.97	1.57	0.03
A_52_P659762	NM_198425	Eid2	386655	EP300 interacting inhibitor of differentiation 2	2.73	1.57	0.07
A_51_P273005	NM_009611	Actl7a	11470	actin-like 7a	2.82	1.57	0.05
A_51_P195393	NM_025859	Arl1	104303	ADP-ribosylation factor-like 1	2.76	1.57	0.06
A_51_P108051	NM_011874	Psmc4	23996	4	3.66	1.57	0.01
A_52_P256399	NM_026518	Rnf146	68031	ring finger protein 146	2.72	1.57	0.07
A_51_P123805	XM_355637	NA	NA	NA	3.71	1.57	0.01
A_52_P668903	NA	NA	NA	NA	3.40	1.57	0.01
A_51_P294778	NM_172738	5730403M	232853	RIKEN cDNA 5730403M16 gene	3.84	1.57	0.00
A_52_P615274	NM_026001	Rnaseh2b	67153	ribonuclease H2, subunit B	3.14	1.57	0.02
A_51_P321643	NM_173371	H6pd	100198	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	2.77	1.57	0.06
A_52_P290069	AK019587	1700001J0	78126	RIKEN cDNA 1700001J04 gene	2.86	1.57	0.05
A_52_P557477	AK129111	Zfp609	214812	zinc finger protein 609	3.48	1.57	0.01
A_51_P226016	NM_011774	Slc30a4	22785	solute carrier family 30 (zinc transporter), member 4	2.79	1.57	0.05
A_51_P421182	NM_025575	Sys1	66460	SYS1 Golgi-localized integral membrane protein homolog (S. cerevisiae)	2.91	1.57	0.04
A_52_P418884	NM_017464	Nedd9	18003	neural precursor cell expressed, developmentally down-regulated gene 9	3.86	1.57	0.00
A_51_P136288	NM_021718	Ms4a4b	60361	membrane-spanning 4-domains, subfamily A, member 4B	2.87	1.57	0.04
A_51_P499195	NM_024253	Nkg7	72310	natural killer cell group 7 sequence	3.17	1.57	0.02

A_51_P519314	NM_025922	Itpa	16434	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	2.73	1.57	0.07
A_51_P142346	NM_178912	Fancm	104806	Fanconi anemia, complementation group M	2.76	1.57	0.06
A_51_P388847	NM_145934	Stap2	106766	signal transducing adaptor family member 2	4.33	1.57	0.00
A_51_P389957	NM_016758	Rgs14	51791	regulator of G-protein signaling 14	4.31	1.57	0.00
A_51_P243914	NM_018773	Skap2	54353	src family associated phosphoprotein 2	3.66	1.56	0.01
A_51_P186053	NM_026041	Rrp15	67223	ribosomal RNA processing 15 homolog (<i>S. cerevisiae</i>)	3.01	1.56	0.03
A_52_P883560	AK047935	NA	NA	NA	3.10	1.56	0.02
A_51_P402909	NM_010877	Ncf2	17970	neutrophil cytosolic factor 2	3.07	1.56	0.02
A_52_P647408	AK050859	Gspt2	14853	G1 to S phase transition 2	3.10	1.56	0.02
A_51_P391996	BC011329	Pgd	110208	phosphogluconate dehydrogenase	2.92	1.56	0.04
A_52_P15212	NM_009980	Ctbp2	13017	C-terminal binding protein 2	3.65	1.56	0.01
A_52_P266916	NM_001025	Otud7b	229603	OTU domain containing 7B	2.82	1.56	0.05
A_51_P424781	NM_025323	0610009D0	66055	RIKEN cDNA 0610009D07 gene	3.83	1.56	0.00
A_52_P478532	BC043060	Sfrs13a	14105	splicing factor, arginine/serine-rich 13A	4.82	1.56	0.00
A_51_P500424	NM_133763	Dnttip1	76233	deoxynucleotidyltransferase, terminal, interacting protein 1	3.48	1.56	0.01
A_51_P320466	NM_011299	Rps6ka2	20112	ribosomal protein S6 kinase, polypeptide 2	2.86	1.56	0.05
A_51_P232705	NM_029635	Commd9	76501	COMM domain containing 9	3.49	1.56	0.01
A_51_P450682	NM_199455	Tepp	73407	testis, prostate and placenta expressed	2.84	1.56	0.05
A_52_P84096	BC011329	Pgd	110208	phosphogluconate dehydrogenase	3.13	1.56	0.02
A_51_P123077	NM_011955	Nubp1	26425	nucleotide binding protein 1	3.18	1.56	0.02
A_52_P484081	NM_023230	Ube2v1	66589	ubiquitin-conjugating enzyme E2 variant 1	2.89	1.56	0.04
A_52_P207964	NM_025878	Mrps18b	66973	mitochondrial ribosomal protein S18B	3.17	1.55	0.02
A_52_P340700	NM_172395	Cdc42se1	57912	CDC42 small effector 1	2.84	1.55	0.05
A_52_P598674	BC031204	Ccdc14	239839	coiled-coil domain containing 14	3.62	1.55	0.01
A_52_P249611	NM_021313	Rnf25	57751	ring finger protein 25	3.38	1.55	0.01
A_52_P495224	NM_029447	Nln	75805	neurolysin (metallopeptidase M3 family)	2.84	1.55	0.05
A_52_P542005	NM_025644	Exosc1	66583	exosome component 1	3.15	1.55	0.02
A_52_P83386	NM_028932	Eaf1	74427	ELL associated factor 1	3.50	1.55	0.01
A_52_P149250	NM_012042	Cul1	26965	cullin 1	2.81	1.55	0.05
A_51_P492893	NM_028767	Foxp4	74123	forkhead box P4	2.85	1.55	0.05
A_52_P375764	NM_009444	Tgoln2	22135	trans-golgi network protein 2	3.45	1.55	0.01

A_52_P177271	NM_001039	MtI5	17771	metallothionein-like 5, testis-specific (tesmin)	2.91	1.55	0.04
A_51_P197252	NM_025884	Zfp830	66983	zinc finger protein 830	2.76	1.55	0.06
A_51_P154222	NM_053092	Kars	85305	lysyl-tRNA synthetase	3.28	1.55	0.01
A_51_P272005	NM_146200	Eif3c	56347	eukaryotic translation initiation factor 3, subunit C	3.66	1.55	0.01
A_52_P627177	NM_010833	Msn	17698	moesin	2.90	1.55	0.04
A_51_P242930	NM_020044	Lat2	56743	linker for activation of T cells family, member 2	5.31	1.55	0.00
A_52_P659258	BC023841	Ppat	231327	phosphoribosyl pyrophosphate amidotransferase	3.47	1.55	0.01
A_52_P466887	NM_001077	Hnrnpd	11991	heterogeneous nuclear ribonucleoprotein D	2.91	1.55	0.04
A_51_P195153	NM_013882	Gtse1	29870	G two S phase expressed protein 1	3.02	1.55	0.03
A_52_P131372	XM_913504	LOC633908	633908	similar to 40S ribosomal protein S19	2.88	1.55	0.04
A_52_P298933	NM_198619	2810408P1	242747	RIKEN cDNA 2810408P10 gene	2.87	1.55	0.04
A_51_P511060	NM_030165	Csgalnact2	78752	chondroitin sulfate N-acetylgalactosaminyltransferase 2	3.09	1.55	0.02
A_52_P178998	NM_174997	Fam168b	214469	family with sequence similarity 168, member B	2.94	1.54	0.04
A_52_P619388	NA	NA	NA	NA	2.75	1.54	0.06
A_51_P200027	NM_026148	Lims1	110829	LIM and senescent cell antigen-like domains 1	2.78	1.54	0.05
A_52_P7400	NM_007793	Cstb	13014	cystatin B	3.08	1.54	0.02
A_51_P185775	NM_028873	Dnajc14	74330	Dnaj (Hsp40) homolog, subfamily C, member 14	3.43	1.54	0.01
A_51_P216147	NM_007927	Emd	13726	emerin	2.95	1.54	0.03
A_52_P395064	NM_033072	Mbd6	110962	methyl-CpG binding domain protein 6	2.73	1.54	0.07
A_51_P415945	NM_008944	Psm2	19166	proteasome (prosome, macropain) subunit, alpha type 2	3.01	1.54	0.03
A_51_P118223	BC061236	Wdr70	545085	WD repeat domain 70	2.78	1.54	0.05
A_52_P843431	AK052308	NA	NA	NA	2.72	1.54	0.07
A_51_P170371	NM_031165	Hspa8	15481	heat shock protein 8	3.02	1.54	0.03
A_51_P483379	NM_011275	Rnaseh1	19819	ribonuclease H1	2.97	1.54	0.03
A_51_P141288	NM_010693	Lck	16818	lymphocyte protein tyrosine kinase	3.80	1.54	0.00
A_51_P346214	NM_013529	Gfpt2	14584	glutamine fructose-6-phosphate transaminase 2	3.37	1.54	0.01
A_51_P320786	NM_019726	Gps2	56310	G protein pathway suppressor 2	2.74	1.54	0.07
A_52_P111715	NM_172451	Galnt6	207839	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6	3.37	1.53	0.01

A_52_P216311	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	3.13	1.53	0.02
A_51_P289223	NM_010718	Limk2	16886	LIM motif-containing protein kinase 2	3.20	1.53	0.02
A_52_P497625	AK041324	A630001G21	319997	RIKEN cDNA A630001G21 gene	3.75	1.53	0.00
A_52_P193823	AK053431	Rpl9	20005	ribosomal protein L9	3.30	1.53	0.01
A_51_P320477	NA	NA	NA	NA	2.85	1.53	0.05
A_51_P339023	NM_175445	Rassf2	215653	Ras association (RalGDS/AF-6) domain family member 2	3.80	1.53	0.00
A_52_P101218	NM_153178	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	2.85	1.53	0.05
A_51_P299031	AK087072	NA	NA	NA	2.96	1.53	0.03
A_52_P1184000	NM_175294	Nucks1	98415	nuclear casein kinase and cyclin-dependent kinase substrate 1	3.14	1.53	0.02
A_51_P519837	NM_138585	Cherp	27967	calcium homeostasis endoplasmic reticulum protein	3.29	1.53	0.01
A_51_P281844	AK129336	Myef2	17876	myelin basic protein expression factor 2, repressor	3.24	1.53	0.01
A_52_P99531	NM_199056	lppk	75678	inositol 1,3,4,5,6-pentakisphosphate 2-kinase	2.79	1.53	0.05
A_51_P411225	NM_153138	Wipf1	215280	WAS/WASL interacting protein family, member 1 mediator of RNA polymerase II transcription, subunit 8	3.13	1.53	0.02
A_51_P376313	NM_173719	Med8	80509	homolog (yeast)	2.89	1.53	0.04
A_51_P451606	NM_011448	Sox9	20682	SRY-box containing gene 9	3.21	1.53	0.02
A_52_P198993	NM_133847	Tm9sf4	99237	transmembrane 9 superfamily protein member 4	3.25	1.53	0.01
A_51_P115666	NM_134087	Fam83h	105732	family with sequence similarity 83, member H	3.94	1.53	0.00
A_51_P179041	D87966	Tead4	21679	TEA domain family member 4	4.38	1.53	0.00
A_51_P174335	NM_009095	Rps5	20103	ribosomal protein S5	3.10	1.53	0.02
A_52_P555583	AK019946	5430417C01	78548	RIKEN cDNA 5430417C01 gene	2.73	1.53	0.07
A_52_P422675	BC090960	Hook3	320191	hook homolog 3 (Drosophila)	2.88	1.52	0.04
A_52_P262096	NM_029955	Ccdc93	70829	coiled-coil domain containing 93	3.31	1.52	0.01
A_51_P104960	NM_008947	Psmc1	19179	protease (prosome, macropain) 26S subunit, ATPase 1 myeloid/lymphoid or mixed lineage-leukemia	2.73	1.52	0.07
A_52_P949005	XM_892614	Gm6809	627912	translocation to 4 homolog pseudogene	2.84	1.52	0.05
A_52_P69740	NA	NA	NA	NA	2.84	1.52	0.05

A_52_P445828	NM_013853	Abcf2	27407	ATP-binding cassette, sub-family F (GCN20), member 2	2.85	1.52	0.05
A_51_P475076	NM_011692	Vbp1	22327	von Hippel-Lindau binding protein 1	3.69	1.52	0.01
A_52_P298071	NM_030100	Wibg	78428	within bgcn homolog (Drosophila)	3.60	1.52	0.01
A_52_P441937	NM_178932	Aoc2	237940	amine oxidase, copper containing 2 (retina-specific) ankyrin repeat and sterile alpha motif domain	3.30	1.52	0.01
A_52_P594430	NM_028301	Anks3	72615	containing 3	3.14	1.52	0.02
A_52_P42976	NM_027352	Gorasp2	70231	golgi reassembly stacking protein 2	2.79	1.52	0.05
A_51_P438821	NM_023258	Pycard	66824	PYD and CARD domain containing	3.30	1.52	0.01
A_51_P357195	XM_132740	NA	NA	NA	3.08	1.52	0.02
A_51_P246527	NM_009418	Tpp2	22019	tripeptidyl peptidase II	2.72	1.52	0.07
A_51_P375431	XM_358384	NA	NA	NA	3.72	1.52	0.01
A_51_P305693	NM_175238	Rif1	51869	Rap1 interacting factor 1 homolog (yeast)	2.92	1.52	0.04
A_51_P172412	NM_027882	Cic	71722	capicua homolog (Drosophila)	2.87	1.52	0.04
A_51_P285137	XM_358382	Dmxd2	235380	Dmx-like 2	2.77	1.52	0.05
A_52_P87987	AK089612	F830004M:320224		RIKEN cDNA F830004M19 gene	2.79	1.52	0.05
A_52_P38659	NM_029992	Tchp	77832	trichoplein, keratin filament binding Smg-5 homolog, nonsense mediated mRNA decay factor	2.86	1.52	0.05
A_51_P365399	NM_178246	Smg5	229512	(C. elegans)	3.24	1.52	0.01
A_51_P306527	NM_011738	Ywhah	22629	tyrosine 3-monooxygenase/tryptophan 5- monooxygenase activation protein, eta polypeptide	2.75	1.52	0.06
A_52_P260339	NM_010492	Ica1	15893	islet cell autoantigen 1	2.93	1.52	0.04
A_51_P159746	NM_025937	Nkap	67050	NFKB activating protein	2.83	1.51	0.05
A_51_P265576	NM_026434	Rbm18	67889	RNA binding motif protein 18	2.94	1.51	0.04
A_52_P582281	NM_201226	Lrrc47	72946	leucine rich repeat containing 47	3.46	1.51	0.01
A_51_P473498	NM_173398	Gpr171	229323	G protein-coupled receptor 171	3.50	1.51	0.01
A_52_P584335	NM_008034	Folr1	14275	folate receptor 1 (adult)	2.89	1.51	0.04
A_52_P635898	NM_010864	Myo5a	17918	myosin VA	3.11	1.51	0.02
A_52_P407602	NA	NA	NA	NA	3.21	1.51	0.02
A_51_P463060	NM_144805	Tmem40	94346	transmembrane protein 40	3.13	1.51	0.02
A_52_P351638	NM_020275	Tnfrsf10b	21933	tumor necrosis factor receptor superfamily, member 10b	2.89	1.51	0.04

A_51_P189343	NM_144941	Mtap7d1	245877	microtubule-associated protein 7 domain containing 1	2.95	1.51	0.03
A_51_P463570	NM_001042	Mast2	17776	microtubule associated serine/threonine kinase 2	3.16	1.51	0.02
A_51_P324572	NM_009818	Ctnna1	12385	catenin (cadherin associated protein), alpha 1	2.91	1.51	0.04
A_51_P208020	AK004783	Ulk3	71742	unc-51-like kinase 3 (C. elegans)	3.11	1.51	0.02
A_52_P455540	NM_001013	Ric8b	237422	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	3.15	1.51	0.02
A_51_P436051	NM_025383	Necap2	66147	NECAP endocytosis associated 2	2.89	1.51	0.04
A_52_P508053	NM_026072	Cwc27	67285	CWC27 spliceosome-associated protein homolog (S. cerevisiae)	3.60	1.51	0.01
A_52_P165842	X80434	Cirh1a	21771	cirrrosis, autosomal recessive 1A (human)	2.97	1.51	0.03
A_52_P507578	NM_030710	Slamf6	30925	SLAM family member 6	2.95	1.51	0.03
A_52_P570122	NA	NA	NA	NA	3.33	1.50	0.01
A_52_P381303	BC082565	Gins2	272551	GIN5 complex subunit 2 (Psf2 homolog)	3.28	1.50	0.01
A_52_P378406	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	2.92	1.50	0.04
A_52_P456629	NM_027296	Trnt1	70047	tRNA nucleotidyl transferase, CCA-adding, 1	2.75	1.50	0.06
A_51_P401730	NM_175153	2010321M09	69882	RIKEN cDNA 2010321M09 gene	2.79	1.50	0.05
A_52_P630502	NM_023200	Ppp1r7	66385	protein phosphatase 1, regulatory (inhibitor) subunit 7	3.33	1.50	0.01
A_51_P498023	NM_023912	Scyl1	78891	SCY1-like 1 (S. cerevisiae)	3.08	1.50	0.02
A_52_P426863	NM_178643	C230052I1	101831	RIKEN cDNA C230052I12 gene	2.81	1.50	0.05
A_51_P170946	NM_029804	Hnrnpm	76936	heterogeneous nuclear ribonucleoprotein M	3.06	1.50	0.02
A_51_P439824	NM_018771	Gipc1	67903	GIPC PDZ domain containing family, member 1	2.79	1.50	0.05
A_51_P140171	NM_024173	Atp6v1g1	66290	ATPase, H+ transporting, lysosomal V1 subunit G1	3.25	1.50	0.01
A_52_P223080	NM_144892	Ncoa5	228869	nuclear receptor coactivator 5	3.42	1.50	0.01
A_52_P370443	NM_024182	Riok3	66878	RIO kinase 3 (yeast)	3.04	1.50	0.03
A_51_P235002	NM_011598	Fabp9	21884	fatty acid binding protein 9, testis	3.30	1.50	0.01
A_51_P163079	NM_133735	Ptcd1	71799	pentatricopeptide repeat domain 1	3.18	1.50	0.02
A_52_P493322	NM_177899	D330038O06	330788	RIKEN cDNA D330038O06 gene	3.70	1.50	0.01
A_52_P375016	NM_173364	Zfp445	235682	zinc finger protein 445	3.06	1.50	0.02
A_51_P138744	NM_019933	Ptpn4	19258	protein tyrosine phosphatase, non-receptor type 4	3.30	1.49	0.01
A_52_P378629	AK032099	Dmxl2	235380	Dmx-like 2	3.19	1.49	0.02

A_52_P242973	NM_019951	Sec11a	56529	SEC11 homolog A (<i>S. cerevisiae</i>)	3.16	1.49	0.02
A_51_P328789	NM_172254	Dph3	105638	DPH3 homolog (KTI11, <i>S. cerevisiae</i>)	2.88	1.49	0.04
A_52_P537050	NM_016723	Uchl3	50933	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	2.97	1.49	0.03
A_51_P341066	NM_001029	Slc	20491	src-like adaptor	2.74	1.49	0.07
A_52_P489079	NM_020506	Xpo4	57258	exportin 4	2.85	1.49	0.05
A_52_P74427	NM_028152	Mms19	72199	MMS19 (MET18 <i>S. cerevisiae</i>)	2.83	1.49	0.05
A_52_P112816	NM_019501	Pdss1	56075	prenyl (solanesyl) diphosphate synthase, subunit 1	3.22	1.49	0.02
A_51_P196158	NM_025295	Btd	26363	biotinidase	3.21	1.49	0.02
A_52_P324825	NM_175414	Tspan9	109246	tetraspanin 9	2.90	1.49	0.04
A_51_P393726	NM_173865	Slc41a1	98396	solute carrier family 41, member 1	2.94	1.49	0.04
A_51_P471779	NM_026737	Phf5a	68479	PHD finger protein 5A	3.48	1.49	0.01
A_52_P691944	AK089339	NA	NA	NA	2.83	1.49	0.05
A_51_P212023	NM_016926	Sart3	53890	squamous cell carcinoma antigen recognized by T-cells 3	2.98	1.49	0.03
A_51_P350222	NM_001013	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	2.78	1.49	0.05
A_52_P654618	NM_001005	Znhit3	448850	zinc finger, HIT type 3	2.90	1.48	0.04
A_51_P238643	NM_021876	Eed	13626	embryonic ectoderm development	3.12	1.48	0.02
A_52_P603635	NM_019661	Ykt6	56418	YKT6 homolog (<i>S. Cerevisiae</i>)	3.10	1.48	0.02
A_52_P557837	NA	NA	NA	NA	4.04	1.48	0.00
A_51_P365964	NM_144884	Tor1a	30931	torsin family 1, member A (torsin A)	2.86	1.48	0.05
A_51_P257934	NM_033622	Tnfsf13b	24099	tumor necrosis factor (ligand) superfamily, member 13b	2.85	1.48	0.05
A_52_P232763	NM_008635	Mtap7	17761	microtubule-associated protein 7	2.81	1.48	0.05
A_52_P370022	NA	NA	NA	NA	2.74	1.48	0.07
A_52_P537381	NM_025447	Dimt1	66254	DIM1 dimethyladenosine transferase 1-like (<i>S. cerevisiae</i>)	2.95	1.48	0.03
A_52_P182118	NA	NA	NA	NA	2.79	1.48	0.05
A_52_P476602	NM_026203	Ahi1	52906	Abelson helper integration site 1	2.96	1.48	0.03
A_52_P523473	NM_172487	Prrt3	210673	proline-rich transmembrane protein 3	2.93	1.47	0.04
A_51_P414529	NM_172396	9130011J1	66818	RIKEN cDNA 9130011J15 gene	3.02	1.47	0.03
A_52_P463009	NM_013923	Rnf19a	30945	ring finger protein 19A	3.27	1.47	0.01
A_51_P235580	NM_022994	Dap3	65111	death associated protein 3	2.76	1.47	0.06

A_51_P255142	NM_016916	Blcap	53619	bladder cancer associated protein homolog (human)	3.04	1.47	0.03
A_52_P78123	NM_026893	Dcaf12	68970	DDB1 and CUL4 associated factor 12	3.69	1.47	0.01
A_52_P504302	NM_173180	Pmpca	66865	peptidase (mitochondrial processing) alpha	3.41	1.47	0.01
A_52_P258291	NM_011808	Ets1	23871	E26 avian leukemia oncogene 1, 5' domain	2.74	1.47	0.07
A_51_P508947	NM_023153	Cwc15	66070	CWC15 homolog (<i>S. cerevisiae</i>)	2.91	1.47	0.04
A_51_P515741	XM_894489	NA	NA	NA	3.20	1.47	0.02
A_51_P327021	NM_028356	Zbtb25	109929	zinc finger and BTB domain containing 25	4.05	1.47	0.00
A_52_P72587	NM_008859	Prkcq	18761	protein kinase C, theta	3.26	1.47	0.01
A_51_P343556	NM_175565	Cdv3	321022	carnitine deficiency-associated gene expressed in ventricle 3	3.09	1.46	0.02
A_52_P40168	NA	NA	NA	NA	3.00	1.46	0.03
A_51_P358792	NM_145547	Zfp189	230162	zinc finger protein 189	2.98	1.46	0.03
A_51_P413866	NM_008198	Cfb	14962	complement factor B	3.37	1.46	0.01
A_51_P181691	NM_145857	Nod2	257632	nucleotide-binding oligomerization domain containing 2	2.86	1.46	0.05
A_51_P114551	NM_028754	0610037L1	74098	RIKEN cDNA 0610037L13 gene	3.06	1.46	0.02
A_51_P337662	NM_172779	Ddx26b	236790	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	2.74	1.46	0.07
A_51_P489966	NM_009321	Tbca	21371	tubulin cofactor A	2.99	1.46	0.03
A_51_P161315	XM_127223	4930448F1	73992	RIKEN cDNA 4930448F12 gene	2.84	1.46	0.05
A_52_P502141	NM_172637	Hectd2	226098	HECT domain containing 2	2.88	1.46	0.04
A_51_P452109	AK009711	Wdr20a	69641	WD repeat domain 20A	2.93	1.46	0.04
A_51_P187491	NM_053087	Epgn	71920	epithelial mitogen	3.27	1.46	0.01
A_52_P100028	NM_009035	Rbpj	19664	recombination signal binding protein for immunoglobulin kappa J region	3.38	1.46	0.01
A_51_P267634	NM_178751	Orai2	269717	ORAI calcium release-activated calcium modulator 2	2.73	1.45	0.07
A_52_P541344	NM_018729	Cd244	18106	CD244 natural killer cell receptor 2B4	3.81	1.45	0.00
A_51_P386046	AK034280	Uba5	66663	ubiquitin-like modifier activating enzyme 5	3.37	1.45	0.01
A_52_P540302	NA	NA	NA	NA	2.79	1.45	0.05
A_52_P287456	NM_145523	Gca	227960	grancalcin	3.69	1.45	0.01
A_52_P59070	AK012972	2810403D2	69964	RIKEN cDNA 2810403D21 gene	4.21	1.45	0.00
A_52_P273438	NA	NA	NA	NA	4.04	1.45	0.00

A_51_P416397	NM_145476	Tbc1d22a	223754	TBC1 domain family, member 22a vesicle-associated membrane protein, associated	3.19	1.45	0.02
A_51_P361788	NM_013933	Vapa	30960	protein A	3.23	1.45	0.01
A_52_P563280	NM_001024	BC094916	545384	cDNA sequence BC094916	3.80	1.44	0.00
A_52_P218568	AK129091	Phf16	382207	PHD finger protein 16	3.36	1.44	0.01
A_51_P161874	NM_027212	Med30	69790	mediator complex subunit 30	3.03	1.44	0.03
A_52_P503597	NM_177771	Klhl18	270201	kelch-like 18 (Drosophila)	2.76	1.44	0.06
A_51_P489679	NM_013588	Lrrc23	16977	leucine rich repeat containing 23	3.66	1.44	0.01
A_52_P267446	NM_009282	Stag1	20842	stromal antigen 1	3.04	1.44	0.02
A_51_P271751	NM_145393	Ythdf2	213541	YTH domain family 2	3.49	1.44	0.01
A_51_P187210	NM_133702	Nol11	68979	nucleolar protein 11	2.88	1.44	0.04
A_52_P205714	NM_027133	Lnp	69605	limb and neural patterns	2.73	1.44	0.07
A_52_P625244	NM_011668	Ube3a	22215	ubiquitin protein ligase E3A	2.89	1.44	0.04
A_52_P312595	NA	NA	NA	NA	2.90	1.44	0.04
A_51_P347529	NM_177898	Nek5	330721	NIMA (never in mitosis gene a)-related expressed kinase 5	2.73	1.44	0.07
A_51_P360077	NM_175414	Tspan9	109246	tetraspanin 9	3.07	1.43	0.02
A_52_P571457	NM_027642	Phf6	70998	PHD finger protein 6	2.90	1.43	0.04
A_52_P468821	NM_020267	Trim44	80985	tripartite motif-containing 44	2.92	1.43	0.04
A_51_P476711	NM_028151	Skiv2l2	72198	superkiller viralicidic activity 2-like 2 (S. cerevisiae)	2.76	1.43	0.06
A_52_P39765	NM_053204	Erc1	111173	ELKS/RAB6-interacting/CAST family member 1	3.58	1.43	0.01
A_52_P73201	AK042238	Tgs1	116940	trimethylguanosine synthase homolog (S. cerevisiae)	2.78	1.43	0.05
A_52_P241725	AK021208	C330018D2	77422	RIKEN cDNA C330018D20 gene	3.07	1.43	0.02
A_52_P612868	XR_001671	NA	NA	NA	3.11	1.43	0.02
A_51_P170619	NM_028041	Ddx54	71990	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 transmembrane emp24-like trafficking protein 10 (yeast)	3.85	1.43	0.00
A_51_P371993	NM_026775	Tmed10	68581	(yeast)	2.86	1.42	0.05
A_51_P430165	NM_146250	Gpr1	241070	G protein-coupled receptor 1	3.40	1.42	0.01
A_51_P215887	NM_019698	Aldh18a1	56454	aldehyde dehydrogenase 18 family, member A1	2.82	1.42	0.05
A_52_P481423	AK129359	Cttnbp2nl	80281	CTTNBP2 N-terminal like	2.98	1.42	0.03
A_51_P169783	AK086378	Mare	17168	alpha globin regulatory element containing gene	2.87	1.42	0.04
A_52_P579951	NM_194340	C330019G0	215476	RIKEN cDNA C330019G07 gene	3.21	1.42	0.02

A_51_P140731	NM_013715	Cops5	26754	COP9 (constitutive photomorphogenic) homolog, subunit 5 (<i>Arabidopsis thaliana</i>)	2.79	1.42	0.05
A_52_P201232	NM_028198	Xpo5	72322	exportin 5	3.32	1.42	0.01
A_51_P108226	NM_183249	1100001G266107		RIKEN cDNA 1100001G20 gene	3.08	1.42	0.02
A_52_P456271	NM_025335	Tmem167	66074	transmembrane protein 167	2.87	1.42	0.04
A_52_P550185	NM_026615	Urm1	68205	ubiquitin related modifier 1 homolog (<i>S. cerevisiae</i>)	3.14	1.42	0.02
A_52_P458647	AK021182	C330006D177616		RIKEN cDNA C330006D17 gene	3.04	1.41	0.02
A_51_P400498	BC079668	Whsc1	107823	Wolf-Hirschhorn syndrome candidate 1 (human)	3.14	1.41	0.02
A_51_P260721	NM_016902	Nphp1	53885	nephronophthisis 1 (juvenile) homolog (human)	2.88	1.41	0.04
A_52_P134381	NM_025894	Psmd12	66997	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	3.19	1.41	0.02
A_52_P349694	NM_201244	Copg	54161	coatamer protein complex, subunit gamma	3.12	1.40	0.02
A_51_P184156	NM_007685	Cfc1	12627	cripto, FRL-1, cryptic family 1	3.05	1.40	0.02
A_51_P131364	NM_009151	Selplg	20345	selectin, platelet (p-selectin) ligand	2.83	1.40	0.05
A_51_P341324	NM_019785	Actr10	56444	ARP10 actin-related protein 10 homolog (<i>S. cerevisiae</i>)	3.53	1.40	0.01
A_51_P327642	NM_030560	Cwc22	80744	CWC22 spliceosome-associated protein homolog (<i>S. cerevisiae</i>)	3.23	1.40	0.02
A_52_P378056	XM_978851	Gm8062	666360	predicted gene 8062	3.33	1.40	0.01
A_52_P336713	NM_001033	Nom1	433864	nucleolar protein with MIF4G domain 1	2.88	1.40	0.04
A_52_P138895	NM_153559	Qsox2	227638	quiescin Q6 sulfhydryl oxidase 2	2.72	1.40	0.07
A_51_P242608	NM_175560	Zfp747	269997	zinc finger protein 747	2.72	1.40	0.07
A_51_P299934	NM_173022	BC048403	270802	cDNA sequence BC048403	2.83	1.40	0.05
A_51_P288026	NM_173400	Haus6	230376	HAUS augmin-like complex, subunit 6	3.04	1.39	0.03
A_52_P201867	AK040185	Lpp	210126	LIM domain containing preferred translocation partner in lipoma	3.18	1.39	0.02
A_52_P591791	NA	NA	NA	NA	3.05	1.39	0.02
A_52_P422885	NA	NA	NA	NA	3.04	1.39	0.02
A_52_P18665	NM_025772	Dtnbp1	94245	dystrobrevin binding protein 1	2.90	1.39	0.04
A_51_P324640	AK021208	C330018D277422		RIKEN cDNA C330018D20 gene	3.50	1.39	0.01
A_52_P519508	NM_013636	Ppp1cc	19047	protein phosphatase 1, catalytic subunit, gamma isoform	3.00	1.39	0.03
A_51_P102421	NM_019952	Clcf1	56708	cardiotrophin-like cytokine factor 1	3.15	1.39	0.02

A_52_P148798	NA	NA	NA	NA	2.83	1.39	0.05
A_51_P176185	NM_153569	Gak	231580	cyclin G associated kinase	3.21	1.39	0.02
A_51_P332003	NM_025651	Aste1	66595	asteroid homolog 1 (Drosophila)	2.97	1.39	0.03
A_52_P604618	BC029156	Sbf1	77980	SET binding factor 1	3.27	1.38	0.01
A_52_P505501	NM_026746	Nsmce2	68501	non-SMC element 2 homolog (MMS21, <i>S. cerevisiae</i>)	3.25	1.38	0.01
A_51_P363714	NM_016786	Ube2k	53323	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	3.23	1.38	0.01
A_52_P16166	NM_027830	Mcm9	71567	minichromosome maintenance complex component 9	2.75	1.38	0.06
A_52_P350306	XM_001005	Gm11472	668950	predicted gene 11472	2.72	1.38	0.07
A_52_P104107	NM_011755	Zfp35	22694	zinc finger protein 35	3.03	1.38	0.03
A_52_P683315	NM_134089	Scrib	105782	scribbled homolog (Drosophila)	3.09	1.38	0.02
A_52_P469512	NM_026000	Psmd9	67151	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9	2.72	1.37	0.07
A_51_P397564	NM_025645	Snrnp40	66585	small nuclear ribonucleoprotein 40 (U5)	2.89	1.37	0.04
A_51_P341978	NM_011666	Uba3	22200	ubiquitin-like modifier activating enzyme 3	2.99	1.36	0.03
A_51_P310100	AK029149	Rnaset2b	68195	ribonuclease T2B	2.79	1.36	0.05
A_52_P116006	NM_010266	Gda	14544	guanine deaminase	2.74	1.36	0.07
A_51_P396708	NM_025315	Med21	108098	mediator complex subunit 21	2.76	1.36	0.06
A_52_P677092	XM_358384	NA	NA	NA	2.91	1.36	0.04
A_52_P486063	AK028313	Slc25a3	18674	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 3	2.78	1.35	0.05
A_51_P404110	NM_001077	Fmn1	57778	formin-like 1	2.74	1.35	0.07
A_51_P442118	NM_001039	Gm6583	625424	predicted gene 6583	2.81	1.35	0.05
A_51_P406306	NM_172655	Hecw2	329152	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	3.23	1.35	0.01
A_52_P1188907	AK089957	NA	NA	NA	3.39	1.34	0.01
A_51_P519648	NM_153396	Mical3	194401	microtubule associated monooxygenase, calponin and LIM domain containing 3	3.52	1.34	0.01
A_51_P295201	NM_153567	Slain2	75991	SLAIN motif family, member 2	2.78	1.34	0.05
A_52_P479599	NM_010438	Hk1	15275	hexokinase 1	2.73	1.33	0.07
A_52_P433425	NM_021421	Angel2	52477	angel homolog 2 (Drosophila)	3.11	1.33	0.02
A_51_P473907	NM_008443	Kif3a	16568	kinesin family member 3A	2.74	1.33	0.07

A_51_P291339	NM_182990	Ssrp1	20833	structure specific recognition protein 1	2.90	1.32	0.04
				proteasome (prosome, macropain) 26S subunit, ATPase			
A_52_P238044	NM_008949	Psmc3ip	19183	3, interacting protein	2.79	1.29	0.05
A_52_P175086	NM_130879	Usp48	170707	ubiquitin specific peptidase 48	-2.64	0.84	0.06
A_52_P216600	NM_013514	Epb4.9	13829	erythrocyte protein band 4.9	-2.70	0.80	0.05
A_52_P221630	NA	NA	NA	NA	-2.61	0.80	0.07
A_51_P231482	AK019524	Igsf3	78908	immunoglobulin superfamily, member 3	-2.65	0.80	0.06
A_51_P406414	NM_010470	Hp1bp3	15441	heterochromatin protein 1, binding protein 3	-3.03	0.79	0.02
A_52_P422162	AK078280	Armc8	74125	armadillo repeat containing 8	-2.69	0.79	0.05
				NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,			
A_52_P347591	NM_023202	Ndufa7	66416	7 (B14.5a)	-2.83	0.78	0.04
A_51_P355375	NM_021523	Huwe1	59026	HECT, UBA and WWE domain containing 1	-2.62	0.78	0.07
A_51_P399896	NM_010768	Matk	17179	megakaryocyte-associated tyrosine kinase	-3.00	0.77	0.02
				solute carrier family 24 (sodium/potassium/calcium			
A_51_P268496	NM_053195	Slc24a3	94249	exchanger), member 3	-2.91	0.77	0.03
A_52_P342039	BC022177	1700025G04	69399	RIKEN cDNA 1700025G04 gene	-2.76	0.77	0.05
A_52_P145878	AK164650	5530601H04	71445	RIKEN cDNA 5530601H04 gene	-2.65	0.77	0.06
A_51_P294445	NM_019396	Cyhr1	54151	cysteine and histidine rich 1	-2.68	0.76	0.05
				guanine nucleotide binding protein, alpha q polypeptide			
A_52_P668123	NM_008139	Gnaq	14682		-2.67	0.76	0.05
A_51_P274947	NM_026487	Atad1	67979	ATPase family, AAA domain containing 1	-3.87	0.76	0.00
A_52_P652859	NM_008481	Lama2	16773	laminin, alpha 2	-2.63	0.76	0.07
				phosphatidylinositol-specific phospholipase C, X domain			
A_51_P322658	NM_207279	Plcxd1	403178	containing 1	-2.61	0.76	0.07
A_51_P232384	NM_145566	Agfg2	231801	ArfGAP with FG repeats 2	-2.89	0.76	0.03
				a disintegrin and metallopeptidase domain 25 (testase			
A_51_P257892	NM_011781	Adam25	23793	2)	-4.16	0.76	0.00
A_51_P235994	NM_172882	Wdfy3	72145	WD repeat and FYVE domain containing 3	-3.01	0.76	0.02
A_51_P430563	NM_008098	Mtpn	14489	myotrophin	-2.84	0.76	0.03
A_52_P102248	XM_620516	Mex3b	108797	mex3 homolog B (C. elegans)	-2.84	0.76	0.03
A_52_P446011	AK044502	Etnk1	75320	ethanolamine kinase 1	-2.77	0.75	0.04
A_52_P1128347	BC059894	Syn3	27204	synapsin III	-2.70	0.75	0.05
A_51_P171136	AK006257	1700023A16	9371	RIKEN cDNA 1700023A16 gene	-2.88	0.75	0.03

A_52_P362403	NM_025274	Dppa5a	434423	developmental pluripotency associated 5A	-2.92	0.75	0.03
A_51_P141123	NM_009942	Cox5b	12859	cytochrome c oxidase, subunit Vb	-3.03	0.75	0.02
A_51_P175069	NM_172619	Adamts10	224697	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 10	-3.27	0.75	0.01
A_52_P544555	NM_024219	Hsbp1	68196	heat shock factor binding protein 1	-3.36	0.75	0.01
A_52_P476877	NM_001024	Rfx4	71137	regulatory factor X, 4 (influences HLA class II expression)	-2.65	0.75	0.06
A_51_P491635	NM_027366	Ly6g6e	70274	lymphocyte antigen 6 complex, locus G6E	-3.05	0.75	0.02
A_51_P318365	NM_010513	Igf1r	16001	insulin-like growth factor I receptor	-2.97	0.75	0.02
A_52_P1187714	AK032928	NA	NA	NA	-2.75	0.75	0.05
A_52_P434038	NM_030597	Lsm2	27756	LSM2 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	-2.74	0.74	0.05
A_52_P311392	AK009443	NA	NA	NA	-3.02	0.74	0.02
A_51_P451409	NM_177765	Ttll13	269954	tubulin tyrosine ligase-like family, member 13	-3.34	0.74	0.01
A_52_P146043	NM_009333	Tcf7l2	21416	transcription factor 7-like 2, T-cell specific, HMG-box	-3.09	0.74	0.02
A_52_P8863	AK031889	NA	NA	NA	-2.89	0.74	0.03
A_52_P69756	NM_178051	Mterfd2	69821	MTERF domain containing 2	-2.91	0.74	0.03
A_52_P156765	NM_027641	Spf1	70997	sperm flagellar 1	-3.07	0.74	0.02
A_52_P121960	NA	NA	NA	NA	-2.85	0.74	0.03
A_51_P176231	AK051663	Stox2	71069	storkhead box 2	-2.70	0.74	0.05
A_51_P452153	NM_027222	2010001M09	69816	RIKEN cDNA 2010001M09 gene	-2.97	0.74	0.02
A_51_P405304	NM_053172	Mepe	94111	matrix extracellular phosphoglycoprotein with ASARM motif (bone)	-2.74	0.74	0.05
A_51_P519276	NM_025843	Ndufb7	66916	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7	-3.23	0.74	0.01
A_51_P366227	NM_177359	Zfp799	240064	zinc finger protein 799	-3.19	0.74	0.01
A_52_P672825	BC106120	Rad9b	231724	RAD9 homolog B (<i>S. cerevisiae</i>)	-2.88	0.74	0.03
A_52_P12590	NM_033478	Ly6g6d	114654	lymphocyte antigen 6 complex, locus G6D	-2.78	0.74	0.04
A_51_P199041	NM_001012	Adcy5	224129	adenylate cyclase 5	-2.65	0.73	0.06
A_52_P23576	AK030792	Ccdc148	227933	coiled-coil domain containing 148	-3.42	0.73	0.01
A_52_P533792	NM_011506	Sucla2	20916	succinate-Coenzyme A ligase, ADP-forming, beta subunit	-2.79	0.73	0.04

A_52_P528726	NM_007750	Cox8a	12868	cytochrome c oxidase, subunit VIIIa	-2.76	0.73	0.04
A_52_P964651	AK158217	Fam65c	69553	family with sequence similarity 65, member C	-2.65	0.73	0.06
A_52_P549815	XM_621314	Dsp	109620	desmoplakin	-2.97	0.73	0.02
A_51_P337269	NM_144903	Aldob	230163	aldolase B, fructose-bisphosphate	-2.73	0.73	0.05
A_51_P187625	NM_013878	Cabp2	29866	calcium binding protein 2	-2.65	0.73	0.06
A_52_P75034	NM_001004	9930012K1	268759	RIKEN cDNA 9930012K11 gene	-2.82	0.73	0.04
A_51_P110371	NM_019573	Wwox	80707	WW domain-containing oxidoreductase	-2.69	0.73	0.05
A_51_P459091	NM_172550	A130042E2	216119	RIKEN cDNA A130042E20 gene	-2.81	0.73	0.04
A_51_P415870	NA	NA	NA	NA	-2.93	0.73	0.03
A_51_P109828	NM_025407	Uqcrc1	22273	ubiquinol-cytochrome c reductase core protein 1	-3.03	0.73	0.02
A_51_P148717	NM_175431	A830093I2	207921	RIKEN cDNA A830093I24 gene	-2.60	0.73	0.07
A_52_P979926	AK050149	NA	NA	NA	-3.01	0.73	0.02
A_52_P122234	BC049759	Myeov2	66915	myeloma overexpressed 2	-2.66	0.73	0.05
A_52_P649064	NA	NA	NA	NA	-2.78	0.73	0.04
A_52_P82247	NM_007808	Cycs	13063	cytochrome c, somatic	-2.67	0.73	0.05
A_52_P393120	NM_001076	1810012P1	66274	RIKEN cDNA 1810012P15 gene	-2.89	0.73	0.03
A_52_P308669	NM_030703	Cpn1	93721	carboxypeptidase N, polypeptide 1	-2.83	0.73	0.04
A_51_P483311	NM_183170	Mpv17l2	234384	MPV17 mitochondrial membrane protein-like 2	-2.63	0.73	0.07
A_51_P201390	XM_619279	NA	NA	NA	-2.93	0.73	0.02
A_52_P339011	NM_021360	Neurl1a	18011	neuralized homolog 1A (Drosophila)	-3.07	0.73	0.02
A_51_P427444	NM_017472	Snx3	54198	sorting nexin 3	-2.62	0.73	0.07
A_52_P348837	NM_172414	Fam164c	72350	family with sequence similarity 164, member C	-2.65	0.73	0.06
A_51_P128336	NM_172588	Serinc5	218442	serine incorporator 5	-2.83	0.73	0.04
A_52_P198780	NM_023873	Cep70	68121	centrosomal protein 70	-3.86	0.73	0.00
A_51_P141836	NM_133907	Ube3c	100763	ubiquitin protein ligase E3C	-2.77	0.73	0.04
A_51_P230267	NM_010391	H2-Q10	15007	histocompatibility 2, Q region locus 10	-2.81	0.72	0.04
A_51_P320304	NM_011122	Plod1	18822	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	-2.62	0.72	0.07
A_52_P389347	NM_023348	Snap29	67474	synaptosomal-associated protein 29	-2.61	0.72	0.07
A_51_P408749	AK169756	4933439C1	74476	RIKEN cDNA 4933439C10 gene	-2.71	0.72	0.05
A_51_P393958	NM_025995	Fbxo5	67141	F-box protein 5	-2.70	0.72	0.05
A_51_P127195	NM_013538	Cdca3	14793	cell division cycle associated 3	-2.63	0.72	0.07
A_52_P661587	NM_001025	2610301F0	545428	RIKEN cDNA 2610301F02 gene	-2.63	0.72	0.07
A_51_P392967	NM_053253	Zmynd10	114602	zinc finger, MYND domain containing 10	-2.64	0.72	0.07

A_51_P439426	NM_133360	Acaca	107476	acetyl-Coenzyme A carboxylase alpha	-2.90	0.72	0.03
A_52_P257547	NM_024179	0610009O2	66839	RIKEN cDNA 0610009O20 gene	-2.78	0.72	0.04
A_52_P390918	NM_019797	Trip4	56404	thyroid hormone receptor interactor 4	-2.90	0.72	0.03
A_51_P431316	NM_025773	Ube2w	66799	ubiquitin-conjugating enzyme E2W (putative)	-2.99	0.72	0.02
A_51_P488718	NM_026846	Zfand2b	68818	zinc finger, AN1 type domain 2B	-3.14	0.72	0.01
A_51_P277683	M62541	Ms4a1	12482	membrane-spanning 4-domains, subfamily A, member 1 solute carrier family 5 (sodium/glucose cotransporter),	-3.56	0.72	0.01
A_52_P271085	NM_146198	Slc5a11	233836	member 11	-3.09	0.72	0.02
A_52_P322467	AK032189	Nit1	27045	nitrilase 1	-2.88	0.72	0.03
A_52_P374681	NM_177394	A730011L0	338371	RIKEN cDNA A730011L01 gene	-2.80	0.72	0.04
A_52_P602188	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-2.89	0.72	0.03
A_51_P303397	NM_008820	Pepd	18624	peptidase D DCN1, defective in cullin neddylation 1, domain	-2.71	0.72	0.05
A_52_P414420	NM_033623	Dcun1d1	114893	containing 1 (<i>S. cerevisiae</i>)	-2.68	0.72	0.05
A_52_P250883	NA	NA	NA	NA	-2.65	0.72	0.06
A_51_P356536	AK020330	9230110I0	77698	RIKEN cDNA 9230110I02 gene	-3.48	0.72	0.01
A_52_P82488	NM_021476	Cysltr1	58861	cysteinyl leukotriene receptor 1	-3.53	0.72	0.01
A_51_P176625	BC026442	Zbtb8os	67106	zinc finger and BTB domain containing 8 opposite strand	-2.60	0.72	0.07
A_52_P685828	NM_010888	Ndufs6	407785	NADH dehydrogenase (ubiquinone) Fe-S protein 6 Williams-Beuren syndrome chromosome region 28	-2.82	0.72	0.04
A_51_P517321	NM_194065	Wbscr28	76629	(human)	-2.79	0.72	0.04
A_52_P538709	NM_133932	Tada3	101206	transcriptional adaptor 3	-2.87	0.72	0.03
A_51_P224630	NM_026854	Dtwd2	68857	DTW domain containing 2 membrane bound O-acyltransferase domain containing	-2.78	0.72	0.04
A_51_P144868	NM_029934	Mboat7	77582	7	-2.94	0.71	0.02
A_52_P549418	NM_011505	Stxbp4	20913	syntaxin binding protein 4	-3.12	0.71	0.01
A_51_P452861	AK147511	1810043G0	67884	RIKEN cDNA 1810043G02 gene	-3.28	0.71	0.01
A_52_P441044	AK087489	Rfxap	170767	regulatory factor X-associated protein	-2.93	0.71	0.02
A_51_P513979	NM_027283	1700026L0	69987	RIKEN cDNA 1700026L06 gene solute carrier family 35 (CMP-sialic acid transporter),	-3.20	0.71	0.01
A_51_P514421	NM_011895	Slc35a1	24060	member 1	-2.95	0.71	0.02

A_52_P325265	NM_026742	Ndufaf4	68493	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4	-3.38	0.71	0.01
A_52_P74524	NM_175239	NA	NA	NA	-2.74	0.71	0.05
A_52_P578768	NM_178746	Slc38a9	268706	solute carrier family 38, member 9	-2.71	0.71	0.05
A_51_P353856	NM_026861	Ubac2	68889	ubiquitin associated domain containing 2	-2.67	0.71	0.05
A_52_P510062	AK038230	NA	NA	NA	-3.32	0.71	0.01
A_51_P160664	NM_025379	Cox7b	66142	cytochrome c oxidase subunit VIIb	-2.85	0.71	0.03
A_52_P1012802	NM_008982	Ptprj	19271	protein tyrosine phosphatase, receptor type, J	-2.69	0.71	0.05
A_51_P403334	NM_024192	Cuedc2	67116	CUE domain containing 2	-2.68	0.71	0.05
A_51_P229732	AK015605	4930481B07	74937	RIKEN cDNA 4930481B07 gene	-2.97	0.71	0.02
A_51_P290191	NM_008243	Mst1	15235	macrophage stimulating 1 (hepatocyte growth factor-like)	-2.96	0.71	0.02
A_51_P341285	NM_018888	Uqcc	56046	ubiquinol-cytochrome c reductase complex chaperone, CBP3 homolog (yeast)	-2.72	0.71	0.05
A_52_P145861	NM_019388	Cd86	12524	CD86 antigen	-2.70	0.71	0.05
A_51_P224257	NM_021505	Anapc5	59008	anaphase-promoting complex subunit 5	-2.99	0.71	0.02
A_51_P407606	NM_028355	Tmem48	72787	transmembrane protein 48	-3.08	0.71	0.02
A_52_P435042	NM_145143	Mpp4	227157	membrane protein, palmitoylated 4 (MAGUK p55 subfamily member 4)	-2.86	0.71	0.03
A_51_P353056	NM_183221	Fat4	329628	FAT tumor suppressor homolog 4 (Drosophila)	-2.64	0.71	0.06
A_52_P348031	NM_021889	Syt9	60510	synaptotagmin IX	-3.07	0.71	0.02
A_52_P408459	AK088955	Spopl	76857	speckle-type POZ protein-like	-2.61	0.71	0.07
A_51_P412846	NM_028889	Efhd1	98363	EF hand domain containing 1	-3.37	0.71	0.01
A_52_P51078	NM_007801	Ctsh	13036	cathepsin H	-3.73	0.71	0.00
A_51_P365139	AK014911	Micalcl	70877	MICAL C-terminal like	-2.78	0.71	0.04
A_51_P408881	NM_019808	Pdlim5	56376	PDZ and LIM domain 5	-2.67	0.71	0.05
A_52_P297050	NM_023876	Elp4	77766	elongation protein 4 homolog (S. cerevisiae)	-2.97	0.71	0.02
A_51_P404275	NM_007410	Adh5	11532	alcohol dehydrogenase 5 (class III), chi polypeptide leucine zipper-EF-hand containing transmembrane protein 2	-2.75	0.71	0.05
A_51_P149960	NM_173012	Letm2	270035	prune homolog 2 (Drosophila)	-2.99	0.71	0.02
A_51_P326932	AK018172	Prune2	353211	prune homolog 2 (Drosophila)	-3.57	0.71	0.01
A_51_P261991	NM_007540	Bdnf	12064	brain derived neurotrophic factor	-2.81	0.71	0.04
A_52_P371705	NM_027351	Ppil3	70225	peptidylprolyl isomerase (cyclophilin)-like 3	-3.03	0.70	0.02

A_51_P480073	NM_007689	Chad	12643	chondroadherin	-2.71	0.70	0.05
A_52_P1011730	AK038827	A230066D(	380656	RIKEN cDNA A230066D03 gene	-3.68	0.70	0.00
A_52_P307447	NM_023290	Mkrn2	67027	makorin, ring finger protein, 2	-4.26	0.70	0.00
A_51_P221641	NM_026091	1700037HC	67326	RIKEN cDNA 1700037H04 gene	-3.16	0.70	0.01
A_52_P84447	NM_029832	Ddrgek1	77006	DDRKG domain containing 1	-3.81	0.70	0.00
A_51_P462533	AK028004	Syt7	54525	synaptotagmin VII	-2.66	0.70	0.06
A_51_P134533	NM_026416	S100a16	67860	S100 calcium binding protein A16	-2.79	0.70	0.04
A_51_P135322	NM_019478	Pqbp1	54633	polyglutamine binding protein 1	-2.62	0.70	0.07
A_51_P291936	NM_008060	Ganab	14376	alpha glucosidase 2 alpha neutral subunit	-2.71	0.70	0.05
A_52_P479539	AK047894	Cit	12704	citron	-3.00	0.70	0.02
A_51_P364339	NM_133666	Ndufv1	17995	NADH dehydrogenase (ubiquinone) flavoprotein 1	-3.53	0.70	0.01
A_52_P79506	NM_001024	Zfp667	384763	zinc finger protein 667	-3.07	0.70	0.02
A_52_P5454	NM_054042	Cd248	70445	CD248 antigen, endosialin	-2.70	0.70	0.05
A_52_P170754	NM_146045	B4galt7	218271	xylosylprotein beta1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I)	-2.68	0.70	0.05
A_51_P335077	NM_010888	Ndufs6	407785	NADH dehydrogenase (ubiquinone) Fe-S protein 6	-2.99	0.70	0.02
A_51_P249274	NM_027918	1300017J0	71775	RIKEN cDNA 1300017J02 gene	-2.78	0.70	0.04
A_51_P214837	NM_001039	Arhgap12	75415	Rho GTPase activating protein 12	-3.00	0.70	0.02
A_52_P151905	XM_285588	Gm5132	333452	predicted gene 5132	-4.01	0.70	0.00
A_51_P331462	NM_026832	Cgrrf1	68755	cell growth regulator with ring finger domain 1	-3.56	0.70	0.01
A_51_P128287	NM_027360	2010107E0	70257	RIKEN cDNA 2010107E04 gene	-2.72	0.70	0.05
A_52_P558699	NM_211355	Smek1	68734	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	-2.88	0.70	0.03
A_51_P333850	NM_001003	Senp7	66315	SUMO1/sentrin specific peptidase 7	-3.43	0.70	0.01
A_51_P473272	NM_019656	Tspan6	56496	tetraspanin 6	-3.24	0.70	0.01
A_52_P462239	AK084087	D130020G	320972	RIKEN cDNA D130020G16 gene	-3.15	0.70	0.01
A_52_P282186	AK173104	Slc45a4	106068	solute carrier family 45, member 4	-4.24	0.70	0.00
A_52_P170945	NM_146178	Ccdc106	232821	coiled-coil domain containing 106	-2.67	0.70	0.05
A_52_P663757	BC050866	Tnik	665113	TRAF2 and NCK interacting kinase	-3.26	0.70	0.01
A_51_P408082	NM_009692	Apoa1	11806	apolipoprotein A-I	-2.94	0.70	0.02
A_51_P382805	NM_027061	Zpbp2	69376	zona pellucida binding protein 2	-3.03	0.70	0.02
A_52_P111244	NA	NA	NA	NA	-2.73	0.70	0.05

				membrane bound O-acyltransferase domain containing			
A_52_P676390	NM_029934	Mboat7	77582	7	-2.89	0.70	0.03
A_52_P88091	NM_007883	Dsg2	13511	desmoglein 2	-3.46	0.70	0.01
A_52_P141404	NM_144814	Rcor3	214742	REST corepressor 3	-2.87	0.70	0.03
A_51_P506915	NM_019762	Pkp3	56460	plakophilin 3	-2.90	0.70	0.03
A_52_P652999	NM_178362	Sorbs1	20411	sorbin and SH3 domain containing 1	-2.68	0.70	0.05
				ATP synthase, H ⁺ transporting, mitochondrial F0			
A_52_P106929	BC049640	Atp5f1	11950	complex, subunit b, isoform 1	-2.79	0.70	0.04
A_52_P554382	X61497	NA	NA	NA	-3.31	0.70	0.01
A_52_P384079	AK029069	Rnf139	75841	ring finger protein 139	-2.85	0.69	0.03
A_52_P378452	AK170049	Tex261	21766	testis expressed gene 261	-2.72	0.69	0.05
A_51_P111380	AF223568	NA	NA	NA	-2.81	0.69	0.04
A_52_P127682	AK147384	Dagla	269060	diacylglycerol lipase, alpha	-2.74	0.69	0.05
A_51_P427964	XM_149772	NA	NA	NA	-3.33	0.69	0.01
A_52_P182659	NM_026444	Cs	12974	citrate synthase	-2.75	0.69	0.05
A_52_P575874	AK163649	Yme11	27377	YME1-like 1 (<i>S. cerevisiae</i>)	-3.60	0.69	0.01
A_52_P488437	NM_013738	Plek2	27260	pleckstrin 2	-3.95	0.69	0.00
A_51_P431669	NM_178113	Ncapd3	78658	non-SMC condensin II complex, subunit D3	-2.68	0.69	0.05
A_52_P328492	NM_001079	Gas2l3	237436	growth arrest-specific 2 like 3	-3.45	0.69	0.01
A_51_P413275	XM_901585	NA	NA	NA	-2.71	0.69	0.05
A_52_P342860	NM_007954	Es1	13884	esterase 1	-3.35	0.69	0.01
A_51_P364391	NM_175184	Fam125b	72543	family with sequence similarity 125, member B	-2.62	0.69	0.07
A_51_P503696	NM_001025	D4Ertd22e	213491	DNA segment, Chr 4, ERATO Doi 22, expressed	-2.87	0.69	0.03
A_52_P297276	NM_177616	Ccdc157	216516	coiled-coil domain containing 157	-3.09	0.69	0.02
				nudix (nucleoside diphosphate linked moiety X)-type			
A_51_P141502	AK017799	Nudt21	68219	motif 21	-2.96	0.69	0.02
A_52_P676219	NM_028258	Dzip1l	72507	DAZ interacting protein 1-like	-2.90	0.69	0.03
A_52_P632142	NM_172910	Dlgap2	244310	discs, large (<i>Drosophila</i>) homolog-associated protein 2	-2.73	0.69	0.05
A_51_P363871	NM_145486	2-Mar	224703	membrane-associated ring finger (C3HC4) 2	-3.27	0.69	0.01
A_52_P496202	NM_013892	Pcsk1n	30052	proprotein convertase subtilisin/kexin type 1 inhibitor	-2.71	0.69	0.05
A_51_P281384	NM_029734	Wdyhv1	76773	WDYHV motif containing 1	-2.70	0.69	0.05
A_51_P466270	NM_010417	Heph	15203	hephaestin	-2.74	0.69	0.05

A_52_P327791	AK032600	Cdadc1	71891	cytidine and dCMP deaminase domain containing 1	-3.03	0.69	0.02
A_51_P297993	NA	NA	NA	NA	-2.96	0.69	0.02
A_52_P223524	NM_027081	Fam116b	69440	family with sequence similarity 116, member B	-3.87	0.69	0.00
A_51_P176797	NM_172397	Limd2	67803	LIM domain containing 2	-3.26	0.69	0.01
A_51_P160328	NM_007624	Cbx3	12417	chromobox homolog 3 (Drosophila HP1 gamma)	-2.89	0.69	0.03
A_51_P222386	NM_134023	Tbc1d10a	103724	TBC1 domain family, member 10a	-3.11	0.69	0.01
A_51_P182693	NM_008727	Npr1	18160	natriuretic peptide receptor 1	-2.83	0.69	0.04
A_52_P187217	NM_172783	Phka2	110094	phosphorylase kinase alpha 2	-2.70	0.69	0.05
A_51_P353592	NM_025417	Commd4	66199	COMM domain containing 4	-3.09	0.69	0.02
A_51_P256665	NM_173006	Pon3	269823	paraoxonase 3	-3.14	0.69	0.01
A_52_P98674	NM_009771	Btrc	12234	beta-transducin repeat containing protein	-2.70	0.69	0.05
A_52_P583563	AK083630	Tom11l1	71943	target of myb1-like 1 (chicken)	-3.20	0.69	0.01
A_51_P361184	NM_026612	Ndufb2	68198	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	-3.56	0.69	0.01
A_51_P152802	NM_030145	Lsm6	78651	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-3.30	0.69	0.01
A_51_P433769	NM_144838	Sgtb	218544	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	-2.91	0.68	0.03
A_52_P390114	NM_145625	Eif4b	75705	eukaryotic translation initiation factor 4B	-2.72	0.68	0.05
A_51_P365138	BC031386	Micalcl	70877	MICAL C-terminal like	-4.33	0.68	0.00
A_52_P92905	NM_138309	Cd99l2	171486	CD99 antigen-like 2	-3.40	0.68	0.01
A_52_P662226	NM_173006	Pon3	269823	paraoxonase 3	-2.99	0.68	0.02
A_52_P160896	BC026950	Kynu	70789	kynureninase (L-kynurenine hydrolase)	-3.52	0.68	0.01
A_51_P400107	NM_011046	Furin	18550	furin (paired basic amino acid cleaving enzyme)	-2.62	0.68	0.07
A_51_P213928	NM_138742	Nap1l3	54561	nucleosome assembly protein 1-like 3	-3.55	0.68	0.01
A_51_P369516	NM_025839	Nudt16l1	66911	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	-2.66	0.68	0.06
A_52_P923110	AK031957	6330509M05	102913	RIKEN cDNA 6330509M05 gene	-2.74	0.68	0.05
A_51_P483617	NM_029554	0610040J01	76261	RIKEN cDNA 0610040J01 gene	-2.78	0.68	0.04
A_51_P286431	AK019053	NA	NA	NA	-2.77	0.68	0.04
A_51_P423859	NM_007601	Capn3	12335	calpain 3	-3.28	0.68	0.01
A_52_P172619	NM_053207	Egln1	112405	EGL nine homolog 1 (C. elegans)	-2.63	0.68	0.07
A_51_P304417	NM_001003	BC030307	103220	cDNA sequence BC030307	-2.84	0.68	0.03

A_51_P141610	BC052789	Cables2	252966	CDK5 and Abl enzyme substrate 2	-2.66	0.68	0.06
A_51_P245631	NM_028713	Rftn2	74013	raftlin family member 2	-2.93	0.68	0.02
A_52_P467140	NM_019776	Snd1	56463	staphylococcal nuclease and tudor domain containing 1	-2.69	0.68	0.05
A_52_P65610	XM_486062	NA	NA	NA	-3.06	0.68	0.02
A_52_P960434	NA	NA	NA	NA	-2.78	0.68	0.04
A_51_P152623	NM_008552	Mas1	17171	MAS1 oncogene	-2.64	0.68	0.06
A_51_P330144	NM_134126	Ift140	106633	intraflagellar transport 140 homolog (Chlamydomonas)	-2.85	0.68	0.03
A_51_P411601	NM_011931	Rfwd2	26374	ring finger and WD repeat domain 2	-2.75	0.68	0.05
A_52_P315328	NA	NA	NA	NA	-2.88	0.68	0.03
A_52_P105509	NM_018830	Asah2	54447	N-acylsphingosine amidohydrolase 2	-3.03	0.68	0.02
A_52_P188215	AK034089	3110047P2	319807	RIKEN cDNA 3110047P20 gene	-3.36	0.68	0.01
A_51_P174961	NM_007972	F10	14058	coagulation factor X	-3.13	0.68	0.01
A_52_P638798	AK163490	Mipol1	73490	mirror-image polydactyly gene 1 homolog (human)	-3.74	0.68	0.00
A_52_P466147	NM_027852	Rarres2	71660	retinoic acid receptor responder (tazarotene induced) 2	-3.20	0.68	0.01
A_51_P338837	NM_030695	Lrba	80877	LPS-responsive beige-like anchor	-2.76	0.68	0.05
A_52_P640922	AK220370	Dcdc2a	195208	doublecortin domain containing 2a	-2.70	0.68	0.05
A_51_P207636	NM_016774	Atp5b	11947	ATP synthase, H ⁺ transporting mitochondrial F1 complex, beta subunit	-2.83	0.68	0.04
A_51_P106428	XM_133876	Nsmce4a	67872	non-SMC element 4 homolog A (S. cerevisiae)	-2.61	0.68	0.07
A_52_P380124	NM_145851	Cables2	252966	CDK5 and Abl enzyme substrate 2	-3.15	0.68	0.01
A_52_P336268	NM_145427	Atpaf2	246782	ATP synthase mitochondrial F1 complex assembly factor 2	-2.74	0.68	0.05
A_51_P479352	NM_0010331	Klhdc9	68874	kelch domain containing 9	-3.77	0.68	0.00
A_51_P339417	NM_013905	Heyl	56198	hairy/enhancer-of-split related with YRPW motif-like	-3.33	0.68	0.01
A_51_P247175	AK147743	Ints10	70885	integrator complex subunit 10	-2.74	0.68	0.05
A_51_P353386	NM_153152	2410015M	224904	RIKEN cDNA 2410015M20 gene	-3.27	0.68	0.01
A_51_P494567	NM_144885	BC005624	227707	cDNA sequence BC005624	-3.12	0.68	0.01
A_52_P6828	BC054851	Xk	22439	Kell blood group precursor (McLeod phenotype) homolog	-3.36	0.68	0.01

A_52_P554845	NM_010433	Hipk2	15258	homeodomain interacting protein kinase 2	-2.83	0.68	0.04
A_52_P258266	AK038230	NA	NA	NA	-3.78	0.68	0.00
A_51_P118539	AK012399	2700049AC	76967	RIKEN cDNA 2700049A03 gene	-2.70	0.68	0.05
A_51_P224216	NM_020582	Atp5j2	57423	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2	-3.14	0.68	0.01
A_52_P253317	XM_980129	NA	NA	NA	-2.85	0.68	0.03
A_51_P228452	AK015009	4921537I1	70947	RIKEN cDNA 4921537I17 gene	-3.16	0.68	0.01
A_51_P468464	NM_201352	Gdpd5	233552	glycerophosphodiester phosphodiesterase domain containing 5	-2.94	0.68	0.02
A_52_P322412	NM_178779	Rnf152	320311	ring finger protein 152	-3.67	0.68	0.00
A_51_P256304	NM_025500	Mrpl37	56280	mitochondrial ribosomal protein L37	-2.77	0.67	0.04
A_51_P236314	AK004787	Ndst1	15531	N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1	-3.60	0.67	0.01
A_51_P145357	NM_011354	Serf2	378702	small EDRK-rich factor 2	-2.98	0.67	0.02
A_52_P522097	NM_028320	Adipor1	72674	adiponectin receptor 1	-2.89	0.67	0.03
A_52_P200359	NM_080633	Aco2	11429	aconitase 2, mitochondrial	-2.70	0.67	0.05
A_51_P302149	NM_007688	Cfl2	12632	cofilin 2, muscle	-3.69	0.67	0.00
A_52_P597371	NM_134094	Ncald	52589	neurocalcin delta	-3.27	0.67	0.01
A_52_P424840	NM_008626	Mrc2	17534	mannose receptor, C type 2	-4.48	0.67	0.00
A_51_P293575	AK089462	4930402H2	228602	RIKEN cDNA 4930402H24 gene	-3.39	0.67	0.01
A_52_P306162	NM_153399	Syne1	64009	synaptic nuclear envelope 1	-2.91	0.67	0.03
A_51_P328432	NA	NA	NA	NA	-3.22	0.67	0.01
A_51_P349912	NM_010230	Fmn1	14260	formin 1	-2.85	0.67	0.03
A_52_P527637	NM_024414	Stx1b	56216	syntaxin 1B	-3.22	0.67	0.01
A_51_P289987	NM_025604	Psmg3	66506	proteasome (prosome, macropain) assembly chaperone 3	-2.61	0.67	0.07
A_51_P228883	NM_016865	Htatip2	53415	HIV-1 tat interactive protein 2, homolog (human)	-2.61	0.67	0.07
A_52_P392121	NM_028763	Cbx6	494448	chromobox homolog 6	-2.99	0.67	0.02
A_52_P88722	NM_025483	Senp7	66315	SUMO1/sentrin specific peptidase 7	-2.60	0.67	0.07
A_51_P498403	NM_028065	Cnpy3	72029	canopy 3 homolog (zebrafish)	-3.18	0.67	0.01
A_51_P318966	NM_009844	Cd19	12478	CD19 antigen	-3.17	0.67	0.01
A_51_P251736	NM_007874	Reep5	13476	receptor accessory protein 5	-2.85	0.67	0.03
A_51_P338878	NM_027571	P2ry12	70839	purinergic receptor P2Y, G-protein coupled 12	-4.16	0.67	0.00
A_51_P164630	NM_026808	Fitm1	68680	fat storage-inducing transmembrane protein 1	-2.96	0.67	0.02

A_52_P147992	AK038412	Arglu1	234023	arginine and glutamate rich 1	-3.60	0.67	0.01
A_51_P386880	NM_016737	Stip1	20867	stress-induced phosphoprotein 1	-3.06	0.67	0.02
A_51_P168945	NM_016985	Mtmr1	53332	myotubularin related protein 1	-2.79	0.67	0.04
A_52_P679273	AK036632	2310001H176432		RIKEN cDNA 2310001H17 gene	-3.26	0.67	0.01
A_52_P67958	AK083707	B230308N1320060		RIKEN cDNA B230308N11 gene	-3.09	0.67	0.02
A_51_P508394	NM_146579	Olf1032	258572	olfactory receptor 1032	-2.89	0.67	0.03
				budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae)			
A_52_P110040	NM_009774	Bub3	12237		-2.94	0.67	0.02
A_52_P336977	NM_029090	Nat15	74763	N-acetyltransferase 15 (GCN5-related, putative)	-3.83	0.67	0.00
A_52_P375939	AK029391	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-2.63	0.67	0.07
A_52_P307961	NA	NA	NA	NA	-2.64	0.67	0.06
A_51_P293489	NM_139065	Rbm47	245945	RNA binding motif protein 47	-2.99	0.67	0.02
A_51_P439846	NM_054077	Prelp	116847	proline arginine-rich end leucine-rich repeat	-3.36	0.67	0.01
A_52_P22781	AK133399	D330038O06	330788	RIKEN cDNA D330038O06 gene	-2.95	0.67	0.02
A_52_P558382	AK039129	Mapk8	26419	mitogen-activated protein kinase 8	-2.73	0.67	0.05
A_52_P385139	NM_008098	Mtpn	14489	myotrophin	-3.60	0.67	0.01
A_52_P655982	NM_010926	Cox4nb	18117	COX4 neighbor	-4.41	0.67	0.00
A_51_P393518	BC016539	Hmcn1	545370	hemicentin 1	-2.94	0.67	0.02
A_51_P470443	NM_145522	Rabepk	227746	Rab9 effector protein with kelch motifs	-2.99	0.67	0.02
A_51_P468398	NM_175300	Anapc2	99152	anaphase promoting complex subunit 2	-2.76	0.67	0.05
A_52_P424959	NM_153457	Rtn1	104001	reticulon 1	-2.67	0.67	0.05
A_51_P271733	NM_033144	8-Sep	20362	septin 8	-2.63	0.67	0.07
A_52_P5982	AK032421	Clpb	20480	ClpB caseinolytic peptidase B homolog (E. coli)	-3.36	0.67	0.01
				NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4			
A_52_P552832	NM_010886	Ndufa4	17992		-4.22	0.66	0.00
A_52_P234554	XM_900750	NA	NA	NA	-3.10	0.66	0.02
A_52_P620817	AK030307	Armc9	78795	armadillo repeat containing 9	-2.69	0.66	0.05
A_51_P400527	NM_028975	Tmem33	67878	transmembrane protein 33	-3.64	0.66	0.00
A_51_P394515	NM_009388	Tkt	21881	transketolase	-3.30	0.66	0.01
				ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease)			
A_51_P221612	NM_009907	Cln3	12752		-2.64	0.66	0.06
A_52_P353038	NM_001025	Trim26	22670	tripartite motif-containing 26	-2.62	0.66	0.07
A_51_P375322	AK154949	Fam116b	69440	family with sequence similarity 116, member B	-3.17	0.66	0.01
A_52_P414138	NM_133218	Zfp704	170753	zinc finger protein 704	-2.65	0.66	0.06

A_51_P244303	NM_080470	Smc1b	140557	structural maintenance of chromosomes 1B	-2.88	0.66	0.03
A_51_P315646	NM_010911	Nfs1	18041	nitrogen fixation gene 1 (<i>S. cerevisiae</i>)	-4.04	0.66	0.00
A_51_P350472	AK139220	Cdkl5	382253	cyclin-dependent kinase-like 5	-3.99	0.66	0.00
A_52_P78938	AK030631	Lmbr1	56873	limb region 1	-2.74	0.66	0.05
A_51_P276063	NM_010726	Phyh	16922	phytanoyl-CoA hydroxylase	-3.41	0.66	0.01
A_51_P295708	NM_026748	Ints1	68510	integrator complex subunit 1	-3.08	0.66	0.02
A_52_P131997	NM_007788	Csnk2a1	12995	casein kinase 2, alpha 1 polypeptide	-2.61	0.66	0.07
A_52_P122664	NM_010264	Nr6a1	14536	nuclear receptor subfamily 6, group A, member 1	-2.78	0.66	0.04
A_52_P430179	NM_182930	Plekha6	240753	pleckstrin homology domain containing, family A member 6	-3.30	0.66	0.01
A_51_P323642	NM_053226	V1rb3	113853	vomer nasal 1 receptor, B3	-2.91	0.66	0.03
A_52_P654021	NM_009357	Tex261	21766	testis expressed gene 261	-2.61	0.66	0.07
A_52_P512427	XM_132808	2510049J1.70291		RIKEN cDNA 2510049J12 gene	-3.75	0.66	0.00
A_52_P671329	NM_133766	Efr3a	76740	EFR3 homolog A (<i>S. cerevisiae</i>)	-2.68	0.66	0.05
A_52_P380329	NM_198600	Papd7	210106	PAP associated domain containing 7	-2.68	0.66	0.05
A_52_P130490	BC090402	RP23-480B	665433	similar to histone 2a	-3.01	0.66	0.02
A_52_P525317	NM_008121	Gja5	14613	gap junction protein, alpha 5	-2.89	0.66	0.03
A_51_P212690	NM_146955	Olfr60	18361	olfactory receptor 60	-2.72	0.66	0.05
A_51_P123795	NM_177684	Zfp637	232337	zinc finger protein 637	-3.20	0.66	0.01
A_52_P194170	NM_026275	Ube2r2	67615	ubiquitin-conjugating enzyme E2R 2	-2.83	0.66	0.04
A_52_P218623	NA	NA	NA	NA	-2.90	0.66	0.03
A_52_P194805	NM_026521	Zfp706	68036	zinc finger protein 706	-2.85	0.66	0.03
A_51_P378173	NM_026787	1110012L1	68618	RIKEN cDNA 1110012L19 gene	-2.96	0.66	0.02
A_51_P269434	NM_026697	Rab14	68365	RAB14, member RAS oncogene family	-2.75	0.66	0.05
A_51_P449777	NM_022995	Pmepa1	65112	prostate transmembrane protein, androgen induced 1	-2.89	0.66	0.03
A_52_P423849	NM_015807	Nt5c	50773	5',3'-nucleotidase, cytosolic	-2.83	0.66	0.04
A_52_P60254	NA	NA	NA	NA	-3.03	0.66	0.02
A_51_P502957	NM_011505	Stxbp4	20913	syntaxin binding protein 4	-2.76	0.66	0.04
A_52_P821117	AV104666	D2Wsu81e	227695	DNA segment, Chr 2, Wayne State University 81, expressed	-2.60	0.66	0.07
A_51_P277431	NM_028804	Ccdc3	74186	coiled-coil domain containing 3	-3.35	0.66	0.01
A_51_P492797	NM_177736	Lrrc61	243371	leucine rich repeat containing 61	-3.51	0.66	0.01
A_51_P154196	NM_026029	Glod4	67201	glyoxalase domain containing 4	-3.18	0.66	0.01

A_52_P404363	NM_183016	Cdc42bpb	217866	CDC42 binding protein kinase beta	-2.71	0.66	0.05
A_52_P196458	NM_025943	Dzip1	66573	DAZ interacting protein 1	-3.25	0.66	0.01
A_51_P264186	NM_027862	Atp5h	71679	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit d	-3.22	0.66	0.01
A_52_P145482	NM_146061	Prr5	109270	proline rich 5 (renal)	-2.94	0.66	0.02
A_52_P516187	NA	NA	NA	NA	-2.74	0.66	0.05
A_51_P398517	NM_021540	Rnf130	59044	ring finger protein 130	-3.22	0.66	0.01
A_51_P303095	NM_024477	Ttc28	209683	tetratricopeptide repeat domain 28	-2.74	0.66	0.05
A_51_P368557	NM_138607	Fam50a	108160	family with sequence similarity 50, member A	-2.75	0.66	0.05
A_52_P298165	AK045826	Gm14964	1E+08	predicted gene 14964	-3.24	0.66	0.01
A_52_P325621	NA	NA	NA	NA	-3.75	0.66	0.00
A_51_P231738	NM_020566	Dnajc4	57431	DnaJ (Hsp40) homolog, subfamily C, member 4	-3.66	0.66	0.00
A_51_P107090	NM_001001	BC031181	407819	cDNA sequence BC031181	-2.99	0.66	0.02
A_52_P1173798	NA	NA	NA	NA	-3.41	0.66	0.01
A_51_P388478	NM_010110	Efnb1	13641	ephrin B1	-2.67	0.66	0.05
A_52_P610808	NM_001001	Hexdc	238023	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	-2.70	0.66	0.05
A_52_P458191	BC058520	Ccdc43	52715	coiled-coil domain containing 43	-3.17	0.66	0.01
A_51_P264878	NM_080595	Emid1	140703	EMI domain containing 1	-3.41	0.66	0.01
A_51_P249215	NM_008964	Ptger2	19217	prostaglandin E receptor 2 (subtype EP2) transmembrane and tetratricopeptide repeat containing	-3.03	0.65	0.02
A_52_P521091	NM_028651	Tmtc4	70551	4	-2.92	0.65	0.03
A_51_P114287	AK077833	Cpsf6	432508	cleavage and polyadenylation specific factor 6	-4.72	0.65	0.00
A_52_P152274	NM_024412	Clnka	12733	chloride channel Ka	-3.42	0.65	0.01
A_51_P449325	NM_008206	H2-Oa	15001	histocompatibility 2, O region alpha locus	-3.90	0.65	0.00
A_52_P62223	NM_009163	Sgpl1	20397	sphingosine phosphate lyase 1	-4.07	0.65	0.00
A_51_P176711	NM_026165	Slc25a46	67453	solute carrier family 25, member 46	-3.08	0.65	0.02
A_52_P154045	XM_485660	NA	NA	NA	-3.53	0.65	0.01
A_52_P143976	NM_134159	Il17rc	171095	interleukin 17 receptor C	-2.75	0.65	0.05
A_52_P234087	AK053336	Tek	21687	endothelial-specific receptor tyrosine kinase	-3.30	0.65	0.01
A_52_P155990	NM_130864	Acaa1a	113868	acetyl-Coenzyme A acyltransferase 1A	-2.82	0.65	0.04
A_52_P665928	NM_172529	Gnptg	214505	N-acetylglucosamine-1-phosphotransferase, gamma subunit	-2.75	0.65	0.05

A_52_P566406	NM_009531	Xpc	22591	xeroderma pigmentosum, complementation group C	-3.58	0.65	0.01
A_52_P405955	NM_080452	Mrps2	118451	mitochondrial ribosomal protein S2	-3.02	0.65	0.02
A_51_P195315	U68535	Akr1e1	56043	aldo-keto reductase family 1, member E1	-2.80	0.65	0.04
A_51_P224362	NM_198111	Akap6	238161	A kinase (PRKA) anchor protein 6	-3.96	0.65	0.00
A_52_P307922	BC029674	Flt1	14254	FMS-like tyrosine kinase 1	-2.93	0.65	0.02
A_52_P408553	AK047090	Tbl2	27368	transducin (beta)-like 2	-3.11	0.65	0.02
A_51_P142113	NM_015740	Bloc1s1	14533	biogenesis of lysosome-related organelles complex-1, subunit 1	-4.14	0.65	0.00
A_51_P246215	NM_027259	Polr2i	69920	polymerase (RNA) II (DNA directed) polypeptide I	-2.71	0.65	0.05
A_51_P309501	NM_138602	Praf2	54637	PRA1 domain family 2	-2.85	0.65	0.03
A_51_P198694	NM_144909	Gckr	231103	glucokinase regulatory protein	-3.07	0.65	0.02
A_51_P420276	NM_026162	Plxdc2	67448	plexin domain containing 2	-3.96	0.65	0.00
A_52_P275627	NM_008379	Kpnb1	16211	karyopherin (importin) beta 1	-2.67	0.65	0.05
A_51_P223111	NM_028661	Fam98c	73833	family with sequence similarity 98, member C	-2.73	0.65	0.05
A_51_P427768	NM_007858	Diap1	13367	diaphanous homolog 1 (Drosophila)	-3.13	0.65	0.01
A_51_P130475	NM_009523	Wnt4	22417	wingless-related MMTV integration site 4	-3.07	0.65	0.02
A_51_P410813	AK079732	Nav2	78286	neuron navigator 2	-2.82	0.65	0.04
A_51_P118417	NM_029023	Scsep1	74617	serine carboxypeptidase 1	-2.82	0.65	0.04
A_52_P330984	AK089989	Lin9	72568	lin-9 homolog (C. elegans)	-2.77	0.65	0.04
A_51_P224505	NM_009736	Bag1	12017	BCL2-associated athanogene 1	-2.61	0.65	0.07
A_51_P237746	AK004226	NA	NA	NA	-3.80	0.65	0.00
A_51_P204845	AK014492	Cugbp1	13046	CUG triplet repeat, RNA binding protein 1	-3.55	0.65	0.01
A_51_P436342	NM_008268	Hoxb5	15413	homeobox B5	-3.77	0.65	0.00
A_52_P567658	NM_198602	Cux1	13047	cut-like homeobox 1	-2.76	0.65	0.05
A_51_P106263	NM_133926	Camk1	52163	calcium/calmodulin-dependent protein kinase I	-2.96	0.65	0.02
A_51_P494686	NM_145937	Sumf1	58911	sulfatase modifying factor 1	-3.62	0.65	0.00
A_52_P398974	NM_012065	Pde6g	18588	phosphodiesterase 6G, cGMP-specific, rod, gamma	-3.75	0.65	0.00
A_51_P272123	NM_024197	Ndufa10	67273	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 10	-2.68	0.65	0.05
A_51_P306067	NM_178665	Lpp	210126	LIM domain containing preferred translocation partner in lipoma	-3.25	0.65	0.01

A_51_P110189	NM_053273	Ttyh2	117160	tweety homolog 2 (Drosophila)	-3.97	0.65	0.00
A_51_P433834	NM_146137	Amigo1	229715	adhesion molecule with Ig like domain 1	-3.28	0.65	0.01
A_51_P272993	NM_172290	Ntm	235106	neurotrimin	-3.07	0.65	0.02
A_51_P221801	NM_010163	Ext2	14043	exostoses (multiple) 2	-3.49	0.65	0.01
A_51_P381178	AK038975	Zbtb46	72147	zinc finger and BTB domain containing 46	-2.71	0.65	0.05
A_52_P435016	NM_019572	Hdac7	56233	histone deacetylase 7	-3.36	0.65	0.01
A_51_P212271	NM_031998	Tsga14	83922	testis specific gene A14	-3.07	0.65	0.02
A_51_P448677	NM_008790	Pcp2	18545	Purkinje cell protein 2 (L7)	-2.75	0.65	0.05
A_51_P232556	NM_028721	Nphp3	74025	nephronophthisis 3 (adolescent)	-2.80	0.65	0.04
A_51_P247873	NM_026061	Ndufb8	67264	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	-5.05	0.65	0.00
A_52_P622042	NM_053256	Pth2	114640	parathyroid hormone 2	-3.13	0.65	0.01
A_51_P268033	BC026638	Mgat4b	103534	mannoside acetylglucosaminyltransferase 4, isoenzyme B	-2.67	0.65	0.05
A_52_P128968	NM_029342	Nhej1	75570	nonhomologous end-joining factor 1	-3.17	0.65	0.01
A_52_P131778	NM_178886	Ldlrad3	241576	low density lipoprotein receptor class A domain containing 3	-4.14	0.65	0.00
A_51_P150710	NM_152839	Igj	16069	immunoglobulin joining chain	-3.53	0.65	0.01
A_52_P490493	NM_026599	Cgnl1	68178	cingulin-like 1	-2.68	0.65	0.05
A_51_P233226	NM_146091	Atl3	109168	atlastin GTPase 3	-3.74	0.65	0.00
A_52_P620893	BC030311	Armc8	74125	armadillo repeat containing 8	-2.90	0.64	0.03
A_51_P200819	NM_016764	Prdx4	53381	peroxiredoxin 4	-3.21	0.64	0.01
A_51_P155142	NM_026560	Cdca8	52276	cell division cycle associated 8	-2.73	0.64	0.05
A_51_P417998	NM_013757	Sytl4	27359	synaptotagmin-like 4	-2.93	0.64	0.02
A_51_P509229	NM_144925	Tnrc6a	233833	trinucleotide repeat containing 6a	-2.66	0.64	0.06
A_51_P329251	NM_025366	Chchd1	66121	coiled-coil-helix-coiled-coil-helix domain containing 1	-2.89	0.64	0.03
A_51_P177552	NM_023172	Ndufb9	66218	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9	-3.88	0.64	0.00
A_51_P260312	NM_172753	Csgalnact1	234356	chondroitin sulfate N-acetylgalactosaminyltransferase 1	-3.47	0.64	0.01
A_52_P31155	NM_177577	Dcdc2a	195208	doublecortin domain containing 2a	-3.16	0.64	0.01
A_51_P146953	NM_133229	Ripply3	170765	rippy3 homolog (zebrafish)	-2.86	0.64	0.03
A_51_P246690	NM_020329	Dolpp1	57170	dolichyl pyrophosphate phosphatase 1	-2.92	0.64	0.03

A_52_P95921	NM_028873	Dnajc14	74330	Dnaj (Hsp40) homolog, subfamily C, member 14	-3.23	0.64	0.01
A_51_P243963	NM_181315	Car5b	56078	carbonic anhydrase 5b, mitochondrial	-3.03	0.64	0.02
A_52_P153929	NM_178309	Brip1	237911	BRCA1 interacting protein C-terminal helicase 1	-2.86	0.64	0.03
A_52_P179905	AK006763	Ak2	11637	adenylate kinase 2	-3.01	0.64	0.02
A_52_P556134	XM_908122	NA	NA	NA	-2.69	0.64	0.05
A_52_P388359	NM_007453	Prdx6	11758	peroxiredoxin 6	-3.45	0.64	0.01
A_51_P367081	NM_011074	Cdk14	18647	cyclin-dependent kinase 14	-3.58	0.64	0.01
A_52_P315022	XM_917083	Syne2	319565	synaptic nuclear envelope 2	-2.80	0.64	0.04
A_51_P413740	NM_080845	Ftcd	14317	formiminotransferase cyclodeaminase	-2.78	0.64	0.04
A_52_P272811	NM_053193	Cpsf1	94230	cleavage and polyadenylation specific factor 1	-3.15	0.64	0.01
A_51_P512859	NM_007496	Zfhx3	11906	zinc finger homeobox 3	-4.03	0.64	0.00
A_51_P340805	NM_001039	Zkscan4	544922	zinc finger with KRAB and SCAN domains 4	-2.87	0.64	0.03
A_51_P400773	NM_008233	Hdgfrp2	15193	hepatoma-derived growth factor, related protein 2	-4.18	0.64	0.00
A_52_P360453	AK084271	3110052M02	73229	RIKEN cDNA 3110052M02 gene	-2.68	0.64	0.05
A_51_P307370	NM_011305	Rxra	20181	retinoid X receptor alpha	-4.16	0.64	0.00
A_52_P260592	NM_020601	Tbl1x	21372	transducin (beta)-like 1 X-linked	-3.49	0.64	0.01
A_52_P883283	AK034355	NA	NA	NA	-3.17	0.64	0.01
A_52_P195955	NM_028387	MacroD2	72899	MACRO domain containing 2	-2.70	0.64	0.05
A_52_P35064	NM_028454	Tm7sf2	73166	transmembrane 7 superfamily member 2	-2.68	0.64	0.05
A_51_P427317	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3	-4.13	0.64	0.00
A_52_P37091	NA	NA	NA	NA	-2.81	0.64	0.04
A_51_P467798	NM_022018	Fam129a	63913	family with sequence similarity 129, member A	-3.66	0.64	0.00
A_52_P20391	CB182661	NA	NA	NA	-3.05	0.64	0.02
A_52_P343381	NM_001033	1810064F2	69862	RIKEN cDNA 1810064F22 gene ArfGAP with GTPase domain, ankyrin repeat and PH	-3.24	0.64	0.01
A_51_P488121	NM_001033	Agap2	216439	domain 2	-2.73	0.64	0.05
A_52_P407022	NM_177411	Rab5b	19344	RAB5B, member RAS oncogene family	-2.78	0.64	0.04
A_51_P234627	BC062175	Nubpl	76826	nucleotide binding protein-like	-3.02	0.64	0.02
A_52_P62051	NM_030037	Mospd3	68929	motile sperm domain containing 3	-3.50	0.64	0.01
A_52_P426513	NM_019989	Sh3bgrl	56726	SH3-binding domain glutamic acid-rich protein like	-2.78	0.64	0.04
A_51_P196774	AK046456	Prr16	71373	proline rich 16	-2.67	0.64	0.05

A_51_P182456	AK009638	Pcgf3	69587	polycomb group ring finger 3	-3.01	0.64	0.02
A_51_P175784	NM_009719	Neurog3	11925	neurogenin 3	-2.73	0.64	0.05
A_51_P394244	XM_484075	NA	NA	NA	-3.12	0.64	0.01
A_51_P244543	NM_001002	2610507B1	72503	RIKEN cDNA 2610507B11 gene	-2.81	0.64	0.04
A_52_P149213	NA	NA	NA	NA	-3.28	0.64	0.01
A_51_P205573	NM_019435	Ndufb11	104130	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11	-2.94	0.64	0.02
A_51_P284918	BC028776	Tshz2	228911	teashirt zinc finger family member 2	-3.67	0.64	0.00
A_51_P469252	NM_172817	Zfp647	239546	zinc finger protein 647	-3.08	0.64	0.02
A_52_P604849	NM_013884	Cspg5	29873	chondroitin sulfate proteoglycan 5	-3.41	0.64	0.01
A_51_P321531	AF479672	Purg	75029	purine-rich element binding protein G	-3.14	0.64	0.01
A_51_P270733	NM_009303	Syngn1	20972	synaptogyrin 1	-4.73	0.64	0.00
A_51_P175146	NM_027769	Cpne3	70568	copine III	-3.34	0.64	0.01
A_51_P376934	NM_019517	Bace2	56175	beta-site APP-cleaving enzyme 2	-3.54	0.64	0.01
A_52_P175304	NM_013771	Yme11	27377	YME1-like 1 (<i>S. cerevisiae</i>)	-3.22	0.64	0.01
A_51_P388517	NM_001077	Ldb2	16826	LIM domain binding 2	-2.89	0.64	0.03
A_51_P210885	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-4.27	0.64	0.00
A_51_P394446	AK032385	Erc2	238988	ELKS/RAB6-interacting/CAST family member 2	-3.48	0.64	0.01
A_52_P964362	AW455994	NA	NA	NA	-4.16	0.64	0.00
A_52_P464003	NM_026402	Atg3	67841	autophagy-related 3 (yeast)	-2.70	0.64	0.05
A_51_P454166	NM_010829	Msh3	17686	mutS homolog 3 (<i>E. coli</i>)	-2.78	0.64	0.04
A_52_P277604	NM_172793	Btnl9	237754	butyrophilin-like 9	-3.49	0.64	0.01
A_51_P367298	BU554808	NA	NA	NA	-3.79	0.64	0.00
A_51_P345714	NM_011647	Tsc2	22084	tuberous sclerosis 2	-3.01	0.64	0.02
A_51_P207849	NM_026975	Bola1	69168	bolaA-like 1 (<i>E. coli</i>)	-3.33	0.64	0.01
A_51_P308347	NM_172826	Dact2	240025	dapper homolog 2, antagonist of beta-catenin (<i>xenopus</i>)	-3.59	0.64	0.01
A_52_P422618	NM_007397	Acvr2b	11481	activin receptor IIB	-2.75	0.64	0.05
A_51_P169128	NM_025879	2410002O2	66975	RIKEN cDNA 2410002O22 gene	-2.82	0.64	0.04
A_52_P335892	BC056383	Luc7l2	192196	LUC7-like 2 (<i>S. cerevisiae</i>)	-4.39	0.64	0.00
A_51_P280192	AK014035	1810027O1	169186	RIKEN cDNA 1810027O10 gene	-4.51	0.64	0.00
A_51_P497451	NM_178660	Rbms3	207181	RNA binding motif, single stranded interacting protein	-3.37	0.64	0.01
A_52_P128935	NM_026501	Fam134c	67998	family with sequence similarity 134, member C	-3.94	0.64	0.00

A_52_P372151	NM_018761	Ctnnal1	54366	catenin (cadherin associated protein), alpha-like 1	-2.64	0.64	0.06
A_51_P105263	NM_201355	Nat14	269854	N-acetyltransferase 14	-3.02	0.64	0.02
				translocase of inner mitochondrial membrane 8			
A_52_P520397	NM_013897	Timm8b	30057	homolog b (yeast)	-3.39	0.64	0.01
A_52_P684138	NM_058212	Dpf3	70127	D4, zinc and double PHD fingers, family 3	-3.73	0.64	0.00
A_51_P433228	NM_009829	Ccnd2	12444	cyclin D2	-2.76	0.64	0.04
A_52_P279120	NA	NA	NA	NA	-3.97	0.64	0.00
A_52_P524540	NA	NA	NA	NA	-3.66	0.64	0.00
A_51_P341664	NM_133228	Zfp87	170763	zinc finger protein 87	-3.41	0.64	0.01
A_52_P553069	AK052877	Prkg1	19091	protein kinase, cGMP-dependent, type I	-2.91	0.64	0.03
A_51_P331781	XM_127489	Fam151b	73942	family with sequence similarity 151, member B	-2.63	0.64	0.07
A_52_P473344	AK172219	Sreb2	20788	sterol regulatory element binding factor 2	-3.44	0.64	0.01
A_51_P321807	AK015841	4930519F0	114676	RIKEN cDNA 4930519F09 gene	-3.05	0.64	0.02
A_51_P436201	NM_010256	Gart	14450	phosphoribosylglycinamide formyltransferase	-3.31	0.64	0.01
A_52_P867545	XM_974120	NA	NA	NA	-2.84	0.64	0.03
A_52_P423183	NM_130864	Acaa1a	113868	acetyl-Coenzyme A acyltransferase 1A	-2.92	0.64	0.03
A_51_P177518	NM_025318	Tmem93	66048	transmembrane protein 93	-3.22	0.64	0.01
A_52_P297075	NM_177171	Heatr5a	320487	HEAT repeat containing 5A	-2.82	0.64	0.04
A_51_P405985	NM_133999	Fig4	103199	FIG4 homolog (<i>S. cerevisiae</i>)	-3.23	0.63	0.01
				CTD (carboxy-terminal domain, RNA polymerase II,			
A_51_P486943	NM_133710	Ctdspl	69274	polypeptide A) small phosphatase-like	-2.93	0.63	0.02
A_52_P57686	NM_144820	Ccdc28a	215814	coiled-coil domain containing 28A	-2.69	0.63	0.05
A_51_P241101	X61497	NA	NA	NA	-3.73	0.63	0.00
				CTD (carboxy-terminal domain, RNA polymerase II,			
A_52_P473953	NM_133710	Ctdspl	69274	polypeptide A) small phosphatase-like	-3.16	0.63	0.01
A_51_P496905	NM_007686	Cfi	12630	complement component factor i	-3.30	0.63	0.01
A_52_P436447	NM_028048	Slc25a35	71998	solute carrier family 25, member 35	-4.09	0.63	0.00
A_51_P158814	XM_994605	NA	NA	NA	-2.97	0.63	0.02
				pleckstrin homology domain containing, family J			
A_51_P196509	NM_023900	Plekhj1	78670	member 1	-2.67	0.63	0.05
				amyloid beta (A4) precursor protein-binding, family B,			
A_51_P149562	NM_009686	Apbb2	11787	member 2	-3.46	0.63	0.01
A_52_P276525	NM_175207	Ankrd9	74251	ankyrin repeat domain 9	-2.63	0.63	0.07

				phosphatidic acid phosphatase type 2 domain			
A_51_P321374	NM_145521	Ppapdc3	227721	containing 3	-2.78	0.63	0.04
A_52_P217838	NM_011732	Ybx1	22608	Y box protein 1	-4.37	0.63	0.00
A_51_P513085	NM_024240	Gins4	109145	GINS complex subunit 4 (Sld5 homolog)	-2.79	0.63	0.04
				solute carrier family 1 (neuronal/epithelial high affinity			
				glutamate transporter, system Xag), member 1			
A_52_P469277	AF087578	Slc1a1	20510	glutamate transporter, system Xag), member 1	-4.74	0.63	0.00
A_51_P162437	XM_898043	NA	NA	NA	-3.81	0.63	0.00
A_51_P319022	NM_009910	Cxcr3	12766	chemokine (C-X-C motif) receptor 3	-3.36	0.63	0.01
A_52_P366047	NM_145938	Rpp40	208366	ribonuclease P 40 subunit (human)	-2.69	0.63	0.05
A_52_P336357	NM_212433	Fbxo3	57443	F-box protein 3	-3.49	0.63	0.01
A_51_P143855	NM_026402	Atg3	67841	autophagy-related 3 (yeast)	-3.20	0.63	0.01
A_52_P14938	BB000796	NA	NA	NA	-3.27	0.63	0.01
A_52_P293785	NA	NA	NA	NA	-4.67	0.63	0.00
				membrane-bound transcription factor peptidase, site 1			
A_52_P589065	NM_019709	Mbtps1	56453	membrane-bound transcription factor peptidase, site 1	-3.81	0.63	0.00
A_51_P504658	NM_207142	Olf1036	258245	olfactory receptor 1036	-3.03	0.63	0.02
A_52_P285470	XM_130308	NA	NA	NA	-3.20	0.63	0.01
A_52_P16209	NM_001002	2610507B1	72503	RIKEN cDNA 2610507B11 gene	-2.63	0.63	0.07
A_51_P202050	NM_008052	Dtx1	14357	deltex 1 homolog (Drosophila)	-4.29	0.63	0.00
A_52_P15377	NM_011719	Wnt9b	22412	wingless-type MMTV integration site 9B	-2.61	0.63	0.07
A_52_P394111	NA	NA	NA	NA	-2.76	0.63	0.05
A_52_P136195	AB015858	Mycbp	56309	c-myc binding protein	-3.38	0.63	0.01
A_51_P289507	NM_172519	Dis3l	213550	DIS3 mitotic control homolog (S. cerevisiae)-like	-2.94	0.63	0.02
A_51_P303089	AK122427	Ttc28	209683	tetratricopeptide repeat domain 28	-3.45	0.63	0.01
				proline-rich Gla (G-carboxyglutamic acid) polypeptide 2			
A_51_P284233	NM_022999	Prrg2	65116	proline-rich Gla (G-carboxyglutamic acid) polypeptide 2	-3.02	0.63	0.02
A_52_P78423	AK039175	5330421C1	78279	RIKEN cDNA 5330421C15 gene	-3.18	0.63	0.01
A_52_P501890	NM_026332	Dnajc19	67713	Dnaj (Hsp40) homolog, subfamily C, member 19	-3.41	0.63	0.01
A_51_P266940	NM_172414	Fam164c	72350	family with sequence similarity 164, member C	-2.84	0.63	0.03
				WW domain containing E3 ubiquitin protein ligase 2			
				protein phosphatase 1, regulatory (inhibitor) subunit			
A_52_P110999	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2 protein phosphatase 1, regulatory (inhibitor) subunit	-3.19	0.63	0.01
A_52_P110157	NM_033371	Ppp1r16a	73062	16A	-4.46	0.63	0.00

A_51_P344586	NM_010616	Kif12	16552	kinesin family member 12	-3.13	0.63	0.01
A_51_P130079	NM_008511	Lrmp	16970	lymphoid-restricted membrane protein	-3.01	0.63	0.02
A_52_P258250	AK050742	B23021701	320879	RIKEN cDNA B230217012 gene	-3.80	0.63	0.00
A_52_P596080	AK088678	Hnrnpc	15381	heterogeneous nuclear ribonucleoprotein C COX11 homolog, cytochrome c oxidase assembly	-2.77	0.63	0.04
A_51_P214319	NM_199008	Cox11	69802	protein (yeast)	-3.73	0.63	0.00
A_52_P819555	AK048651	NA	NA	NA	-3.79	0.63	0.00
A_51_P116157	NA	NA	NA	NA	-2.78	0.63	0.04
A_52_P419059	NA	NA	NA	NA	-3.63	0.63	0.00
A_52_P154026	NM_001005	Zcwpw1	381678	zinc finger, CW type with PWWP domain 1	-4.65	0.63	0.00
A_51_P408604	NM_028115	Trub1	72133	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-3.02	0.63	0.02
A_52_P514317	NM_144902	Slc35a3	229782	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member 3	-4.72	0.63	0.00
A_51_P322022	NM_001012	Hspb6	243912	heat shock protein, alpha-crystallin-related, B6	-3.88	0.63	0.00
A_52_P338033	AK135612	Rcor3	214742	REST corepressor 3	-3.71	0.63	0.00
A_52_P514488	NM_177788	Exoc3l	277978	exocyst complex component 3-like	-3.63	0.63	0.00
A_51_P503352	NM_033079	D6Mm5e	110958	DNA segment, Chr 6, Miriam Meisler 5, expressed	-2.88	0.63	0.03
A_52_P280448	NA	NA	NA	NA	-3.09	0.63	0.02
A_52_P244702	NM_009331	Tcf7	21414	transcription factor 7, T-cell specific	-2.94	0.63	0.02
A_52_P423357	NM_145353	Yipf3	28064	Yip1 domain family, member 3	-3.47	0.62	0.01
A_51_P206203	NM_145379	Mrgprf	211577	MAS-related GPR, member F	-2.81	0.62	0.04
A_52_P340073	NM_010111	Efnb2	13642	ephrin B2	-2.78	0.62	0.04
A_52_P515036	NM_016865	Htatip2	53415	HIV-1 tat interactive protein 2, homolog (human)	-3.09	0.62	0.02
A_51_P518298	BC072613	Rnf187	108660	ring finger protein 187	-2.72	0.62	0.05
A_52_P194680	BI152977	NA	NA	NA	-4.14	0.62	0.00
A_52_P655297	NA	NA	NA	NA	-5.02	0.62	0.00
A_52_P117313	NM_018745	Azin1	54375	antizyme inhibitor 1	-5.17	0.62	0.00
A_52_P657317	NM_026938	Tmem160	69094	transmembrane protein 160	-4.35	0.62	0.00
A_52_P131353	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID Ras-GTPase-activating protein SH3-domain binding	-4.13	0.62	0.00
A_51_P367343	NM_013716	G3bp1	27041	protein 1	-2.70	0.62	0.05

A_52_P324754	NM_026916	4930579G2	69034	RIKEN cDNA 4930579G22 gene	-2.87	0.62	0.03
A_51_P293715	NM_054071	Fgfr1	116701	fibroblast growth factor receptor-like 1	-2.69	0.62	0.05
A_51_P470414	NM_138600	Aldh7a1	110695	aldehyde dehydrogenase family 7, member A1	-3.21	0.62	0.01
A_51_P247034	NM_133694	Fbxl15	68431	F-box and leucine-rich repeat protein 15	-3.52	0.62	0.01
A_51_P295575	NM_025530	Cutc	66388	cutC copper transporter homolog (E.coli)	-2.93	0.62	0.03
A_52_P262428	AK122343	Fkbp15	338355	FK506 binding protein 15	-3.04	0.62	0.02
A_52_P148678	AK169695	Plcg1	18803	phospholipase C, gamma 1	-2.99	0.62	0.02
A_52_P301503	NM_007941	Stx2	13852	syntaxin 2	-3.39	0.62	0.01
A_51_P102652	NM_023397	Mdp1	67881	magnesium-dependent phosphatase 1	-3.51	0.62	0.01
A_52_P323658	BC094586	Zfp422-rs1	77652	zinc finger protein 422, related sequence 1	-2.77	0.62	0.04
A_51_P501473	AK083741	G3bp1	27041	Ras-GTPase-activating protein SH3-domain binding protein 1	-3.05	0.62	0.02
A_52_P612137	NM_009822	Runx1t1	12395	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	-3.25	0.62	0.01
A_52_P463687	AK133434	AI426330	101563	expressed sequence AI426330	-3.00	0.62	0.02
A_51_P455946	NM_133223	Rac3	170758	RAS-related C3 botulinum substrate 3	-2.78	0.62	0.04
A_52_P335166	NM_001012	Slc2a9	117591	solute carrier family 2 (facilitated glucose transporter), member 9	-4.93	0.62	0.00
A_51_P494646	NM_001003	Rtn3	20168	reticulon 3	-2.67	0.62	0.05
A_51_P345362	NM_001003	Arhgef11	213498	Rho guanine nucleotide exchange factor (GEF) 11	-2.70	0.62	0.05
A_51_P431491	AB093257	Rab11fip3	215445	RAB11 family interacting protein 3 (class II)	-3.22	0.62	0.01
A_52_P640355	NM_027862	Atp5h	71679	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit d	-5.11	0.62	0.00
A_51_P431996	NM_175494	Zfp367	238673	zinc finger protein 367	-2.67	0.62	0.05
A_51_P488768	NM_178696	Slc25a44	229517	solute carrier family 25, member 44	-2.96	0.62	0.02
A_52_P594290	AK164078	Wdfy2	268752	WD repeat and FYVE domain containing 2	-3.60	0.62	0.01
A_52_P225249	NM_018772	Bri3	55950	brain protein I3	-2.90	0.62	0.03
A_51_P260871	NM_025848	Sdhd	66925	succinate dehydrogenase complex, subunit D, integral membrane protein	-3.58	0.62	0.01
A_52_P282700	NM_020256	Zbtb33	56805	zinc finger and BTB domain containing 33	-2.89	0.62	0.03
A_51_P312268	AK007938	1810062O1	175602	RIKEN cDNA 1810062O18 gene	-3.00	0.62	0.02
A_52_P676798	AK052696	Gigyf1	57330	GRB10 interacting GYF protein 1	-3.21	0.62	0.01
A_52_P74715	NA	NA	NA	NA	-3.94	0.62	0.00

A_51_P210877	NM_001024	Pcnp	76302	PEST proteolytic signal containing nuclear protein	-3.21	0.62	0.01
A_51_P377526	NM_009293	Sts	20905	steroid sulfatase	-3.41	0.62	0.01
A_51_P414706	NM_010027	Ddt	13202	D-dopachrome tautomerase	-3.92	0.62	0.00
A_52_P212429	NM_008209	Mr1	15064	major histocompatibility complex, class I-related	-3.93	0.62	0.00
A_52_P242445	NM_001024	Fam149b	105428	family with sequence similarity 149, member B	-3.76	0.62	0.00
A_52_P683441	NM_007602	Capn5	12337	calpain 5	-2.69	0.62	0.05
A_52_P480709	NM_009642	Agtrap	11610	angiotensin II, type I receptor-associated protein	-3.07	0.62	0.02
A_52_P570240	BC080858	Kbtbd11	74901	kelch repeat and BTB (POZ) domain containing 11	-3.81	0.62	0.00
A_52_P566390	NM_001008	Zfyve26	211978	zinc finger, FYVE domain containing 26	-2.64	0.62	0.07
A_51_P386389	NM_025914	Actr6	67019	ARP6 actin-related protein 6 homolog (yeast)	-2.69	0.62	0.05
				SWI/SNF related matrix associated, actin dependent			
A_51_P438293	AK133701	Smarcal1	54380	regulator of chromatin, subfamily a-like 1	-4.23	0.62	0.00
A_52_P676589	AK034561	Fzd8	14370	frizzled homolog 8 (Drosophila)	-3.12	0.62	0.01
A_52_P134530	AK152971	Rbm47	245945	RNA binding motif protein 47	-3.23	0.62	0.01
A_51_P390628	NM_146247	BC024814	239706	cDNA sequence BC024814	-3.29	0.62	0.01
A_52_P561650	NM_147776	Vwa1	246228	von Willebrand factor A domain containing 1	-4.64	0.62	0.00
A_51_P431831	NM_020253	Nrxn2	18190	neurexin II	-6.22	0.62	0.00
A_51_P505868	NM_175386	Lhfp	108927	lipoma HMGIC fusion partner	-2.64	0.62	0.07
A_51_P368903	NM_181394	Anapc13	69010	anaphase promoting complex subunit 13	-3.46	0.62	0.01
A_51_P417279	AK002600	0610012G03	106264	RIKEN cDNA 0610012G03 gene	-3.91	0.62	0.00
A_52_P644479	NM_001024	NA	NA	NA	-2.61	0.62	0.07
A_51_P423509	NM_027980	2310003H01	71885	RIKEN cDNA 2310003H01 gene	-3.02	0.62	0.02
A_51_P107321	NM_024188	Oxct1	67041	3-oxoacid CoA transferase 1	-3.43	0.62	0.01
A_51_P393934	NM_007656	Cd82	12521	CD82 antigen	-3.50	0.62	0.01
A_51_P110689	NM_009104	Rrm2	20135	ribonucleotide reductase M2	-2.72	0.62	0.05
A_52_P234695	XM_896388	NA	NA	NA	-3.01	0.62	0.02
A_52_P876207	AK085773	Arhgef15	442801	Rho guanine nucleotide exchange factor (GEF) 15	-3.87	0.62	0.00
A_52_P467861	NM_001039	Prhoxnb	231903	parahox cluster neighbor	-3.31	0.62	0.01
A_52_P396774	NM_001037	2700094K13	72657	RIKEN cDNA 2700094K13 gene	-2.73	0.62	0.05
A_51_P182174	NM_019831	Zmym3	56364	zinc finger, MYM-type 3	-3.01	0.62	0.02
A_51_P342387	NM_013475	Apoh	11818	apolipoprotein H	-4.63	0.62	0.00
A_51_P507471	AK010990	2510022D24	66567	RIKEN cDNA 2510022D24 gene	-2.67	0.62	0.05

A_51_P477414	NM_026728	Echdc2	52430	enoyl Coenzyme A hydratase domain containing 2	-3.83	0.62	0.00
A_52_P33453	NA	NA	NA	NA	-2.79	0.62	0.04
A_51_P151214	NM_133882	C8b	110382	complement component 8, beta polypeptide	-2.80	0.62	0.04
A_51_P508341	NM_178608	Reep1	52250	receptor accessory protein 1	-4.05	0.62	0.00
A_51_P259064	AK020443	Ube2d3	66105	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	-3.41	0.62	0.01
A_51_P452280	NM_010839	Mtcp1	17763	mature T-cell proliferation 1	-3.14	0.62	0.01
A_52_P674568	BC066054	BC024659	108934	cDNA sequence BC024659	-3.57	0.62	0.01
A_51_P319141	NM_023377	Stard5	170460	StAR-related lipid transfer (START) domain containing 5	-4.10	0.62	0.00
A_51_P480013	NM_009800	Car11	12348	carbonic anhydrase 11	-3.60	0.62	0.01
A_52_P558368	NM_175160	Zdhhc1	70796	zinc finger, DHHC domain containing 1	-2.92	0.62	0.03
A_52_P314421	AK047174	Fbxo30	71865	F-box protein 30	-3.17	0.62	0.01
A_52_P153291	NM_145700	Ccr1	252837	chemokine (C-C motif) receptor-like 1	-2.70	0.61	0.05
A_51_P361678	NM_026599	Cgnl1	68178	cingulin-like 1	-2.75	0.61	0.05
A_52_P656418	AK145182	Met	17295	met proto-oncogene	-2.87	0.61	0.03
A_52_P1055590	NM_172149	Bnip1	224630	BCL2/adenovirus E1B interacting protein 1	-3.42	0.61	0.01
A_51_P152612	NM_023554	Nol7	70078	nucleolar protein 7	-3.25	0.61	0.01
A_51_P342082	NM_019953	Cnpy2	56530	canopy 2 homolog (zebrafish)	-2.62	0.61	0.07
A_52_P142154	NM_024229	Pcyt2	68671	phosphate cytidylyltransferase 2, ethanolamine	-3.59	0.61	0.01
A_51_P224164	NM_011867	Slc26a4	23985	solute carrier family 26, member 4	-2.67	0.61	0.05
A_51_P498267	NA	NA	NA	NA	-3.62	0.61	0.00
A_51_P442091	AK122352	Snx13	217463	sorting nexin 13	-2.74	0.61	0.05
A_51_P504538	NM_007919	Cela2a	13706	chymotrypsin-like elastase family, member 2A	-3.08	0.61	0.02
A_52_P471947	NA	NA	NA	NA	-2.65	0.61	0.06
A_51_P256759	NM_027855	0610007C2	381629	RIKEN cDNA 0610007C21 gene	-3.51	0.61	0.01
A_51_P178938	NM_134221	V1ri4	171255	vomer nasal 1 receptor, I4	-2.67	0.61	0.05
A_51_P279552	NM_016900	Cav2	12390	caveolin 2	-3.19	0.61	0.01
A_51_P313035	AK052458	Depdc5	277854	DEP domain containing 5	-2.99	0.61	0.02
A_52_P541939	NM_021527	Mkks	59030	McKusick-Kaufman syndrome protein	-3.10	0.61	0.02
A_52_P128306	NM_178723	Zfp385b	241494	zinc finger protein 385B	-4.19	0.61	0.00
A_52_P240152	AK147452	Snx27	76742	sorting nexin family member 27	-2.75	0.61	0.05
A_52_P323525	NM_001003	Arhgef11	213498	Rho guanine nucleotide exchange factor (GEF) 11	-3.15	0.61	0.01

A_51_P138651	NM_010562	Ilk	16202	integrin linked kinase	-2.73	0.61	0.05
				phosphatidylinositol-4-phosphate 5-kinase, type 1			
A_52_P271910	AK122319	Pip5k1c	18717	gamma	-2.79	0.61	0.04
A_51_P449911	BC037217	Cnot6	104625	CCR4-NOT transcription complex, subunit 6	-3.07	0.61	0.02
A_52_P474249	NM_011591	Timm17b	21855	translocase of inner mitochondrial membrane 17b	-3.54	0.61	0.01
A_52_P84275	NM_033562	Der12	116891	Der1-like domain family, member 2	-2.79	0.61	0.04
A_51_P251821	NM_008507	Sh2b3	16923	SH2B adaptor protein 3	-3.87	0.61	0.00
A_52_P174771	NM_174874	Atg4b	66615	autophagy-related 4B (yeast)	-3.82	0.61	0.00
A_51_P295797	AK005616	Ccdc30	73332	coiled-coil domain containing 30	-2.91	0.61	0.03
A_52_P327927	NA	NA	NA	NA	-3.61	0.61	0.00
A_51_P116479	NM_172582	Coq6	217707	coenzyme Q6 homolog (yeast)	-3.45	0.61	0.01
				tyrosine kinase with immunoglobulin-like and EGF-like			
A_51_P177171	NM_011587	Tie1	21846	domains 1	-2.71	0.61	0.05
A_52_P148428	AK080940	Nfix	18032	nuclear factor I/X	-2.88	0.61	0.03
A_52_P1157176	BB160563	NA	NA	NA	-3.03	0.61	0.02
A_52_P860515	AK140295	Dirc2	224132	disrupted in renal carcinoma 2 (human)	-4.67	0.61	0.00
A_52_P357133	NM_053267	Selm	114679	selenoprotein M	-2.86	0.61	0.03
A_52_P137371	NM_008255	Hmgcr	15357	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-3.17	0.61	0.01
A_52_P1036404	AK045702	1810013D1	166278	RIKEN cDNA 1810013D10 gene	-4.10	0.61	0.00
A_51_P113003	NM_031863	Cenpq	83815	centromere protein Q	-3.91	0.61	0.00
A_51_P372702	NM_010551	Il16	16170	interleukin 16	-4.86	0.61	0.00
A_52_P332666	NM_025770	Atg10	66795	autophagy-related 10 (yeast)	-4.14	0.61	0.00
A_51_P137111	NM_016681	Chek2	50883	CHK2 checkpoint homolog (S. pombe)	-3.80	0.61	0.00
A_52_P659925	NM_009752	Glb1	12091	galactosidase, beta 1	-3.60	0.61	0.01
A_52_P182450	NM_021485	Rps6kb2	58988	ribosomal protein S6 kinase, polypeptide 2	-2.81	0.61	0.04
A_51_P433172	AF116911	Tmem59	56374	transmembrane protein 59	-2.77	0.61	0.04
A_51_P358152	NM_029100	Sepn1	74777	selenoprotein N, 1	-2.88	0.61	0.03
A_52_P256757	NM_144816	Rhbdl1	214951	rhomboid, veinlet-like 1 (Drosophila)	-4.12	0.61	0.00
A_51_P103780	NM_145512	Sft2d2	108735	SFT2 domain containing 2	-3.07	0.61	0.02
A_51_P322531	AK078234	NA	NA	NA	-2.68	0.61	0.05
				solute carrier family 16 (monocarboxylic acid			
A_51_P493117	NM_025807	Slc16a9	66859	transporters), member 9	-2.65	0.61	0.06

A_52_P812648	NA	NA	NA	NA	-3.35	0.61	0.01
A_52_P494207	AK046210	Itpr2	16439	inositol 1,4,5-triphosphate receptor 2	-2.83	0.61	0.03
A_51_P500713	NM_007832	Dck	13178	deoxycytidine kinase	-3.23	0.61	0.01
A_51_P285413	NM_175023	Rbbp6	19647	retinoblastoma binding protein 6	-3.01	0.61	0.02
A_52_P576778	NM_133718	Tmem30a	69981	transmembrane protein 30A	-2.68	0.61	0.05
A_52_P245059	NM_197943	Sgsm2	97761	small G protein signaling modulator 2	-3.64	0.61	0.00
A_52_P586062	NA	NA	NA	NA	-2.96	0.61	0.02
A_51_P311785	NM_008550	Man2b2	17160	mannosidase 2, alpha B2	-3.70	0.61	0.00
A_51_P232371	NM_138672	Stab1	192187	stabilin 1	-2.82	0.61	0.04
A_51_P104012	NM_001002	Tmem158	72309	transmembrane protein 158	-2.60	0.61	0.07
A_51_P519108	AK078087	6330439K1	241688	RIKEN cDNA 6330439K17 gene	-2.75	0.61	0.05
A_51_P289414	BC019404	Spg11	214585	spastic paraplegia 11	-3.55	0.61	0.01
A_52_P448749	AK053942	Tc2n	74413	tandem C2 domains, nuclear	-3.61	0.61	0.01
A_52_P551594	NM_172952	Gphn	268566	gephyrin	-3.51	0.61	0.01
A_51_P361286	NM_026792	Agpat5	52123	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	-2.69	0.61	0.05
A_52_P446120	NM_001033	Commd6	66200	COMM domain containing 6	-3.32	0.61	0.01
A_52_P519317	NA	NA	NA	NA	-4.13	0.61	0.00
A_51_P290819	NM_025798	Hint3	66847	histidine triad nucleotide binding protein 3	-3.29	0.61	0.01
A_51_P112932	NM_009849	Entpd2	12496	ectonucleoside triphosphate diphosphohydrolase 2	-2.64	0.61	0.07
A_52_P3214	BC053524	Ipo7	233726	importin 7	-3.14	0.61	0.01
A_51_P113403	NM_178743	Slc26a11	268512	solute carrier family 26, member 11	-2.81	0.61	0.04
A_51_P100866	NM_016755	Atp5j	11957	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F	-3.82	0.61	0.00
A_52_P352277	NM_016769	Smad3	17127	MAD homolog 3 (Drosophila)	-2.61	0.61	0.07
A_52_P397204	NM_007783	Csk	12988	c-src tyrosine kinase	-2.99	0.61	0.02
A_51_P297470	NM_025511	Fam36a	66359	family with sequence similarity 36, member A	-3.28	0.61	0.01
A_52_P18229	NM_146156	Pdik1l	230809	PDLIM1 interacting kinase 1 like	-3.24	0.61	0.01
A_52_P578732	NM_009917	Ccr5	12774	chemokine (C-C motif) receptor 5	-2.74	0.61	0.05
A_52_P366980	NM_028841	Tspan17	74257	tetraspanin 17	-3.05	0.61	0.02
A_52_P225584	NM_026185	Abhd15	67477	abhydrolase domain containing 15	-2.97	0.61	0.02
A_51_P332264	NM_026314	Dyx1c1	67685	dyslexia susceptibility 1 candidate 1 homolog (human)	-3.12	0.61	0.01

A_51_P330044	NM_028979	Cyp2j9	74519	cytochrome P450, family 2, subfamily j, polypeptide 9	-2.75	0.61	0.05
A_52_P571371	NM_027495	Tmem144	70652	transmembrane protein 144	-2.92	0.61	0.03
A_52_P408657	NM_019660	Mycbp	56309	c-myc binding protein	-3.25	0.61	0.01
A_51_P348617	AK009829	2310045N01	72368	RIKEN cDNA 2310045N01 gene	-2.78	0.61	0.04
A_52_P322535	NM_025479	2810021B07	66308	RIKEN cDNA 2810021B07 gene	-2.70	0.61	0.05
A_52_P128964	NM_029342	Nhej1	75570	nonhomologous end-joining factor 1	-2.92	0.61	0.03
A_51_P491227	NM_019879	Suclg1	56451	succinate-CoA ligase, GDP-forming, alpha subunit transient receptor potential cation channel, subfamily C,	-3.69	0.61	0.00
A_51_P317695	NM_019510	Trpc3	22065	member 3	-3.67	0.61	0.00
A_51_P443569	NM_023431	Mum1	68114	melanoma associated antigen (mutated) 1	-3.37	0.61	0.01
A_52_P475423	NM_177678	Ablim2	231148	actin-binding LIM protein 2	-4.28	0.61	0.00
A_51_P428754	NM_008168	Grik5	14809	glutamate receptor, ionotropic, kainate 5 (gamma 2) NADH dehydrogenase (ubiquinone) 1 beta subcomplex	-4.31	0.61	0.00
A_51_P434269	NM_026610	Ndufb4	68194	4	-3.33	0.61	0.01
A_51_P195215	NM_153535	Fam149a	212326	family with sequence similarity 149, member A	-3.35	0.61	0.01
A_51_P257156	NM_029832	Ddrk1	77006	DDRGK domain containing 1	-4.70	0.60	0.00
A_52_P324042	BC037008	Serpina1b	20701	serine (or cysteine) preptidase inhibitor, clade A, member 1B	-5.12	0.60	0.00
A_51_P383841	NM_029406	Pih1d1	68845	PIH1 domain containing 1	-4.44	0.60	0.00
A_51_P184910	NM_029293	Phpt1	75454	phosphohistidine phosphatase 1	-3.34	0.60	0.01
A_51_P230552	NM_009053	Rfng	19719	RFNG O-fucosylpeptide 3-beta-N- acetylglucosaminyltransferase	-3.82	0.60	0.00
A_51_P194999	NM_027931	Tars2	71807	threonyl-tRNA synthetase 2, mitochondrial (putative)	-2.60	0.60	0.07
A_52_P199928	NA	NA	NA	NA	-3.01	0.60	0.02
A_51_P419300	NM_026549	Pdcd2l	68079	programmed cell death 2-like	-4.46	0.60	0.00
A_52_P173526	XM_287555	Thsd7a	330267	thrombospondin, type I, domain containing 7A	-3.71	0.60	0.00
A_51_P381784	BC094932	Exosc7	66446	exosome component 7	-3.18	0.60	0.01
A_52_P494686	NM_177645	1110028C15	68691	RIKEN cDNA 1110028C15 gene	-4.03	0.60	0.00
A_51_P460143	NM_015750	Neu2	23956	neuraminidase 2	-2.61	0.60	0.07
A_51_P317505	NM_008673	Nat1	17960	N-acetyl transferase 1	-3.27	0.60	0.01

A_51_P345593	NM_009269	Sptlc1	268656	serine palmitoyltransferase, long chain base subunit 1	-3.95	0.60	0.00
A_52_P565427	NM_001039	Myo6	17920	myosin VI	-3.97	0.60	0.00
A_51_P402435	NM_026508	Trap1	68015	TNF receptor-associated protein 1	-3.35	0.60	0.01
A_51_P105445	NM_133774	Stard4	170459	StAR-related lipid transfer (START) domain containing 4	-2.79	0.60	0.04
A_51_P268754	NM_178666	Themis	210757	thymocyte selection associated	-3.57	0.60	0.01
A_51_P345159	NM_026024	Ube2t	67196	ubiquitin-conjugating enzyme E2T (putative)	-3.48	0.60	0.01
A_51_P401958	NM_011528	Taldo1	21351	transaldolase 1	-4.74	0.60	0.00
A_52_P683225	AK039665	Taok3	330177	TAO kinase 3	-3.25	0.60	0.01
A_51_P462516	NM_001003	Senp7	66315	SUMO1/sentrin specific peptidase 7	-3.42	0.60	0.01
A_51_P109888	NM_011778	Coro1b	23789	coronin, actin binding protein 1B	-3.59	0.60	0.01
A_52_P75985	NM_025808	Lztr1	66863	leucine-zipper-like transcriptional regulator, 1	-2.84	0.60	0.03
A_51_P406334	NM_026828	Dnlz	52838	DNL-type zinc finger	-2.96	0.60	0.02
A_51_P237613	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-4.18	0.60	0.00
A_51_P460844	NM_144923	Blvrb	233016	biliverdin reductase B (flavin reductase (NADPH))	-2.99	0.60	0.02
A_51_P169047	NM_019551	Ttrap	56196	TRAF and TNF receptor associated protein	-5.15	0.60	0.00
A_51_P481293	NM_026949	Cnot8	69125	CCR4-NOT transcription complex, subunit 8	-2.65	0.60	0.06
A_52_P724940	NM_025551	Ndufa12	66414	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	-4.65	0.60	0.00
A_52_P177341	NM_197980	Cox19	68033	COX19 cytochrome c oxidase assembly homolog (S. cerevisiae)	-2.84	0.60	0.03
A_52_P422222	NM_024274	Fars2	69955	phenylalanine-tRNA synthetase 2 (mitochondrial)	-3.82	0.60	0.00
A_52_P601996	AK018254	Fbxl17	50758	F-box and leucine-rich repeat protein 17	-3.72	0.60	0.00
A_51_P502132	NM_011985	Mmp23	26561	matrix metalloproteinase 23	-5.54	0.60	0.00
A_52_P623058	NM_177994	C030046I0:109284		RIKEN cDNA C030046I01 gene	-2.84	0.60	0.03
A_52_P69702	NM_025348	Ndufa3	66091	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3	-4.41	0.60	0.00
A_52_P655221	AK042768	NA	NA	NA	-3.47	0.60	0.01
A_52_P290434	AK051849	Fbxl7	448987	F-box and leucine-rich repeat protein 7	-4.31	0.60	0.00
A_52_P447985	NM_023217	Pgpep1	66522	pyroglutamyl-peptidase I	-3.70	0.60	0.00
A_51_P312528	NM_020004	Kat2a	14534	K(lysine) acetyltransferase 2A	-2.93	0.60	0.02

A_52_P678895	NM_025975	Dynlt3	67117	dynein light chain Tctex-type 3	-3.24	0.60	0.01
A_51_P396818	NM_025577	2810428I1	66462	RIKEN cDNA 2810428I15 gene	-3.94	0.60	0.00
A_52_P153925	NM_013862	Rabgap1l	29809	RAB GTPase activating protein 1-like	-3.37	0.60	0.01
A_51_P462311	NM_023422	Hist1h2bc	68024	histone cluster 1, H2bc	-2.63	0.60	0.07
A_52_P496596	NM_007597	Canx	12330	calnexin	-3.41	0.60	0.01
A_52_P292651	NM_021288	Tyms	22171	thymidylate synthase	-2.99	0.60	0.02
A_51_P144134	NM_027572	Slc22a16	70840	solute carrier family 22 (organic cation transporter), member 16	-2.62	0.60	0.07
A_52_P91823	AK045070	B130024G1	434198	RIKEN cDNA B130024G19 gene	-4.63	0.60	0.00
A_51_P182131	NM_001033	5330417C2	229722	RIKEN cDNA 5330417C22 gene	-2.68	0.60	0.05
A_52_P542970	XR_002670	NA	NA	NA	-4.42	0.60	0.00
A_52_P377532	NM_178035	Fads6	328035	fatty acid desaturase domain family, member 6	-4.70	0.60	0.00
A_52_P248250	NM_028844	Aven	74268	apoptosis, caspase activation inhibitor	-4.31	0.60	0.00
A_52_P504787	NM_010141	Epha7	13841	Eph receptor A7	-3.67	0.60	0.00
A_52_P60105	NM_018822	Sgsh	27029	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-3.03	0.60	0.02
A_51_P380685	NM_023231	Stoml2	66592	stomatin (Epb7.2)-like 2	-3.72	0.60	0.00
A_51_P156902	NM_025336	Chchd3	66075	coiled-coil-helix-coiled-coil-helix domain containing 3	-3.24	0.60	0.01
A_51_P250445	NM_020497	Zfp276	57247	zinc finger protein (C2H2 type) 276	-4.35	0.60	0.00
A_52_P299535	NM_134117	Pkdcc	106522	protein kinase domain containing, cytoplasmic	-2.64	0.60	0.06
A_52_P253230	NM_175134	Ankrd46	68839	ankyrin repeat domain 46	-2.74	0.60	0.05
A_52_P438508	NA	NA	NA	NA	-2.95	0.60	0.02
A_51_P387248	NM_134135	Slc39a3	106947	solute carrier family 39 (zinc transporter), member 3	-4.08	0.60	0.00
A_51_P370252	NM_011796	Capn10	23830	calpain 10	-4.61	0.60	0.00
A_51_P256246	NM_025359	Tspan13	66109	tetraspanin 13	-2.90	0.60	0.03
A_51_P381360	NM_023312	Ndufa13	67184	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	-5.84	0.60	0.00
A_52_P263658	NM_008236	Hes2	15206	hairly and enhancer of split 2 (Drosophila)	-2.71	0.60	0.05
A_51_P352076	NM_008399	Itgae	16407	integrin alpha E, epithelial-associated	-4.52	0.60	0.00
A_52_P100242	NM_026510	Ftsj2	68017	FtsJ homolog 2 (E. coli)	-3.49	0.60	0.01
A_52_P210338	NM_001033	Ndufb6	230075	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6	-3.60	0.60	0.01

A_52_P328304	NM_153804	Plekhg3	263406	pleckstrin homology domain containing, family G (with RhoGef domain) member 3	-2.80	0.60	0.04
A_52_P267717	NM_001037	Cd209b	69165	CD209b antigen	-4.69	0.60	0.00
A_52_P215701	AK133756	Acp2	11432	acid phosphatase 2, lysosomal	-2.87	0.60	0.03
A_51_P330226	NM_025901	Polr3k	67005	polymerase (RNA) III (DNA directed) polypeptide K	-2.70	0.60	0.05
A_51_P399062	NM_027777	Pex1	71382	peroxisomal biogenesis factor 1	-2.70	0.60	0.05
A_51_P298052	NM_153571	Hscb	100900	HscB iron-sulfur cluster co-chaperone homolog (E. coli)	-2.78	0.60	0.04
A_51_P155303	NM_199197	1110032A1	168731	RIKEN cDNA 1110032A13 gene	-3.08	0.60	0.02
A_51_P296100	NM_145999	Rhot2	214952	ras homolog gene family, member T2	-3.32	0.60	0.01
A_52_P596086	NM_028014	2310067B1	171947	RIKEN cDNA 2310067B10 gene	-3.22	0.60	0.01
A_52_P295012	NM_199313	Rdh18	380674	retinol dehydrogenase 18	-2.77	0.60	0.04
A_51_P220407	NM_181405	Rnpepl1	108657	arginyl aminopeptidase (aminopeptidase B)-like 1	-3.94	0.59	0.00
A_52_P298053	AK038653	NA	NA	NA	-3.05	0.59	0.02
A_52_P194289	AK166886	lqsec1	232227	IQ motif and Sec7 domain 1	-3.16	0.59	0.01
A_52_P595140	NM_198030	Hsd17b13	243168	hydroxysteroid (17-beta) dehydrogenase 13	-2.67	0.59	0.05
A_51_P249313	NM_028705	Herc3	73998	hect domain and RLD 3	-2.70	0.59	0.05
A_52_P347500	BC035276	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-4.52	0.59	0.00
A_52_P569276	NM_001003	Masp2	17175	mannan-binding lectin serine peptidase 2	-3.37	0.59	0.01
A_52_P183138	NM_008668	Nab2	17937	Ngfi-A binding protein 2	-2.67	0.59	0.05
A_52_P232470	NM_001009	Smcr7	237781	Smith-Magenis syndrome chromosome region, candidate 7 homolog (human)	-4.44	0.59	0.00
A_51_P117236	NM_009329	Zfp354a	21408	zinc finger protein 354A	-3.07	0.59	0.02
A_51_P456721	NM_013478	Azgp1	12007	alpha-2-glycoprotein 1, zinc	-4.00	0.59	0.00
A_51_P155747	NM_028776	Scyl3	240880	SCY1-like 3 (S. cerevisiae)	-4.06	0.59	0.00
A_52_P218379	XM_138275	NA	NA	NA	-4.69	0.59	0.00
A_51_P506761	NM_009351	Tep1	21745	telomerase associated protein 1	-2.80	0.59	0.04
A_51_P308961	NM_008254	Hmgcl	15356	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	-3.07	0.59	0.02
A_52_P595561	NM_133924	Snx21	101113	sorting nexin family member 21	-4.44	0.59	0.00
A_51_P183912	NM_016671	Il27ra	50931	interleukin 27 receptor, alpha	-4.09	0.59	0.00
A_52_P651942	NM_026982	1810027O1	169186	RIKEN cDNA 1810027O10 gene	-3.83	0.59	0.00
A_51_P188373	NM_009287	Stim1	20866	stromal interaction molecule 1	-2.74	0.59	0.05

A_51_P399477	AK143126	Dennd5b	320560	DENN/MADD domain containing 5B	-4.38	0.59	0.00
A_52_P296810	NM_009030	Rbbp4	19646	retinoblastoma binding protein 4	-2.95	0.59	0.02
A_51_P260178	NM_058214	Recql4	79456	RecQ protein-like 4	-5.50	0.59	0.00
A_51_P440399	NM_012060	Bcap31	27061	B-cell receptor-associated protein 31	-3.55	0.59	0.01
A_51_P430202	NM_175380	Gpd1l	333433	glycerol-3-phosphate dehydrogenase 1-like	-3.95	0.59	0.00
A_51_P384402	NM_019454	Dll4	54485	delta-like 4 (Drosophila)	-4.70	0.59	0.00
A_51_P111285	V00830	Krt10	16661	keratin 10	-3.55	0.59	0.01
A_51_P501815	NM_026914	1500032L2	69029	RIKEN cDNA 1500032L24 gene	-3.61	0.59	0.00
A_52_P400613	NM_176842	Tprkb	69786	Tp53rk binding protein	-3.40	0.59	0.01
A_51_P191865	U12147	Lama2	16773	laminin, alpha 2	-4.18	0.59	0.00
A_52_P335259	NM_144536	Cdkal1	68916	CDK5 regulatory subunit associated protein 1-like 1	-3.31	0.59	0.01
A_51_P258894	NM_018763	Chst2	54371	carbohydrate sulfotransferase 2	-4.15	0.59	0.00
A_52_P276727	AK033699	Lgr4	107515	leucine-rich repeat-containing G protein-coupled receptor 4	-3.66	0.59	0.00
A_51_P117432	AK172893	Ube4a	140630	ubiquitination factor E4A, UFD2 homolog (<i>S. cerevisiae</i>)	-2.96	0.59	0.02
A_52_P652704	NM_011020	Hspa4l	18415	heat shock protein 4 like	-3.49	0.59	0.01
A_51_P284898	NM_011418	Smarcb1	20587	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	-2.61	0.59	0.07
A_51_P261131	AK084367	NA	NA	NA	-3.14	0.59	0.01
A_51_P437737	NM_020046	Dhodh	56749	dihydroorotate dehydrogenase	-2.64	0.59	0.06
A_51_P118650	NM_031392	Wdr6	83669	WD repeat domain 6	-3.67	0.59	0.00
A_52_P229316	NM_015737	Galnt4	14426	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4	-2.66	0.59	0.06
A_51_P156547	NM_001079	Tcf7l1	21415	transcription factor 7-like 1 (T-cell specific, HMG box)	-2.90	0.59	0.03
A_51_P491916	NM_028478	Rassf6	73246	Ras association (RalGDS/AF-6) domain family member 6	-3.90	0.59	0.00
A_52_P534844	NM_001038	Atp8a1	11980	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	-3.62	0.59	0.00
A_52_P568792	NM_024221	Pdhb	68263	pyruvate dehydrogenase (lipoamide) beta	-3.96	0.59	0.00

A_51_P106259	NM_133926	Camk1	52163	calcium/calmodulin-dependent protein kinase I	-2.98	0.59	0.02
A_52_P656024	NM_022432	Sirt2	64383	sirtuin 2 (silent mating type information regulation 2, homolog) 2 (<i>S. cerevisiae</i>)	-4.70	0.59	0.00
A_51_P333923	NM_133681	Tspan1	66805	tetraspanin 1	-2.84	0.59	0.03
A_51_P454234	AK154409	130001811	72325	RIKEN cDNA 1300018117 gene	-3.50	0.59	0.01
A_51_P131175	NM_013569	Kcnh2	16511	potassium voltage-gated channel, subfamily H (eag-related), member 2	-2.79	0.59	0.04
A_52_P34043	NM_011151	Ppm1b	19043	protein phosphatase 1B, magnesium dependent, beta isoform	-5.19	0.59	0.00
A_51_P298997	NM_177266	Gfm2	320806	G elongation factor, mitochondrial 2	-3.30	0.59	0.01
A_51_P187665	NM_028904	Rmi1	74386	RMI1, RecQ mediated genome instability 1, homolog (<i>S. cerevisiae</i>)	-3.84	0.59	0.00
A_52_P274810	XM_130232	Neb	17996	nebulin	-3.40	0.59	0.01
A_52_P324986	NM_009275	Srprb	20818	signal recognition particle receptor, B subunit	-3.96	0.59	0.00
A_51_P160913	NM_008209	Mr1	15064	major histocompatibility complex, class I-related	-4.42	0.59	0.00
A_52_P112139	NM_199302	Lrsam1	227738	leucine rich repeat and sterile alpha motif containing 1	-3.33	0.59	0.01
A_52_P556082	AK046928	Trmt2b	215201	TRM2 tRNA methyltransferase 2 homolog B (<i>S. cerevisiae</i>)	-2.71	0.59	0.05
A_52_P205797	NM_177683	Vgll4	232334	vestigial like 4 (<i>Drosophila</i>)	-3.40	0.59	0.01
A_51_P236267	NM_009183	St8sia4	20452	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4	-3.15	0.59	0.01
A_51_P379399	NM_172117	Entpd6	12497	ectonucleoside triphosphate diphosphohydrolase 6	-2.63	0.59	0.07
A_51_P520802	NM_145536	BC020535	228788	cDNA sequence BC020535	-2.82	0.59	0.04
A_52_P542496	NM_130861	Slco1a5	108096	solute carrier organic anion transporter family, member 1a5	-2.94	0.59	0.02
A_51_P283083	NM_028840	Armc1	74252	armadillo repeat containing 1	-2.92	0.59	0.03
A_51_P251433	NM_023831	1500035HC	76568	RIKEN cDNA 1500035H01 gene	-2.91	0.59	0.03
A_51_P331431	NM_177756	Glt25d2	269132	glycosyltransferase 25 domain containing 2	-2.89	0.59	0.03
A_52_P196105	NM_175274	Ttyh3	78339	tweety homolog 3 (<i>Drosophila</i>)	-3.18	0.59	0.01
A_51_P336391	NM_172049	Tmem18	211986	transmembrane protein 18	-2.72	0.59	0.05
A_51_P308017	NM_172149	Bnip1	224630	BCL2/adenovirus E1B interacting protein 1	-4.19	0.59	0.00
A_52_P234039	XM_893176	NA	NA	NA	-3.41	0.59	0.01

A_52_P97192	NM_026170	Ergic1	67458	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	-3.39	0.59	0.01
A_51_P483081	AK165218	Lpin2	64898	lipin 2	-2.63	0.59	0.07
A_52_P507310	NM_026080	Mrps24	64660	mitochondrial ribosomal protein S24	-3.79	0.59	0.00
A_51_P483488	NM_029020	Abcb8	74610	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-3.23	0.59	0.01
A_52_P414645	NM_001002	Gpr126	215798	G protein-coupled receptor 126	-4.43	0.59	0.00
A_51_P477285	AK090016	1810014B0	66263	RIKEN cDNA 1810014B01 gene	-2.96	0.59	0.02
A_52_P48670	NM_025366	Chchd1	66121	coiled-coil-helix-coiled-coil-helix domain containing 1	-3.71	0.59	0.00
A_51_P289506	AK151780	Dis3l	213550	DIS3 mitotic control homolog (<i>S. cerevisiae</i>)-like	-2.87	0.59	0.03
A_52_P189132	DV054273	Thap1	73754	THAP domain containing, apoptosis associated protein 1	-3.39	0.59	0.01
A_52_P542612	NM_010144	Ephb4	13846	Eph receptor B4	-3.87	0.58	0.00
A_52_P459929	NM_001033	Itga1	109700	integrin alpha 1	-2.83	0.58	0.04
A_51_P339344	NM_029025	Tmem81	74626	transmembrane protein 81	-3.35	0.58	0.01
A_51_P468037	NM_026698	Tmem129	68366	transmembrane protein 129	-3.40	0.58	0.01
A_51_P216313	NM_153794	4933403F0	108654	RIKEN cDNA 4933403F05 gene	-2.62	0.58	0.07
A_51_P495700	NM_025455	Ccdc28b	66264	coiled coil domain containing 28B	-3.89	0.58	0.00
A_51_P285844	NM_011680	Usf2	22282	upstream transcription factor 2	-4.10	0.58	0.00
A_51_P322994	NM_175001	Mrpl22	216767	mitochondrial ribosomal protein L22	-3.99	0.58	0.00
A_51_P393671	BC024498	Tm6sf2	107770	transmembrane 6 superfamily member 2	-3.51	0.58	0.01
A_51_P102782	NM_199195	Bckdhb	12040	branched chain ketoacid dehydrogenase E1, beta polypeptide	-2.64	0.58	0.07
A_51_P214916	NM_001030	Ndufs5	595136	NADH dehydrogenase (ubiquinone) Fe-S protein 5	-4.47	0.58	0.00
A_51_P226429	NM_153514	Rhobtb2	246710	Rho-related BTB domain containing 2	-4.29	0.58	0.00
A_51_P383857	NM_031499	Prp2	83380	proline rich protein 2	-3.73	0.58	0.00
A_51_P489108	NM_153391	Wdr19	213081	WD repeat domain 19	-3.66	0.58	0.00
A_52_P354390	NM_013670	Snrpn	20646	small nuclear ribonucleoprotein N	-2.67	0.58	0.05
A_52_P597464	NA	NA	NA	NA	-2.63	0.58	0.07
A_51_P293087	NM_008606	Mmp11	17385	matrix metalloproteinase 11	-3.50	0.58	0.01
A_52_P398334	NM_177616	Ccdc157	216516	coiled-coil domain containing 157	-5.43	0.58	0.00

A_51_P168171	NM_024168	Tsen34	66078	tRNA splicing endonuclease 34 homolog (<i>S. cerevisiae</i>)	-3.29	0.58	0.01
A_51_P207751	NM_008189	Guca1a	14913	guanylate cyclase activator 1a (retina)	-2.60	0.58	0.07
A_51_P448671	NM_011539	Tbxas1	21391	thromboxane A synthase 1, platelet	-3.13	0.58	0.01
A_51_P362054	NM_025983	Atp5e	67126	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, epsilon subunit	-4.24	0.58	0.00
A_52_P635984	NM_001038	Anapc11	66156	anaphase promoting complex subunit 11	-4.69	0.58	0.00
A_52_P51355	NM_008855	Prkcb	18751	protein kinase C, beta	-5.16	0.58	0.00
A_51_P233396	NM_009358	Ppp2r5d	21770	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-3.88	0.58	0.00
A_51_P494342	NM_212457	Bex4	406217	brain expressed gene 4	-3.03	0.58	0.02
A_51_P296905	XM_896000	Ppat	231327	phosphoribosyl pyrophosphate amidotransferase	-3.20	0.58	0.01
A_51_P474431	NM_023117	Cdc25b	12531	cell division cycle 25 homolog B (<i>S. pombe</i>)	-4.11	0.58	0.00
A_51_P124934	AK031219	NA	NA	NA	-4.62	0.58	0.00
A_52_P8685	NM_020588	Tmem183a	57439	transmembrane protein 183A	-3.28	0.58	0.01
A_51_P376321	NM_145828	Xylt2	217119	xylosyltransferase II	-3.23	0.58	0.01
A_52_P346706	NM_009658	Akr1b3	11677	aldo-keto reductase family 1, member B3 (aldose reductase)	-3.44	0.58	0.01
A_52_P78373	NM_011366	Sorbs3	20410	sorbin and SH3 domain containing 3	-5.41	0.58	0.00
A_52_P657844	AK038731	Zbtb20	56490	zinc finger and BTB domain containing 20	-4.65	0.58	0.00
A_51_P305547	NM_011415	Snai2	20583	snail homolog 2 (<i>Drosophila</i>)	-2.95	0.58	0.02
A_51_P316103	NM_023063	Lima1	65970	LIM domain and actin binding 1	-2.97	0.58	0.02
A_52_P305748	NM_025439	Tmem9	66241	transmembrane protein 9	-3.70	0.58	0.00
A_51_P202596	NM_172628	Sh3tc2	225608	SH3 domain and tetratricopeptide repeats 2	-3.55	0.58	0.01
A_52_P294253	NM_011759	Zfp41	22701	zinc finger protein 41	-4.07	0.58	0.00
A_52_P545010	NM_027216	Slc39a11	69806	solute carrier family 39 (metal ion transporter), member 11	-2.73	0.58	0.05
A_51_P320190	XM_128010	NA	NA	NA	-2.65	0.58	0.06
A_52_P350664	NM_153781	Pygb	110078	brain glycogen phosphorylase	-3.53	0.58	0.01
A_52_P400637	BB661265	NA	NA	NA	-2.67	0.58	0.05
A_52_P346256	NM_027275	Ptcd3	69956	pentatricopeptide repeat domain 3	-2.66	0.58	0.06
A_51_P267671	NM_030251	Abtb1	80283	ankyrin repeat and BTB (POZ) domain containing 1	-3.53	0.58	0.01

A_52_P319123	XM_986525	Vps13b	666173	vacuolar protein sorting 13B (yeast)	-3.52	0.58	0.01
A_51_P483301	NM_177256	Prdx6-rs1	320769	peroxiredoxin 6, related sequence 1	-4.59	0.58	0.00
A_52_P459732	NM_020002	Rec8	56739	REC8 homolog (yeast)	-3.64	0.58	0.00
A_52_P314181	AK040606	NA	NA	NA	-3.04	0.58	0.02
A_51_P303180	NM_026667	Fam114a1	68303	family with sequence similarity 114, member A1	-3.11	0.58	0.01
A_52_P332898	BB554159	NA	NA	NA	-3.22	0.58	0.01
A_51_P290526	NM_011994	Abcd2	26874	ATP-binding cassette, sub-family D (ALD), member 2	-2.82	0.58	0.04
A_52_P500856	NM_146197	Acsm2	233799	acyl-CoA synthetase medium-chain family member 2	-3.45	0.58	0.01
A_52_P652968	AY214462	Steap3	68428	STEAP family member 3	-2.89	0.58	0.03
A_52_P780972	AV079128	Map3k4	26407	mitogen-activated protein kinase kinase kinase 4	-4.69	0.58	0.00
A_51_P217415	XM_126830	2410004P0	73667	RIKEN cDNA 2410004P03 gene	-3.40	0.58	0.01
A_51_P494622	AK144842	Ttc13	234875	tetratricopeptide repeat domain 13	-3.57	0.58	0.01
A_52_P174872	AK028820	C030015A1	177418	RIKEN cDNA C030015A19 gene	-3.39	0.58	0.01
A_52_P625808	NM_031179	Sf3b1	81898	splicing factor 3b, subunit 1	-3.97	0.58	0.00
A_51_P324871	NM_201351	Cybas3	225912	cytochrome b, ascorbate dependent 3	-3.42	0.58	0.01
A_52_P614336	NM_011116	Pld3	18807	phospholipase D family, member 3	-2.65	0.58	0.06
A_51_P123066	AK016133	4930555K1	620121	RIKEN cDNA 4930555K19 gene	-3.58	0.58	0.01
A_52_P563450	AK010171	Brix1	67832	BRX1, biogenesis of ribosomes, homolog (<i>S. cerevisiae</i>)	-2.61	0.58	0.07
A_52_P353198	NM_144514	Commd1	17846	COMM domain containing 1	-3.31	0.58	0.01
A_52_P26892	AK008884	C1galt1	94192	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	-3.36	0.58	0.01
A_51_P517928	NM_011020	Hspa4l	18415	heat shock protein 4 like	-4.86	0.58	0.00
A_51_P147207	NM_011563	Prdx2	21672	peroxiredoxin 2	-4.02	0.58	0.00
A_51_P460710	NM_172605	Tdrd3	219249	tudor domain containing 3	-3.31	0.58	0.01
A_52_P431872	NM_027275	Ptcd3	69956	pentatricopeptide repeat domain 3	-2.79	0.58	0.04
A_51_P511646	NM_029561	Ndfip2	76273	Nedd4 family interacting protein 2	-2.94	0.58	0.02
A_52_P175376	AK086294	Tcfcp2l1	81879	transcription factor CP2-like 1	-3.02	0.58	0.02
A_51_P120295	NM_029562	Cyp2d26	76279	cytochrome P450, family 2, subfamily d, polypeptide 26	-3.60	0.58	0.01
A_51_P500044	AK036010	Vldlr	22359	very low density lipoprotein receptor	-3.49	0.58	0.01

A_51_P106859	NM_138721	Lsm10	116748	U7 snRNP-specific Sm-like protein LSM10	-3.16	0.58	0.01
A_51_P360508	NM_144801	Tmem143	70209	transmembrane protein 143	-3.10	0.57	0.02
A_51_P235440	AK016197	Pelp1	75273	proline, glutamic acid and leucine rich protein 1	-3.25	0.57	0.01
A_52_P244723	NM_173038	Tbcel	272589	tubulin folding cofactor E-like	-3.16	0.57	0.01
A_51_P139165	NM_025822	Rsrc1	66880	arginine/serine-rich coiled-coil 1	-3.09	0.57	0.02
A_52_P452540	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3	-3.55	0.57	0.01
A_51_P216219	NM_007982	Ptk2	14083	PTK2 protein tyrosine kinase 2	-2.81	0.57	0.04
				NADH dehydrogenase (ubiquinone) 1, subcomplex			
A_52_P270888	NM_025523	Ndufc1	66377	unknown, 1	-3.20	0.57	0.01
A_51_P361563	NM_145385	Mlf2	30853	myeloid leukemia factor 2	-4.38	0.57	0.00
A_51_P378858	NM_025770	Atg10	66795	autophagy-related 10 (yeast)	-3.70	0.57	0.00
A_51_P140374	NM_139228	Rhbdl3	246104	rhomboid, veinlet-like 3 (Drosophila)	-4.08	0.57	0.00
A_51_P310164	AK013367	2810459M	72792	RIKEN cDNA 2810459M11 gene	-3.44	0.57	0.01
A_51_P482508	AK033099	Sc4mol	66234	sterol-C4-methyl oxidase-like	-2.98	0.57	0.02
A_51_P421244	NM_026662	Prps2	110639	phosphoribosyl pyrophosphate synthetase 2	-4.80	0.57	0.00
				ATPase, aminophospholipid transporter (APLT), class I,			
A_52_P385896	NM_001038	Atp8a1	11980	type 8A, member 1	-4.22	0.57	0.00
A_51_P137375	NM_026033	Gatad1	67210	GATA zinc finger domain containing 1	-3.60	0.57	0.01
A_51_P483928	NM_001038	Glrx2	69367	glutaredoxin 2 (thioltransferase)	-3.22	0.57	0.01
A_51_P343717	NA	NA	NA	NA	-4.45	0.57	0.00
A_52_P836389	DV062564	NA	NA	NA	-4.16	0.57	0.00
				ATP synthase, H ⁺ transporting, mitochondrial F1			
A_51_P378087	NM_020615	Atp5c1	11949	complex, gamma polypeptide 1	-5.09	0.57	0.00
A_51_P495485	NM_028264	Tmem55a	72519	transmembrane protein 55A	-4.00	0.57	0.00
A_52_P204689	NM_009006	Map4k2	26412	mitogen-activated protein kinase kinase kinase kinase 2	-4.11	0.57	0.00
A_52_P238523	NM_183147	Sprn	212518	shadow of prion protein	-3.06	0.57	0.02
A_52_P542794	NM_001002	2610507B1	72503	RIKEN cDNA 2610507B11 gene	-4.27	0.57	0.00
A_51_P243304	NM_016905	Galk1	14635	galactokinase 1	-3.31	0.57	0.01
				UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase,			
A_52_P122867	NM_022305	B4galt1	14595	polypeptide 1	-4.52	0.57	0.00
A_51_P174314	NM_019413	Robo1	19876	roundabout homolog 1 (Drosophila)	-3.90	0.57	0.00
A_51_P386080	NM_025297	Mecr	26922	mitochondrial trans-2-enoyl-CoA reductase	-2.82	0.57	0.04
A_51_P284565	NM_133706	Tmem97	69071	transmembrane protein 97	-3.24	0.57	0.01

A_52_P465828	NM_028833	Iqce	74239	IQ motif containing E endoplasmic reticulum-golgi intermediate compartment	-2.82	0.57	0.04
A_52_P69707	NM_026170	Ergic1	67458	(ERGIC) 1	-2.87	0.57	0.03
A_51_P269084	NM_175329	Chchd10	103172	coiled-coil-helix-coiled-coil-helix domain containing 10	-3.46	0.57	0.01
A_51_P491758	NA	NA	NA	NA	-3.22	0.57	0.01
A_51_P303824	NM_029588	1700012L0	76383	RIKEN cDNA 1700012L04 gene	-6.01	0.57	0.00
A_51_P267861	NM_021542	Kcnk5	16529	potassium channel, subfamily K, member 5	-3.21	0.57	0.01
A_52_P480532	AK020640	Gpc4	14735	glypican 4	-3.73	0.57	0.00
A_51_P465445	NM_008633	Mtap4	17758	microtubule-associated protein 4	-3.57	0.57	0.01
A_51_P226142	AK131163	Fam116a	211922	family with sequence similarity 116, member A	-2.61	0.57	0.07
A_52_P652092	AK013674	2900053A1	1554362	RIKEN cDNA 2900053A13 gene	-3.71	0.57	0.00
A_52_P461292	NM_008753	Oaz1	18245	ornithine decarboxylase antizyme 1	-3.07	0.57	0.02
A_51_P471386	NM_011800	Cdh20	23836	cadherin 20	-3.84	0.57	0.00
A_51_P128973	NM_013474	Apoa2	11807	apolipoprotein A-II	-4.64	0.57	0.00
A_52_P306396	NM_008914	Ppp3cb	19056	protein phosphatase 3, catalytic subunit, beta isoform	-4.30	0.57	0.00
A_51_P281938	NM_011489	Stat5b	20851	signal transducer and activator of transcription 5B	-4.65	0.57	0.00
A_52_P359591	NM_013744	Zfp354b	27274	zinc finger protein 354B	-2.84	0.57	0.03
A_51_P379597	NM_145518	Ndufs1	227197	NADH dehydrogenase (ubiquinone) Fe-S protein 1	-4.12	0.57	0.00
A_52_P230904	NM_175450	Wdr18	216156	WD repeat domain 18	-3.86	0.57	0.00
A_52_P538117	XM_988017	Chadl	214685	chondroadherin-like	-2.98	0.57	0.02
A_52_P560620	NM_145215	Abhd11	68758	abhydrolase domain containing 11	-3.16	0.57	0.01
A_52_P106294	NM_172587	Cdc14b	218294	CDC14 cell division cycle 14 homolog B (<i>S. cerevisiae</i>) solute carrier family 9 (sodium/hydrogen exchanger),	-3.21	0.57	0.01
A_52_P375323	NM_177909	Slc9a9	331004	member 9	-6.09	0.57	0.00
A_52_P40975	AK046528	Fam13a	58909	family with sequence similarity 13, member A	-3.04	0.57	0.02
A_51_P268563	NM_007932	Eng	13805	endoglin	-3.12	0.57	0.01
A_52_P305053	NM_177163	NA	NA	NA	-4.50	0.57	0.00
A_52_P226127	NM_011805	Dido1	23856	death inducer-obliterator 1	-2.61	0.57	0.07
A_52_P341339	NM_009231	Sos1	20662	son of sevenless homolog 1 (<i>Drosophila</i>)	-4.94	0.57	0.00

				vesicle-associated membrane protein, associated			
A_51_P323443	NM_019806	Vapb	56491	protein B and C	-2.87	0.57	0.03
A_52_P34893	NM_025822	Rsrc1	66880	arginine/serine-rich coiled-coil 1	-3.10	0.57	0.02
A_52_P559557	NM_001033:BC026585		226527	cDNA sequence BC026585	-3.72	0.57	0.00
A_51_P489821	BC058274	Wdfy3	72145	WD repeat and FYVE domain containing 3	-2.99	0.57	0.02
A_52_P485000	AK052489	Palld	72333	palladin, cytoskeletal associated protein	-3.72	0.57	0.00
A_51_P354706	NM_010094	Lefty1	13590	left right determination factor 1	-3.55	0.57	0.01
A_52_P547447	NM_022432	Sirt2	64383	sirtuin 2 (silent mating type information regulation 2, homolog) 2 (<i>S. cerevisiae</i>)	-2.92	0.57	0.03
A_51_P454152	AK048416	Ercc6	319955	excision repair cross-complementing rodent repair deficiency, complementation group 6	-3.13	0.57	0.01
A_52_P387724	NM_001079:	Tcf7l1	21415	transcription factor 7-like 1 (T-cell specific, HMG box)	-3.49	0.57	0.01
A_51_P437240	NM_007929	Emp2	13731	epithelial membrane protein 2	-2.79	0.57	0.04
A_52_P795929	AK081614	NA	NA	NA	-3.99	0.57	0.00
A_52_P557053	NM_011235	Rad51l3	19364	RAD51-like 3 (<i>S. cerevisiae</i>)	-2.74	0.57	0.05
A_51_P273197	NM_024227	Mrpl28	68611	mitochondrial ribosomal protein L28	-4.11	0.57	0.00
A_52_P225207	NM_007523	Bak1	12018	BCL2-antagonist/killer 1	-2.65	0.57	0.06
A_51_P223058	BC064474	Cgn	70737	cingulin	-2.89	0.57	0.03
A_52_P266459	NM_023503	Ing2	69260	inhibitor of growth family, member 2	-3.57	0.57	0.01
A_51_P108757	NM_024243	Fuca1	71665	fucosidase, alpha-L- 1, tissue	-4.40	0.57	0.00
A_52_P456750	NM_177583	Aph1b	208117	anterior pharynx defective 1b homolog (<i>C. elegans</i>)	-4.14	0.57	0.00
A_51_P458538	NM_025551	Ndufa12	66414	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	-3.15	0.57	0.01
A_52_P387882	NM_001004:	Fbll1	237730	fibrillarlin-like 1	-3.81	0.57	0.00
A_51_P308469	NM_011884	Rngtt	24018	RNA guanylyltransferase and 5'-phosphatase	-4.33	0.57	0.00
A_52_P893095	NA	NA	NA	NA	-3.54	0.57	0.01
A_52_P671502	AK047515	9930021J0:	240613	RIKEN cDNA 9930021J03 gene	-2.79	0.57	0.04
A_51_P505339	NM_025596	Preli1	66494	PRELI domain containing 1	-4.21	0.57	0.00
A_52_P122673	NM_031998	Tsga14	83922	testis specific gene A14	-3.01	0.57	0.02
A_51_P193794	NM_008512	Lrp1	16971	low density lipoprotein receptor-related protein 1	-2.92	0.57	0.03
A_51_P163778	NM_027274	NA	NA	NA	-3.37	0.57	0.01

A_52_P348922	AK017896	C2cd2	207781	C2 calcium-dependent domain containing 2	-3.81	0.57	0.00
A_52_P453469	NM_001045!	Proca1	216974	protein interacting with cyclin A1	-3.10	0.57	0.02
A_51_P155501	NM_145939	Alg3	208624	asparagine-linked glycosylation 3 homolog (yeast, alpha-1,3-mannosyltransferase)	-3.43	0.57	0.01
A_51_P211315	NM_153545	Lrrc45	217366	leucine rich repeat containing 45	-2.89	0.57	0.03
A_52_P622067	NM_029600	Abcc3	76408	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	-4.78	0.57	0.00
A_51_P221072	NM_175425	C1qtnf7	109323	C1q and tumor necrosis factor related protein 7	-4.19	0.57	0.00
A_52_P228171	NM_027652	D5Wsu178	28042	DNA segment, Chr 5, Wayne State University 178, expressed	-4.48	0.56	0.00
A_52_P243249	NM_011952	Mapk3	26417	mitogen-activated protein kinase 3	-3.58	0.56	0.01
A_52_P622641	NM_008905	Ppfibp2	19024	PTPRF interacting protein, binding protein 2 (liprin beta 2)	-3.23	0.56	0.01
A_51_P151362	NM_028316	Zfp444	72667	zinc finger protein 444	-2.64	0.56	0.07
A_51_P132625	NM_053262	Hsd17b11	114664	hydroxysteroid (17-beta) dehydrogenase 11	-3.68	0.56	0.00
A_51_P153973	NM_198322	Zfp273	212569	zinc finger protein 273	-3.84	0.56	0.00
A_52_P29392	NM_013866	Zfp385a	29813	zinc finger protein 385A	-2.88	0.56	0.03
A_52_P278248	NM_177345	Mapkap1	227743	mitogen-activated protein kinase associated protein 1	-2.83	0.56	0.03
A_51_P241667	NM_011159	Prkdc	19090	protein kinase, DNA activated, catalytic polypeptide	-2.94	0.56	0.02
A_52_P29030	AY139115	NA	NA	NA	-3.24	0.56	0.01
A_51_P282092	NM_009478	Urod	22275	uroporphyrinogen decarboxylase	-4.62	0.56	0.00
A_51_P327539	NM_146950	Olfr341	258952	olfactory receptor 341	-3.20	0.56	0.01
A_52_P295067	NM_009223	Snn	20621	stannin	-3.81	0.56	0.00
A_51_P247184	NM_008728	Npr3	18162	natriuretic peptide receptor 3	-4.21	0.56	0.00
A_51_P223583	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-2.89	0.56	0.03
A_51_P501656	NM_212445	Kdelc2	68304	KDEL (Lys-Asp-Glu-Leu) containing 2	-5.60	0.56	0.00
A_51_P428410	NA	NA	NA	NA	-3.23	0.56	0.01
A_52_P574710	BC064447	Whsc1l1	234135	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	-3.83	0.56	0.00
A_51_P168789	BC026406	Xylb	102448	xylulokinase homolog (H. influenzae)	-2.89	0.56	0.03
A_51_P372186	NM_020589	Zfp467	68910	zinc finger protein 467	-3.83	0.56	0.00
A_52_P68674	BC100378	Hjurp	381280	Holliday junction recognition protein	-3.55	0.56	0.01

A_52_P642109	BC029621	Prpsap1	67763	phosphoribosyl pyrophosphate synthetase-associated protein 1	-3.17	0.56	0.01
A_52_P644806	NM_026908	Cab39l	69008	calcium binding protein 39-like	-2.80	0.56	0.04
A_51_P261470	NM_028388	Ndufv2	72900	NADH dehydrogenase (ubiquinone) flavoprotein 2	-4.26	0.56	0.00
A_51_P473154	NM_011633	Traf5	22033	TNF receptor-associated factor 5	-4.08	0.56	0.00
A_51_P297647	NM_139302	Sh3glb2	227700	SH3-domain GRB2-like endophilin B2	-2.83	0.56	0.04
A_52_P128951	NM_025671	Ogfod2	66627	2-oxoglutarate and iron-dependent oxygenase domain containing 2	-3.36	0.56	0.01
A_51_P151756	NM_144826	Utp6	216987	UTP6, small subunit (SSU) processome component, homolog (yeast)	-2.86	0.56	0.03
A_51_P172475	NM_011309	S100a1	20193	S100 calcium binding protein A1	-3.23	0.56	0.01
A_52_P544885	NM_011459	Serpinb8	20725	serine (or cysteine) peptidase inhibitor, clade B, member 8	-4.89	0.56	0.00
A_51_P319392	NM_145938	Rpp40	208366	ribonuclease P 40 subunit (human)	-7.14	0.56	0.00
A_51_P463187	NM_194334	Tbc1d2b	67016	TBC1 domain family, member 2B	-2.70	0.56	0.05
A_52_P300331	NM_177327	Wwp1	107568	WW domain containing E3 ubiquitin protein ligase 1	-4.35	0.56	0.00
A_51_P115715	NM_023049	Asb2	65256	ankyrin repeat and SOCS box-containing 2	-5.20	0.56	0.00
A_51_P330717	NM_025287	Spop	20747	speckle-type POZ protein	-2.92	0.56	0.03
A_51_P218535	XM_130232	Neb	17996	nebulin	-2.95	0.56	0.02
A_51_P122825	NM_010956	Ogdh	18293	oxoglutarate dehydrogenase (lipoamide)	-3.03	0.56	0.02
A_52_P544017	NM_013649	Ryk	20187	receptor-like tyrosine kinase	-3.05	0.56	0.02
A_52_P540462	NM_001076	1810012P1	66274	RIKEN cDNA 1810012P15 gene	-3.19	0.56	0.01
A_51_P282523	NM_054044	Gpr124	78560	G protein-coupled receptor 124	-3.30	0.56	0.01
A_52_P365615	NM_172759	Ces5	234673	carboxylesterase 5	-3.40	0.56	0.01
A_51_P218205	NM_144514	Commd1	17846	COMM domain containing 1	-2.62	0.56	0.07
A_51_P209225	NM_133932	Tada3	101206	transcriptional adaptor 3	-2.89	0.56	0.03
A_52_P240706	NM_001039	Ceacam1	26365	carcinoembryonic antigen-related cell adhesion molecule 1	-3.37	0.56	0.01
A_51_P117739	NM_010216	Figf	14205	c-fos induced growth factor	-3.66	0.56	0.00
A_51_P377489	AF169286	Ptplb	70757	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	-5.53	0.56	0.00
A_51_P265685	NM_026673	Apoo	68316	apolipoprotein O	-5.16	0.56	0.00

Accession	Gene	Protein	Description	Score	Value	P-value	
A_52_P222135	NM_001033	Lrch1	380916	leucine-rich repeats and calponin homology (CH) domain containing 1	-3.75	0.56	0.00
A_51_P133582	NM_007625	Cbx4	12418	chromobox homolog 4 (Drosophila Pc class)	-3.16	0.56	0.01
A_51_P425010	NM_146702	Olfr1444	258697	olfactory receptor 1444	-3.40	0.56	0.01
A_51_P312517	NM_008058	Fzd8	14370	frizzled homolog 8 (Drosophila)	-3.64	0.56	0.00
A_52_P407697	NM_176904	D230002A	319388	RIKEN cDNA D230002A01 gene	-2.63	0.56	0.07
A_51_P409173	NM_008492	Ldhb	16832	lactate dehydrogenase B	-2.71	0.56	0.05
A_52_P423174	NM_146230	Acaa1b	235674	acetyl-Coenzyme A acyltransferase 1B	-3.38	0.56	0.01
A_51_P123017	NM_011818	Gmcl1	23885	germ cell-less homolog 1 (Drosophila) ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	-3.18	0.56	0.01
A_51_P410112	NM_139153	Agap3	213990	domain 3	-3.53	0.56	0.01
A_52_P674357	NM_153083	Thtpa	105663	thiamine triphosphatase	-2.80	0.56	0.04
A_51_P234330	NM_133641	Rtkn	20166	rhotekin	-3.00	0.56	0.02
A_51_P200586	NM_027920	8-Mar	71779	membrane-associated ring finger (C3HC4) 8	-5.37	0.56	0.00
A_51_P311905	AK011270	2610002I1	72341	RIKEN cDNA 2610002I17	-3.80	0.56	0.00
A_52_P207314	XM_284398	NA	NA	NA	-4.66	0.56	0.00
A_51_P341255	AK078885	AI842136	102596	expressed sequence AI842136	-3.22	0.56	0.01
A_51_P342271	NM_001035	Setd6	66083	SET domain containing 6	-4.30	0.56	0.00
A_52_P528505	NM_026353	Slc48a1	67739	solute carrier family 48 (heme transporter), member 1	-3.10	0.56	0.02
A_51_P465988	AK076333	Ganc	76051	glucosidase, alpha; neutral C	-3.61	0.56	0.01
A_52_P124812	AK122301	Usp15	14479	ubiquitin specific peptidase 15	-2.98	0.56	0.02
A_51_P417720	NM_176922	Itga11	319480	integrin alpha 11	-3.98	0.56	0.00
A_51_P211671	NM_008424	Kcne1	16509	potassium voltage-gated channel, Isk-related subfamily, member 1	-2.79	0.56	0.04
A_51_P380801	NM_026013	Dram2	67171	VDNA-damage regulated autophagy modulator 2	-4.57	0.56	0.00
A_52_P323259	NA	NA	NA	NA	-3.51	0.56	0.01
A_52_P198916	NM_153091	St7l	229681	suppression of tumorigenicity 7-like	-2.91	0.56	0.03
A_51_P329441	NM_009768	Bsg	12215	basigin	-3.21	0.56	0.01
A_51_P432504	NM_024229	Pcyt2	68671	phosphate cytidylyltransferase 2, ethanolamine	-3.71	0.56	0.00
A_52_P105801	AK140163	Arsb	11881	arylsulfatase B	-4.20	0.56	0.00
A_51_P498004	NM_010301	Gna11	14672	guanine nucleotide binding protein, alpha 11	-3.69	0.56	0.00
A_52_P463968	NM_008738	Nrtn	18188	neurturin	-4.99	0.56	0.00
A_51_P236042	NM_008874	Plcb3	18797	phospholipase C, beta 3	-2.72	0.56	0.05

A_52_P154880	NM_023626	Ing3	71777	inhibitor of growth family, member 3	-3.10	0.56	0.02
A_52_P129388	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	-3.34	0.56	0.01
A_51_P196925	NM_009142	Cx3cl1	20312	chemokine (C-X3-C motif) ligand 1	-2.83	0.56	0.04
A_52_P383378	NM_001004	Whamm	434204	WAS protein homolog associated with actin, golgi membranes and microtubules	-4.10	0.56	0.00
A_52_P664593	NM_146137	Amigo1	229715	adhesion molecule with Ig like domain 1	-5.63	0.56	0.00
A_51_P452533	BC035277	Ildr2	1E+08	immunoglobulin-like domain containing receptor 2 death effector domain-containing DNA binding protein 2	-2.74	0.56	0.05
A_52_P204393	AK043908	Dedd2	67379	2	-4.64	0.56	0.00
A_52_P300856	AK034570	D130020L0319760		RIKEN cDNA D130020L05 gene	-3.18	0.56	0.01
A_51_P492228	NM_030037	Mospd3	68929	motile sperm domain containing 3	-4.92	0.56	0.00
A_51_P295582	NM_025530	Cutc	66388	cutC copper transporter homolog (E.coli)	-4.67	0.56	0.00
A_52_P638895	NM_001025	Vegfa	22339	vascular endothelial growth factor A	-3.15	0.56	0.01
A_52_P167382	NM_021793	Tmem8	60455	transmembrane protein 8 (five membrane-spanning domains)	-3.38	0.56	0.01
A_52_P585699	NM_025296	Ciao1	26371	cytosolic iron-sulfur protein assembly 1 homolog (S. cerevisiae)	-3.65	0.56	0.00
A_51_P158628	NM_011952	Mapk3	26417	mitogen-activated protein kinase 3	-3.90	0.56	0.00
A_52_P523422	NM_007886	Dtnb	13528	dystrobrevin, beta	-4.35	0.56	0.00
A_51_P395546	NM_153537	Phldb1	102693	pleckstrin homology-like domain, family B, member 1	-3.21	0.56	0.01
A_52_P1179742	AK040669	NA	NA	NA	-2.71	0.56	0.05
A_51_P250123	NM_028543	Zfp763	73451	zinc finger protein 763	-3.81	0.55	0.00
A_51_P199217	XM_895899	NA	NA	NA	-5.34	0.55	0.00
A_52_P239735	NM_011341	Sdf4	20318	stromal cell derived factor 4	-3.22	0.55	0.01
A_52_P621064	NA	NA	NA	NA	-3.36	0.55	0.01
A_52_P59612	NM_028866	Wdr33	74320	WD repeat domain 33	-4.68	0.55	0.00
A_52_P226664	AK040520	Thsd4	207596	thrombospondin, type I, domain containing 4	-3.84	0.55	0.00
A_51_P213205	NM_133778	Fam131a	78408	family with sequence similarity 131, member A	-3.51	0.55	0.01
A_52_P66580	BC011139	Gck	103988	glucokinase	-3.60	0.55	0.01
A_52_P613977	NA	NA	NA	NA	-3.71	0.55	0.00
A_52_P449871	NM_031166	Id4	15904	inhibitor of DNA binding 4	-3.29	0.55	0.01
A_51_P285217	BC031575	4921513D2223989		RIKEN cDNA 4921513D23 gene	-3.54	0.55	0.01

A_51_P464588	NM_138664	Dnajc28	246738	Dnaj (Hsp40) homolog, subfamily C, member 28	-2.80	0.55	0.04
A_51_P414160	NM_027935	Tmem50a	71817	transmembrane protein 50A	-4.90	0.55	0.00
A_51_P335583	NM_172561	Spag7	216873	sperm associated antigen 7	-3.71	0.55	0.00
A_51_P181751	NM_207267	Tmsb15b1-	399591	Tmsb15b1-Tmsb15b2 readthrough transcript	-2.84	0.55	0.03
A_52_P577662	NM_007904	Ednrb	13618	endothelin receptor type B	-3.25	0.55	0.01
A_51_P374337	NM_013520	Flt3l	14256	FMS-like tyrosine kinase 3 ligand	-2.90	0.55	0.03
A_51_P118415	NM_029023	Scpep1	74617	serine carboxypeptidase 1	-2.88	0.55	0.03
A_51_P462556	AK143982	Gm10658	1E+08	predicted gene 10658	-3.15	0.55	0.01
A_52_P27864	NM_011360	Sgce	20392	sarcoglycan, epsilon	-2.94	0.55	0.02
A_52_P675157	NM_007388	Acp5	11433	acid phosphatase 5, tartrate resistant	-3.90	0.55	0.00
A_51_P114372	NM_027877	Mus81	71711	MUS81 endonuclease homolog (yeast)	-2.81	0.55	0.04
A_51_P237599	NM_009691	Aplp2	11804	amyloid beta (A4) precursor-like protein 2	-3.10	0.55	0.02
A_52_P468537	NM_018888	Uqcc	56046	ubiquinol-cytochrome c reductase complex chaperone, CBP3 homolog (yeast)	-5.46	0.55	0.00
A_51_P440443	NM_138586	Exosc5	27998	exosome component 5	-4.19	0.55	0.00
A_51_P104722	NM_001010	Gpr12	14738	G-protein coupled receptor 12	-5.46	0.55	0.00
A_51_P117752	NM_009714	Asgr1	11889	asialoglycoprotein receptor 1	-3.32	0.55	0.01
A_51_P293077	NM_008583	Men1	17283	multiple endocrine neoplasia 1	-3.58	0.55	0.01
A_52_P417489	NM_009873	Cdk6	12571	cyclin-dependent kinase 6	-4.41	0.55	0.00
A_51_P219662	NM_025831	1300014I06	66895	RIKEN cDNA 1300014I06 gene	-2.85	0.55	0.03
A_51_P403636	NM_001042	Smad7	17131	MAD homolog 7 (Drosophila)	-2.87	0.55	0.03
A_52_P371063	NM_198026	Iqcc	230767	IQ motif containing C	-4.13	0.55	0.00
A_52_P482724	BC042707	Prok1	246691	prokineticin 1	-3.73	0.55	0.00
A_51_P454691	AK160693	4930430F08	68281	RIKEN cDNA 4930430F08 gene	-3.26	0.55	0.01
A_51_P179531	NM_008029	Flt4	14257	FMS-like tyrosine kinase 4	-3.10	0.55	0.02
A_52_P409578	NM_178045	Rassf4	213391	Ras association (RalGDS/AF-6) domain family member 4	-5.59	0.55	0.00
A_52_P128032	NM_146051	3830406C13	218734	RIKEN cDNA 3830406C13 gene	-3.46	0.55	0.01
A_51_P120717	NM_010721	Lmnb1	16906	lamin B1	-3.59	0.55	0.01
A_51_P457528	NM_007630	Ccnb2	12442	cyclin B2	-2.67	0.55	0.05
A_52_P802967	AK035497	NA	NA	NA	-4.69	0.55	0.00
A_52_P550034	NM_011563	Prdx2	21672	peroxiredoxin 2	-4.64	0.55	0.00
A_51_P468558	NM_172623	Trem14	224840	triggering receptor expressed on myeloid cells-like 4	-2.68	0.55	0.05

A_52_P232935	NM_027251	2010107G2	69894	RIKEN cDNA 2010107G23 gene	-4.05	0.55	0.00
A_52_P1149257	AK039958	Gm14207	1E+08	predicted gene 14207	-4.53	0.55	0.00
A_51_P503756	AK008094	Igl-V1	16142	immunoglobulin lambda chain, variable 1	-2.81	0.55	0.04
A_51_P112529	NM_011256	Pitpnm2	19679	phosphatidylinositol transfer protein, membrane-associated 2	-2.85	0.55	0.03
A_52_P208213	NA	NA	NA	NA	-2.67	0.55	0.05
A_52_P436282	AK041732	4933432B0	75729	RIKEN cDNA 4933432B09 gene	-2.98	0.55	0.02
A_52_P522372	NM_175503	Aard	239435	alanine and arginine rich domain containing protein	-5.79	0.55	0.00
A_51_P135802	NM_025282	Mef2c	17260	myocyte enhancer factor 2C	-4.46	0.55	0.00
A_51_P448664	NM_011539	Tbxas1	21391	thromboxane A synthase 1, platelet	-4.11	0.55	0.00
A_52_P432787	NM_026794	Deb1	26901	differentially expressed in B16F10 1	-4.19	0.55	0.00
A_52_P686136	NM_172661	Bat2l	227723	HLA-B associated transcript 2-like	-4.01	0.55	0.00
A_52_P661	AK081523	Plxna4	243743	plexin A4	-4.35	0.55	0.00
A_51_P337020	NM_025483	Senp7	66315	SUMO1/sentrin specific peptidase 7	-3.02	0.55	0.02
A_51_P222467	NM_009593	Abcg1	11307	ATP-binding cassette, sub-family G (WHITE), member 1	-3.54	0.55	0.01
A_52_P243542	NM_183219	NA	NA	NA	-4.00	0.55	0.00
A_52_P184525	AK046516	Gm10336	328186	predicted gene 10336	-4.97	0.55	0.00
A_51_P221428	NM_028763	Cbx6	494448	chromobox homolog 6	-3.10	0.55	0.02
A_51_P103406	NM_011708	Vwf	22371	Von Willebrand factor homolog	-4.19	0.55	0.00
A_52_P1139509	AK037434	NA	NA	NA	-3.20	0.55	0.01
A_51_P193935	NM_008650	Mut	17850	methylmalonyl-Coenzyme A mutase	-4.03	0.55	0.00
A_51_P426994	NM_153591	Nars2	244141	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative)	-5.36	0.55	0.00
A_51_P300143	NM_025650	Uqcr11	66594	ubiquinol-cytochrome c reductase, complex III subunit XI	-5.72	0.55	0.00
A_51_P434041	NM_021426	Nkain4	58237	Na ⁺ /K ⁺ transporting ATPase interacting 4	-3.28	0.55	0.01
A_51_P197043	NM_028875	Xrcc3	74335	X-ray repair complementing defective repair in Chinese hamster cells 3	-4.02	0.55	0.00
A_51_P140321	NM_026779	Mocos	68591	molybdenum cofactor sulfurase	-4.01	0.55	0.00
A_52_P382627	NM_134111	Eaf2	106389	ELL associated factor 2	-2.75	0.55	0.05
A_52_P280344	NM_028412	Ciz1	68379	CDKN1A interacting zinc finger protein 1	-2.95	0.55	0.02
A_52_P99665	AK129340	Pdcd6ip	18571	programmed cell death 6 interacting protein	-3.11	0.55	0.01

A_52_P601385	NM_138309	Cd99l2	171486	CD99 antigen-like 2	-3.35	0.55	0.01
A_51_P478544	NA	NA	NA	NA	-2.82	0.55	0.04
A_51_P295610	NM_025567	Cyc1	66445	cytochrome c-1	-3.72	0.55	0.00
A_52_P215387	AK051059	D030063E1328530		hypothetical protein D030063E12	-3.14	0.55	0.01
A_52_P1140098	AK038241	Gm10914	1E+08	predicted gene 10914	-3.55	0.55	0.01
A_51_P109835	NM_025407	Uqcrc1	22273	ubiquinol-cytochrome c reductase core protein 1	-5.04	0.55	0.00
A_51_P379618	NM_011834	Aadat	23923	aminoadipate aminotransferase	-2.62	0.55	0.07
A_51_P248786	NM_026439	Ccdc80	67896	coiled-coil domain containing 80	-3.20	0.55	0.01
A_52_P261868	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-3.02	0.55	0.02
A_51_P322000	XM_130308	NA	NA	NA	-3.50	0.55	0.01
A_52_P631613	NA	NA	NA	NA	-3.42	0.55	0.01
A_52_P147803	NM_153577	AI428936	233066	expressed sequence AI428936	-3.58	0.55	0.01
A_51_P459873	AK018157	6330411E070733		RIKEN cDNA 6330411E07 gene	-4.03	0.55	0.00
A_52_P212214	NM_153415	Pomt2	217734	protein-O-mannosyltransferase 2 mannoside acetylglucosaminyltransferase 4, isoenzyme	-3.11	0.55	0.02
A_52_P337220	NM_145926	Mgat4b	103534	B	-3.72	0.55	0.00
A_51_P312275	NM_026708	Tlcd1	68385	TLC domain containing 1	-3.00	0.55	0.02
A_51_P137236	NM_019498	Olfm1	56177	olfactomedin 1	-3.44	0.55	0.01
A_52_P19109	NM_172538	Vezt	215008	vezatin, adherens junctions transmembrane protein	-2.64	0.55	0.07
A_51_P178575	AF269193	Brd3	67382	bromodomain containing 3	-2.98	0.55	0.02
A_52_P242724	AK122311	Opa1	74143	optic atrophy 1 homolog (human)	-4.64	0.55	0.00
A_52_P592909	NM_026384	Dgat2	67800	diacylglycerol O-acyltransferase 2	-3.63	0.55	0.00
A_51_P397934	NM_130455	Grin3b	170483	glutamate receptor, ionotropic, NMDA3B	-2.80	0.55	0.04
A_51_P423666	NM_015796	Fbxo17	50760	F-box protein 17	-4.55	0.55	0.00
A_52_P336290	NM_029519	Rap2a	76108	RAS related protein 2a	-3.40	0.55	0.01
A_51_P114563	NM_177370	Rhbdd3	279766	rhomboid domain containing 3	-3.26	0.55	0.01
A_51_P375987	NM_021716	Fign	60344	fidgetin	-3.26	0.55	0.01
A_51_P215559	NM_144869	BC021614	225884	cDNA sequence BC021614	-3.26	0.54	0.01
A_51_P167660	NM_175157	2610204G270448		RIKEN cDNA 2610204G22 gene solute carrier family 37 (glycerol-3-phosphate transporter), member 2	-6.52	0.54	0.00
A_51_P259774	NM_020258	Slc37a2	56857		-4.32	0.54	0.00
A_51_P483280	NM_011170	Prnp	19122	prion protein	-3.83	0.54	0.00

				protein phosphatase 1B, magnesium dependent, beta isoform	-4.80	0.54	0.00
A_52_P402175	NM_011151	Ppm1b	19043				
A_51_P427151	NM_138671	Nadk	192185	NAD kinase	-3.84	0.54	0.00
A_52_P100625	XM_146632	9030420J0	71544	RIKEN cDNA 9030420J04 gene	-3.42	0.54	0.01
A_51_P493105	NM_029790	Mett5d1	76894	methyltransferase 5 domain containing 1	-3.25	0.54	0.01
A_52_P299358	XM_128781	NA	NA	NA	-2.75	0.54	0.05
A_51_P390164	NM_172255	Wdr11	207425	WD repeat domain 11	-3.80	0.54	0.00
				vimentin-type intermediate filament associated coiled-coil protein			
A_51_P494863	NM_178926	Vmac	106639		-2.71	0.54	0.05
A_52_P105164	NM_173748	Nudcd3	209586	NudC domain containing 3	-4.48	0.54	0.00
				branched chain aminotransferase 2, mitochondrial			
A_51_P181448	NM_009737	Bcat2	12036		-2.77	0.54	0.04
A_52_P723233	BB450286	NA	NA	NA	-2.77	0.54	0.04
A_52_P548470	XM_001005	NA	NA	NA	-4.80	0.54	0.00
A_51_P384436	NM_001033	Ctrc	76701	chymotrypsin C (caldecrin)	-3.30	0.54	0.01
A_52_P432052	XM_979393	4930515G	175098	RIKEN cDNA 4930515G13 gene	-2.78	0.54	0.04
				anterior pharynx defective 1b homolog (C. elegans)			
A_51_P325124	NM_177583	Aph1b	208117		-4.69	0.54	0.00
				acyl-CoA synthetase medium-chain family member 1			
A_51_P376138	NM_054094	Acsm1	117147		-3.80	0.54	0.00
A_51_P416378	NM_177644	Rasal2	226525	RAS protein activator like 2	-3.30	0.54	0.01
A_51_P114591	NM_028865	1110005A	74319	RIKEN cDNA 1110005A03 gene	-2.65	0.54	0.06
A_51_P292447	NM_146219	Klhl36	234796	kelch-like 36 (Drosophila)	-5.31	0.54	0.00
A_52_P297457	BC066053	0610030E	268364	RIKEN cDNA 0610030E20 gene	-3.83	0.54	0.00
A_52_P370878	NM_175489	Osbpl8	237542	oxysterol binding protein-like 8	-5.01	0.54	0.00
A_52_P387458	AJ293625	1810035L	1380773	RIKEN cDNA 1810035L17 gene	-3.60	0.54	0.01
				solute carrier family 37 (glycerol-3-phosphate transporter), member 2			
A_51_P259773	NM_020258	Slc37a2	56857		-3.42	0.54	0.01
				par-3 (partitioning defective 3) homolog (C. elegans)			
A_51_P189198	AK053576	Pard3	93742		-3.47	0.54	0.01
A_51_P224771	NM_172608	Tmem184b	223693	transmembrane protein 184b	-2.79	0.54	0.04
A_51_P372147	NM_025292	Synj2bp	24071	synaptojanin 2 binding protein	-3.81	0.54	0.00
A_51_P293339	NM_009427	Tob1	22057	transducer of ErbB-2.1	-3.26	0.54	0.01
A_52_P233664	NM_007496	Zfhx3	11906	zinc finger homeobox 3	-3.42	0.54	0.01

A_52_P94201	NM_009306	Syt1	20979	synaptotagmin I	-6.18	0.54	0.00
A_52_P97489	AK080954	Eif2c1	236511	eukaryotic translation initiation factor 2C, 1	-3.28	0.54	0.01
A_51_P121390	NM_001038	Anapc11	66156	anaphase promoting complex subunit 11	-3.68	0.54	0.00
A_51_P510663	NM_178652	Supt3h	109115	suppressor of Ty 3 homolog (S. cerevisiae)	-2.95	0.54	0.02
A_52_P136153	NM_007749	Cox7c	12867	cytochrome c oxidase, subunit VIIc	-3.11	0.54	0.02
A_51_P268964	AK013928	3100003M	73082	RIKEN cDNA 3100003M19 gene	-4.09	0.54	0.00
A_52_P356313	XM_0010051	NA	NA	NA	-3.32	0.54	0.01
A_52_P82532	NM_009746	Bcl7c	12055	B-cell CLL/lymphoma 7C	-2.67	0.54	0.05
A_51_P147684	X76653	Nr2f2	11819	nuclear receptor subfamily 2, group F, member 2	-2.63	0.54	0.07
A_51_P444335	NM_019800	Acp6	66659	acid phosphatase 6, lysophosphatidic	-2.72	0.54	0.05
A_51_P444052	NM_011327	Scp2	20280	sterol carrier protein 2, liver	-2.69	0.54	0.05
A_52_P965502	XM_911969	LOC636537	636537	similar to signal sequence receptor, alpha	-3.06	0.54	0.02
A_51_P312748	NM_027695	Oxsm	71147	3-oxoacyl-ACP synthase, mitochondrial	-3.50	0.54	0.01
				nudix (nucleoside diphosphate linked moiety X)-type			
A_51_P490388	NM_025529	Nudt8	66387	motif 8	-3.22	0.54	0.01
A_51_P467770	NM_028874	Snx19	102607	sorting nexin 19	-4.38	0.54	0.00
A_52_P388898	NM_028476	2610110G1	73242	RIKEN cDNA 2610110G12 gene	-3.35	0.54	0.01
A_52_P162486	NM_007542	Bgn	12111	biglycan	-3.48	0.54	0.01
A_52_P294834	NM_001079	2310038E1	71903	RIKEN cDNA 2310038E17 gene	-2.88	0.54	0.03
A_52_P388164	NM_146756	OlfR608	258751	olfactory receptor 608	-2.87	0.54	0.03
A_52_P119301	XM_133692	NA	NA	NA	-3.92	0.54	0.00
A_52_P416913	NM_009471	Umps	22247	uridine monophosphate synthetase	-3.74	0.54	0.00
A_51_P139748	NM_009338	Acat2	110460	acetyl-Coenzyme A acetyltransferase 2	-3.78	0.54	0.00
A_52_P637338	NM_025538	Alkbh7	66400	alkB, alkylation repair homolog 7 (E. coli)	-3.70	0.54	0.00
A_51_P149699	NM_013534	Leprel2	14789	leprecan-like 2	-4.18	0.54	0.00
A_51_P516870	NM_008409	Itn2a	16431	integral membrane protein 2A	-3.29	0.54	0.01
A_51_P313638	NM_134420	Slc26a6	171429	solute carrier family 26, member 6	-3.24	0.54	0.01
A_51_P304879	NA	NA	NA	NA	-3.38	0.54	0.01
A_52_P263774	NM_144811	Cbx7	52609	chromobox homolog 7	-2.75	0.54	0.05
A_52_P380460	NM_030133	Srbd1	78586	S1 RNA binding domain 1	-3.06	0.54	0.02
A_51_P130666	NM_134079	Adk	11534	adenosine kinase	-4.31	0.54	0.00
A_52_P78730	NM_023483	1110032AC	68721	RIKEN cDNA 1110032A03 gene	-4.24	0.54	0.00
A_51_P303728	NM_172575	Zfp277	246196	zinc finger protein 277	-3.73	0.54	0.00

				latent transforming growth factor beta binding protein			
A_51_P233101	NM_008520	Ltbp3	16998	3	-4.17	0.54	0.00
A_51_P494430	NM_031166	Id4	15904	inhibitor of DNA binding 4	-6.05	0.54	0.00
A_51_P375227	NM_009954	Bcar1	12927	breast cancer anti-estrogen resistance 1	-5.02	0.54	0.00
A_51_P394946	NM_024438	Dusp19	68082	dual specificity phosphatase 19	-2.84	0.54	0.03
A_51_P159552	AK159076	Sin3b	20467	transcriptional regulator, SIN3B (yeast)	-3.11	0.54	0.02
A_52_P320181	AK083075	Pygl	110095	liver glycogen phosphorylase	-3.10	0.54	0.02
A_51_P266211	NM_133741	Snrk	20623	SNF related kinase	-2.83	0.54	0.04
A_51_P325501	NM_053250	Crip3	114570	cysteine-rich protein 3	-3.07	0.54	0.02
A_51_P334504	NM_212468	Ssbp1	381760	single-stranded DNA binding protein 1	-3.90	0.54	0.00
				asparagine-linked glycosylation 6 homolog (yeast, alpha-			
A_52_P473209	AK157903	Alg6	320438	1,3,-glucosyltransferase)	-3.03	0.54	0.02
A_52_P671700	AK080793	9330129D05	338350	RIKEN cDNA 9330129D05 gene	-3.41	0.54	0.01
A_52_P425435	NA	NA	NA	NA	-5.09	0.54	0.00
A_51_P136699	XM_127105	Ttc7b	104718	tetratricopeptide repeat domain 7B	-3.45	0.54	0.01
				serine (or cysteine) peptidase inhibitor, clade A,			
A_52_P598495	NM_009245	Serpina1c	20702	member 1C	-4.52	0.54	0.00
A_51_P159565	NM_001033	Arhgef9	236915	CDC42 guanine nucleotide exchange factor (GEF) 9	-4.81	0.54	0.00
A_51_P200960	NM_025808	Lztr1	66863	leucine-zipper-like transcriptional regulator, 1	-3.37	0.53	0.01
A_52_P563655	NM_175090	Slc31a1	20529	solute carrier family 31, member 1	-4.25	0.53	0.00
A_52_P669451	AK135586	NA	NA	NA	-3.19	0.53	0.01
A_51_P183107	NM_175226	Rnf139	75841	ring finger protein 139	-4.39	0.53	0.00
				serine (or cysteine) peptidase inhibitor, clade C			
A_52_P409746	NM_080844	Serpinc1	11905	(antithrombin), member 1	-5.61	0.53	0.00
				synapse defective 1, Rho GTPase, homolog 2 (C.			
A_51_P362538	XM_001004	Syde2	214804	elegans)	-3.39	0.53	0.01
A_51_P331900	NM_016747	Dlg3	53310	discs, large homolog 3 (Drosophila)	-3.60	0.53	0.01
A_51_P485683	NM_025960	Trappc6a	67091	trafficking protein particle complex 6A	-4.28	0.53	0.00
A_52_P667923	NM_011020	Hspa4l	18415	heat shock protein 4 like	-4.13	0.53	0.00
A_51_P281835	NM_198411	Inf2	70435	inverted formin, FH2 and WH2 domain containing	-4.57	0.53	0.00
A_52_P384508	NM_145124	Mib2	76580	mindbomb homolog 2 (Drosophila)	-3.82	0.53	0.00
A_52_P185753	NM_019965	Dnajb12	56709	Dnaj (Hsp40) homolog, subfamily B, member 12	-3.33	0.53	0.01

				avian musculoaponeurotic fibrosarcoma (v-maf) AS42			
A_51_P405167	NM_001025!	Maf	17132	oncogene homolog	-2.91	0.53	0.03
A_52_P21986	NM_026062	Fam69a	67266	family with sequence similarity 69, member A	-4.15	0.53	0.00
A_51_P339305	NM_016812	Banp	53325	BTG3 associated nuclear protein	-2.96	0.53	0.02
A_52_P26826	NM_025410	Lage3	66192	L antigen family, member 3	-2.90	0.53	0.03
A_51_P462814	NM_023637	Sars2	71984	seryl-aminoacyl-tRNA synthetase 2	-4.92	0.53	0.00
A_51_P316951	AK078889	Wipf3	330319	WAS/WASL interacting protein family, member 3	-3.42	0.53	0.01
A_51_P321921	NM_024221	Pdhb	68263	pyruvate dehydrogenase (lipoamide) beta	-4.51	0.53	0.00
A_51_P481832	NM_019519	Rabggta	56187	Rab geranylgeranyl transferase, a subunit	-3.19	0.53	0.01
A_52_P684130	NM_001033: 2510002D2	72307		RIKEN cDNA 2510002D24 gene	-3.76	0.53	0.00
A_52_P297290	NM_011012	Oprl1	18389	opioid receptor-like 1	-3.95	0.53	0.00
A_52_P244908	AK031010	NA	NA	NA	-5.39	0.53	0.00
A_52_P559770	NM_009691	Aplp2	11804	amyloid beta (A4) precursor-like protein 2	-3.64	0.53	0.00
A_52_P58994	NM_008831	Phb	18673	prohibitin	-3.38	0.53	0.01
				nuclear factor of kappa light polypeptide gene enhancer			
A_51_P497402	NM_183091	Nfkbil2	72749	in B-cells inhibitor-like 2	-4.20	0.53	0.00
A_51_P464981	NM_025735	Map1lc3a	66734	microtubule-associated protein 1 light chain 3 alpha	-3.76	0.53	0.00
A_51_P237418	AK014752	4833422M	75768	RIKEN cDNA 4833422M21 gene	-3.81	0.53	0.00
A_52_P231292	AV373767	Cyp2j6	13110	cytochrome P450, family 2, subfamily j, polypeptide 6	-3.32	0.53	0.01
				UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase,			
				polypeptide 4			
A_51_P238383	NM_019804	B4galt4	56375	polypeptide 4	-4.58	0.53	0.00
A_51_P496001	NM_030066	Armcx1	78248	armadillo repeat containing, X-linked 1	-3.59	0.53	0.01
A_52_P180988	XM_901530	NA	NA	NA	-3.51	0.53	0.01
A_52_P98558	NM_173765	Aasdh	231326	aminoadipate-semialdehyde dehydrogenase	-2.78	0.53	0.04
A_51_P117777	NM_016658	Galt	14430	galactose-1-phosphate uridyl transferase	-3.77	0.53	0.00
A_52_P322181	CK020710	Adrb1	11554	adrenergic receptor, beta 1	-5.93	0.53	0.00
A_52_P564983	XM_204104	Fam131c	277743	family with sequence similarity 131, member C	-4.30	0.53	0.00
A_51_P299309	NM_024465	Abhd12	76192	abhydrolase domain containing 12	-4.44	0.53	0.00
A_51_P461578	NM_007997	Fdxr	14149	ferredoxin reductase	-2.72	0.53	0.05
A_51_P408329	AK089570	NA	NA	NA	-3.55	0.53	0.01
A_52_P299832	NM_018797	Plxnc1	54712	plexin C1	-3.72	0.53	0.00
A_51_P179919	NM_172759	Ces5	234673	carboxylesterase 5	-3.66	0.53	0.00

A_51_P293688	NM_026405	Rab32	67844	RAB32, member RAS oncogene family	-3.82	0.53	0.00
A_52_P412506	NM_008649	Mup5	17844	major urinary protein 5	-3.47	0.53	0.01
A_51_P419666	BC054536	Adam11	11488	a disintegrin and metallopeptidase domain 11	-2.83	0.53	0.03
A_51_P163958	NM_011467	Spr	20751	sepiapterin reductase	-4.12	0.53	0.00
A_51_P193130	NM_011288	Mrpl23	19935	mitochondrial ribosomal protein L23	-3.21	0.53	0.01
A_52_P49096	NM_001039	Rbms2	56516	RNA binding motif, single stranded interacting protein 2	-3.58	0.53	0.01
A_51_P246677	NM_020002	Rec8	56739	REC8 homolog (yeast)	-2.64	0.53	0.06
A_52_P534250	NM_178660	Rbms3	207181	RNA binding motif, single stranded interacting protein	-3.29	0.53	0.01
A_52_P499980	NM_146135	Pias3	229615	protein inhibitor of activated STAT 3	-3.13	0.53	0.01
A_52_P374274	AK046666	1110020G09	68646	RIKEN cDNA 1110020G09 gene	-2.74	0.53	0.05
A_51_P356335	NA	NA	NA	NA	-4.09	0.53	0.00
A_52_P394561	AK008004	Txnrd2	26462	thioredoxin reductase 2	-2.65	0.53	0.06
A_51_P513041	AK014639	Dnajc1	13418	Dnaj (Hsp40) homolog, subfamily C, member 1	-4.08	0.53	0.00
A_51_P279693	NM_009992	Cyp1a1	13076	cytochrome P450, family 1, subfamily a, polypeptide 1	-3.53	0.53	0.01
A_51_P433584	NM_138681	Bcas3	192197	breast carcinoma amplified sequence 3	-3.46	0.53	0.01
A_51_P248580	NM_007953	Esrra	26379	estrogen related receptor, alpha	-3.08	0.53	0.02
A_51_P516297	NM_019405	Cetn2	26370	centrin 2	-3.94	0.53	0.00
A_51_P397426	NM_013897	Timm8b	30057	translocase of inner mitochondrial membrane 8 homolog b (yeast)	-2.74	0.53	0.05
A_51_P345867	NM_011939	Hsf4	26386	heat shock transcription factor 4	-4.81	0.53	0.00
A_51_P104718	NM_001010	Gpr12	14738	G-protein coupled receptor 12	-5.32	0.53	0.00
A_52_P104562	NM_001037	Lipt1	623661	lipoyltransferase 1	-3.24	0.53	0.01
A_51_P157895	NM_007668	Cdk5	12568	cyclin-dependent kinase 5	-4.72	0.53	0.00
A_51_P384148	NM_013649	Ryk	20187	receptor-like tyrosine kinase	-5.17	0.53	0.00
A_51_P182358	NM_175665	Hist1h2bk	319184	histone cluster 1, H2bk	-2.85	0.53	0.03
A_52_P375970	BC075677	Fam38b	667742	family with sequence similarity 38, member B	-4.80	0.53	0.00
A_51_P136355	NM_025331	Gng11	66066	guanine nucleotide binding protein (G protein), gamma 11	-3.08	0.53	0.02
A_52_P617080	NM_025868	Tmx2	66958	thioredoxin-related transmembrane protein 2	-2.97	0.53	0.02
A_52_P666779	NM_013545	Ptpn6	15170	protein tyrosine phosphatase, non-receptor type 6	-4.08	0.53	0.00

A_51_P143431	NM_011055	Pde3b	18576	phosphodiesterase 3B, cGMP-inhibited	-2.88	0.53	0.03
A_52_P372046	NM_025584	Cd99	673094	CD99 antigen	-4.20	0.53	0.00
A_51_P140211	NM_030087	Ndufv3	78330	NADH dehydrogenase (ubiquinone) flavoprotein 3	-3.39	0.53	0.01
A_51_P174384	NM_028662	Slc35b2	73836	solute carrier family 35, member B2	-3.51	0.53	0.01
A_51_P478303	NM_010006	Cyp2d9	13105	cytochrome P450, family 2, subfamily d, polypeptide 9	-2.70	0.53	0.05
A_51_P113182	NM_013584	Lifr	16880	leukemia inhibitory factor receptor	-4.12	0.53	0.00
A_52_P29765	AK002667	Cmc1	67899	COX assembly mitochondrial protein homolog (S. cerevisiae)	-4.20	0.53	0.00
A_52_P636427	NM_021319	Pglyrp2	57757	peptidoglycan recognition protein 2	-2.91	0.53	0.03
A_52_P267824	NM_197999	2210023G05	72361	RIKEN cDNA 2210023G05 gene	-4.15	0.53	0.00
A_51_P287756	NM_009553	Zscan2	22691	zinc finger and SCAN domain containing 2	-4.23	0.53	0.00
A_51_P266964	NM_177732	Slc35d1	242585	solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1	-3.67	0.53	0.00
A_51_P268953	AK170682	Tmem64	100201	transmembrane protein 64	-3.05	0.53	0.02
A_52_P439975	AK010524	2410017117	675325	RIKEN cDNA 2410017117 gene	-3.35	0.53	0.01
A_51_P155073	NM_025399	Nudt14	66174	nudix (nucleoside diphosphate linked moiety X)-type motif 14	-5.88	0.52	0.00
A_51_P109050	NM_023824	Paqr4	76498	progesterin and adipoQ receptor family member IV	-4.89	0.52	0.00
A_52_P277104	NM_001033	Bank1	242248	B-cell scaffold protein with ankyrin repeats 1	-5.31	0.52	0.00
A_51_P351697	NM_025430	Mrpl35	66223	mitochondrial ribosomal protein L35	-5.31	0.52	0.00
A_51_P355243	AK028520	Pstk	214580	phosphoserine-tRNA kinase	-4.36	0.52	0.00
A_51_P310949	NM_008911	Ppox	19044	protoporphyrinogen oxidase	-2.79	0.52	0.04
A_51_P204898	AK005748	1700008A04	69351	RIKEN cDNA 1700008A04 gene	-4.39	0.52	0.00
A_52_P162775	NM_153176	Spg7	234847	spastic paraplegia 7 homolog (human)	-5.18	0.52	0.00
A_51_P405659	NM_175342	Cphx	105594	cytoplasmic polyadenylated homeobox	-3.34	0.52	0.01
A_52_P2224	AF213385	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-3.20	0.52	0.01
A_51_P300666	NM_153288	Npb	208990	neuropeptide B	-5.39	0.52	0.00
A_51_P407690	NM_175195	3110056O03	73218	RIKEN cDNA 3110056O03 gene	-3.36	0.52	0.01
A_51_P155755	AK077214	Plid6	194908	phospholipase D family, member 6	-3.68	0.52	0.00
A_52_P677963	NM_026951	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-3.45	0.52	0.01

A_51_P381670	NM_023066	Asph	65973	aspartate-beta-hydroxylase	-3.15	0.52	0.01
A_52_P304105	NA	NA	NA	NA	-4.51	0.52	0.00
A_51_P253697	NM_027186	Rpain	69723	RPA interacting protein	-4.90	0.52	0.00
A_51_P417725	NM_008841	Pik3r2	18709	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta)	-3.76	0.52	0.00
A_51_P466148	NM_007533	Bckdha	12039	branched chain ketoacid dehydrogenase E1, alpha polypeptide	-4.34	0.52	0.00
A_52_P472465	NM_175683	Dclre1c	227525	DNA cross-link repair 1C, PSO2 homolog (S. cerevisiae)	-4.24	0.52	0.00
A_51_P236738	NR_002839	Dlx6as	13397	distal-less homeobox 6, antisense	-3.28	0.52	0.01
A_52_P358093	BC094565	Fbxo10	269529	F-box protein 10	-3.79	0.52	0.00
A_52_P126162	NM_019880	Mtch1	56462	mitochondrial carrier homolog 1 (C. elegans)	-4.87	0.52	0.00
A_52_P363352	NM_172310	Tarsl2	272396	threonyl-tRNA synthetase-like 2	-3.67	0.52	0.00
A_51_P479618	NM_134006	Rdh5	19682	retinol dehydrogenase 5	-3.59	0.52	0.01
A_51_P401828	NM_008646	Cpamd8	17837	C3 and PZP-like, alpha-2-macroglobulin domain containing 8	-3.52	0.52	0.01
A_52_P238230	AF152371	Igk	243469	immunoglobulin kappa chain complex	-3.09	0.52	0.02
A_52_P619738	NM_026240	Gramd3	107022	GRAM domain containing 3	-2.70	0.52	0.05
A_52_P124320	AK122247	Khynyn	219094	KH and NYN domain containing	-2.96	0.52	0.02
A_51_P364185	XM_486062	NA	NA	NA	-3.51	0.52	0.01
A_51_P269549	NM_031254	Trem2	83433	triggering receptor expressed on myeloid cells 2	-3.71	0.52	0.00
A_51_P109939	NM_144897	Apoa1bp	246703	apolipoprotein A-I binding protein	-4.95	0.52	0.00
A_51_P374707	NM_173007	Tspan12	269831	tetraspanin 12	-4.18	0.52	0.00
A_51_P302588	NM_025313	Atp5d	66043	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit	-4.05	0.52	0.00
A_52_P68735	NM_001013	Shf	435684	Src homology 2 domain containing F sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	-4.45	0.52	0.00
A_51_P352245	NM_018744	Sema6a	20358	cytoplasmic domain, (semaphorin) 6A	-5.07	0.52	0.00
A_51_P254864	CB723139	NA	NA	NA	-3.44	0.52	0.01
A_51_P458242	NM_019880	Mtch1	56462	mitochondrial carrier homolog 1 (C. elegans)	-5.05	0.52	0.00
A_52_P258537	NM_144883	5430407P1	227545	RIKEN cDNA 5430407P10 gene	-2.85	0.52	0.03
A_51_P421804	NM_013896	Timm9	30056	translocase of inner mitochondrial membrane 9 homolog (yeast)	-2.88	0.52	0.03

A_51_P298514	NM_177345	Mapkap1	227743	mitogen-activated protein kinase associated protein 1	-2.91	0.52	0.03
A_51_P206037	NM_008817	Peg3	18616	paternally expressed 3	-3.43	0.52	0.01
A_52_P634447	BC095977	Hs1bp3	58240	HCLS1 binding protein 3	-3.03	0.52	0.02
A_51_P452323	NM_016701	Nes	18008	nestin	-6.49	0.52	0.00
A_52_P137829	AK129472	4930402E1	319518	RIKEN cDNA 4930402E16 gene	-3.81	0.52	0.00
A_51_P443857	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	-2.68	0.52	0.05
A_51_P246653	NM_020008	Clec7a	56644	C-type lectin domain family 7, member a	-2.83	0.52	0.04
A_51_P317941	NM_022032	Perp	64058	PERP, TP53 apoptosis effector	-4.49	0.52	0.00
A_51_P214985	NM_145492	Zfp521	225207	zinc finger protein 521	-3.46	0.52	0.01
A_51_P279323	NM_013902	Fkbp3	30795	FK506 binding protein 3	-3.25	0.52	0.01
A_52_P365660	NM_178725	Lrrc4c	241568	leucine rich repeat containing 4C	-4.11	0.52	0.00
A_51_P273679	NM_028772	Dmgdh	74129	dimethylglycine dehydrogenase precursor	-4.22	0.52	0.00
A_51_P511707	NM_025636	2310079N02	66566	RIKEN cDNA 2310079N02 gene	-3.16	0.52	0.01
A_51_P494481	NM_172468	Snx30	209131	sorting nexin family member 30	-3.34	0.52	0.01
A_51_P441837	NM_026837	Tmem53	68777	transmembrane protein 53	-3.13	0.52	0.01
A_51_P292276	NM_021604	Agrn	11603	agrin	-3.85	0.52	0.00
				SWI/SNF related, matrix associated, actin dependent			
A_51_P423880	NM_025891	Smarcd3	66993	regulator of chromatin, subfamily d, member 3	-3.24	0.52	0.01
A_51_P435198	NM_009968	Cryz	12972	crystallin, zeta	-4.54	0.52	0.00
A_51_P179789	NM_145437	Cd300ld	217305	CD300 molecule-like family member d	-3.39	0.52	0.01
A_52_P231079	NM_144521	Snap47	67826	synaptosomal-associated protein, 47	-2.74	0.52	0.05
A_52_P390448	NA	NA	NA	NA	-3.37	0.52	0.01
A_52_P289835	NM_183186	Foxn3	71375	forkhead box N3	-3.03	0.52	0.02
A_52_P150236	NM_018816	Apom	55938	apolipoprotein M	-3.08	0.52	0.02
A_52_P52703	BC031117	Sh3d19	27059	SH3 domain protein D19	-2.81	0.52	0.04
A_52_P436643	NM_018830	Asah2	54447	N-acylsphingosine amidohydrolase 2	-3.59	0.52	0.01
A_51_P439348	NM_028262	Setd3	52690	SET domain containing 3	-4.07	0.52	0.00
				potassium voltage-gated channel, shaker-related			
A_51_P149872	NM_010596	Kcna7	16495	subfamily, member 7	-2.86	0.52	0.03
A_52_P134023	NM_153100	Rtp3	235636	receptor transporter protein 3	-2.68	0.52	0.05
A_51_P410451	NM_028006	Tube1	71924	epsilon-tubulin 1	-6.51	0.52	0.00

A_52_P507305	NM_026347	lah1	67732	isoamyl acetate-hydrolyzing esterase 1 homolog (<i>S. cerevisiae</i>)	-4.52	0.52	0.00
A_51_P236464	NM_025633	Metapl1	66559	methionine aminopeptidase-like 1	-3.69	0.52	0.00
A_52_P463143	NM_016742	Cdc37	12539	cell division cycle 37 homolog (<i>S. cerevisiae</i>)	-3.05	0.52	0.02
A_51_P331028	NA	NA	NA	NA	-3.37	0.52	0.01
A_51_P109742	NM_028347	Neil1	72774	nei endonuclease VIII-like 1 (<i>E. coli</i>)	-4.47	0.52	0.00
A_52_P190527	BC019948	Gpatch8	237943	G patch domain containing 8	-2.82	0.52	0.04
A_52_P566681	NM_153581	Gpm6a	234267	glycoprotein m6a	-3.47	0.52	0.01
A_52_P342015	NA	NA	NA	NA	-4.44	0.52	0.00
A_51_P280519	NM_025402	111003110	66179	RIKEN cDNA 1110031102 gene	-3.41	0.52	0.01
A_51_P397834	NM_010072	Dpm1	13480	dolichol-phosphate (beta-D) mannosyltransferase 1	-3.69	0.52	0.00
A_52_P608132	NM_001024	Snx32	225861	sorting nexin 32	-3.85	0.52	0.00
A_52_P547478	NM_025300	Mrpl15	27395	mitochondrial ribosomal protein L15	-3.12	0.52	0.01
A_52_P193060	NM_013711	Txnrd2	26462	thioredoxin reductase 2	-4.04	0.52	0.00
A_51_P372456	NM_026621	NA	NA	NA	-4.50	0.52	0.00
A_51_P314323	NM_030083	Lsmd1	78304	LSM domain containing 1	-4.00	0.52	0.00
A_51_P511745	NM_025757	4933439F1	66771	RIKEN cDNA 4933439F18 gene	-4.21	0.52	0.00
A_51_P124568	NM_008621	Mpp1	17524	membrane protein, palmitoylated latent transforming growth factor beta binding protein 2	-2.99	0.52	0.02
A_51_P257457	NM_013589	Ltbp2	16997	2	-3.05	0.52	0.02
A_51_P160787	NM_007491	Art5	11875	ADP-ribosyltransferase 5	-5.05	0.52	0.00
A_51_P423143	NM_176828	C030006K1	223665	RIKEN cDNA C030006K11 gene	-2.92	0.52	0.03
A_52_P575178	NA	NA	NA	NA	-3.65	0.52	0.00
A_51_P472879	NM_008555	Masp1	17174	mannan-binding lectin serine peptidase 1 succinate-Coenzyme A ligase, ADP-forming, beta subunit	-3.86	0.52	0.00
A_51_P111554	NM_011506	Sucla2	20916	subunit	-3.71	0.52	0.00
A_51_P262616	BC072607	Tbc1d30	74694	TBC1 domain family, member 30	-4.30	0.52	0.00
A_52_P666930	NM_178060	Thra	21833	thyroid hormone receptor alpha	-5.63	0.52	0.00
A_51_P393668	NM_181540	Tm6sf2	107770	transmembrane 6 superfamily member 2 succinate dehydrogenase complex, subunit B, iron sulfur (lp)	-3.66	0.52	0.00
A_51_P234853	NM_023374	Sdhb	67680	(lp)	-4.36	0.52	0.00
A_52_P615312	NM_173757	Mrps27	218506	mitochondrial ribosomal protein S27	-4.01	0.52	0.00
A_52_P525574	NM_010642	Klk1b21	16616	kallikrein 1-related peptidase b21	-4.80	0.52	0.00

A_51_P344407	NM_013543	H2-Ke6	14979	H2-K region expressed gene 6	-4.92	0.52	0.00
A_52_P225466	BC046763	Tmem219	68742	transmembrane protein 219	-4.83	0.51	0.00
A_52_P635271	NM_201646	Btbd6	399566	BTB (POZ) domain containing 6	-4.30	0.51	0.00
A_51_P254181	NM_029629	Fahd2a	68126	fumarylacetoacetate hydrolase domain containing 2A	-4.94	0.51	0.00
A_51_P263471	NM_020001	Clec4n	56620	C-type lectin domain family 4, member n solute carrier family 27 (fatty acid transporter), member	-3.97	0.51	0.00
A_51_P289742	NM_009512	Slc27a5	26459	5	-3.29	0.51	0.01
A_51_P393634	NM_013759	Sepx1	27361	selenoprotein X 1	-4.15	0.51	0.00
A_51_P242345	NM_146193	Btbd1	83962	BTB (POZ) domain containing 1	-4.60	0.51	0.00
A_52_P276748	NM_026102	Daam1	208846	dishevelled associated activator of morphogenesis 1	-3.42	0.51	0.01
A_52_P109941	NM_007575	Ciita	12265	class II transactivator	-3.89	0.51	0.00
A_51_P103397	NM_011708	Vwf	22371	Von Willebrand factor homolog	-3.39	0.51	0.01
A_52_P322301	NM_176838	Esrp2	77411	epithelial splicing regulatory protein 2	-2.92	0.51	0.03
A_52_P909310	NM_011694	Vdac1	22333	voltage-dependent anion channel 1	-4.96	0.51	0.00
A_51_P425749	NM_016742	Cdc37	12539	cell division cycle 37 homolog (<i>S. cerevisiae</i>)	-4.48	0.51	0.00
A_51_P104727	NM_153078	Ehbp1	216565	EH domain binding protein 1 NADH dehydrogenase (ubiquinone) 1, alpha/beta	-3.80	0.51	0.00
A_51_P208801	NM_028177	Ndufab1	70316	subcomplex, 1	-4.04	0.51	0.00
A_51_P306109	AK019683	NA	NA	NA	-4.59	0.51	0.00
A_51_P298570	NM_013506	Eif4a2	13682	eukaryotic translation initiation factor 4A2	-2.62	0.51	0.07
A_52_P358097	BC094565	Fbxo10	269529	F-box protein 10	-2.65	0.51	0.06
A_52_P366116	NM_028233	Lrpprc	72416	leucine-rich PPR-motif containing suppressor of defective silencing 3 homolog (<i>S.</i>	-3.07	0.51	0.02
A_52_P553171	NM_178622	Suds3	71954	<i>cerevisiae</i>)	-5.85	0.51	0.00
A_51_P359411	NM_008141	Gnat2	14686	guanine nucleotide binding protein, alpha transducing 2	-2.61	0.51	0.07
A_52_P71135	NM_001079	Hnrnp3	432467	heterogeneous nuclear ribonucleoprotein H3	-3.37	0.51	0.01
A_51_P131084	NM_145615	Etfa	110842	electron transferring flavoprotein, alpha polypeptide	-5.00	0.51	0.00
A_51_P272283	NM_181588	Cmb1	69574	carboxymethylenebutenolidase-like (<i>Pseudomonas</i>)	-2.87	0.51	0.03
A_52_P539540	NM_028262	Setd3	52690	SET domain containing 3	-3.67	0.51	0.00

				nudix (nucleoside diphosphate linked moiety X)-type			
A_51_P211325	NM_025539	Nudt2	66401	motif 2	-3.33	0.51	0.01
A_52_P53698	NM_011489	Stat5b	20851	signal transducer and activator of transcription 5B	-3.83	0.51	0.00
A_52_P208613	NM_175027	Fanclb	237211	Fanconi anemia, complementation group B	-4.97	0.51	0.00
A_51_P398723	NM_010228	Flt1	14254	FMS-like tyrosine kinase 1	-2.72	0.51	0.05
A_52_P391623	NM_028777	Sec14l1	74136	SEC14-like 1 (<i>S. cerevisiae</i>)	-4.00	0.51	0.00
A_52_P193194	NM_001001	Slc35d2	70484	solute carrier family 35, member D2	-4.28	0.51	0.00
A_51_P290399	NM_145489	AI661453	224833	expressed sequence AI661453	-3.62	0.51	0.00
A_51_P471502	NM_028049	Fbxo22	71999	F-box protein 22	-4.46	0.51	0.00
A_52_P244803	XM_0010017	D630033O	235302	RIKEN cDNA D630033O11 gene	-4.46	0.51	0.00
A_52_P357265	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	-2.74	0.51	0.05
A_51_P416059	NM_153550	Dirc2	224132	disrupted in renal carcinoma 2 (human)	-2.90	0.51	0.03
A_51_P393193	NM_144511	Gm4738	13909	predicted gene 4738	-6.30	0.51	0.00
A_51_P450812	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-3.27	0.51	0.01
A_51_P401717	NM_145421	Fam108a	216169	family with sequence similarity 108, member A	-5.53	0.51	0.00
A_51_P163624	AK044029	Chadl	214685	chondroadherin-like	-3.88	0.51	0.00
A_52_P188172	NM_011523	Synj2	20975	synaptojanin 2	-2.86	0.51	0.03
A_51_P368210	NM_145981	Phyhip	105653	phytanoyl-CoA hydroxylase interacting protein	-3.89	0.51	0.00
A_52_P36191	NA	NA	NA	NA	-3.22	0.51	0.01
A_51_P251552	NM_025864	Tmem206	66950	transmembrane protein 206	-4.09	0.51	0.00
A_51_P187507	NM_028037	Acad10	71985	acyl-Coenzyme A dehydrogenase family, member 10	-3.04	0.51	0.02
A_51_P486217	NM_175638	Wnk4	69847	WNK lysine deficient protein kinase 4	-4.04	0.51	0.00
A_52_P42380	NM_201359	Tmem106c	380967	transmembrane protein 106C	-3.29	0.51	0.01
A_51_P411996	NM_023483	1110032AC	68721	RIKEN cDNA 1110032A03 gene	-4.27	0.51	0.00
A_51_P206251	AK004088	Ahcy1	229709	S-adenosylhomocysteine hydrolase-like 1	-3.13	0.51	0.01
A_51_P469261	NA	NA	NA	NA	-6.22	0.51	0.00
A_52_P427240	XM_128374	NA	NA	NA	-2.98	0.51	0.02
A_51_P250459	AK013063	Mettl5	75422	methyltransferase like 5	-4.46	0.51	0.00
A_52_P250803	AK164977	Arl5b	75869	ADP-ribosylation factor-like 5B	-3.89	0.51	0.00
A_51_P495012	NM_007622	Cbx1	12412	chromobox homolog 1 (<i>Drosophila</i> HP1 beta)	-3.05	0.51	0.02
A_52_P316405	NA	NA	NA	NA	-4.99	0.51	0.00
A_51_P505337	AK002846	Preli1	66494	PRELI domain containing 1	-5.37	0.51	0.00

A_51_P314652	NM_177130	Glt28d2	320302	glycosyltransferase 28 domain containing 2	-3.54	0.51	0.01
A_52_P680735	NM_012019	Aifm1	26926	apoptosis-inducing factor, mitochondrion-associated 1	-3.84	0.51	0.00
A_51_P116137	NM_008377	Lrig1	16206	leucine-rich repeats and immunoglobulin-like domains 1	-5.05	0.51	0.00
A_52_P422557	XM_131700	NA	NA	NA	-3.38	0.51	0.01
A_51_P476357	AV024949	281048210	67243	RIKEN cDNA 2810482107 gene	-4.08	0.51	0.00
A_51_P260169	NM_010360	Gstm5	14866	glutathione S-transferase, mu 5	-5.09	0.51	0.00
A_51_P168792	NM_001033	Xylb	102448	xylulokinase homolog (H. influenzae)	-4.13	0.51	0.00
A_52_P297113	NM_013584	Lifr	16880	leukemia inhibitory factor receptor	-4.42	0.51	0.00
A_51_P250465	BC027547	Mettl5	75422	methyltransferase like 5	-4.46	0.51	0.00
A_52_P796069	NA	NA	NA	NA	-3.87	0.51	0.00
A_52_P377941	NM_153179	Pkhd1	241035	polycystic kidney and hepatic disease 1	-3.06	0.51	0.02
A_52_P235278	NM_153556	Pms1	227099	postmeiotic segregation increased 1 (S. cerevisiae)	-4.23	0.51	0.00
A_51_P474151	NM_177746	Awat2	245532	acyl-CoA wax alcohol acyltransferase 2	-6.04	0.51	0.00
A_51_P484027	NM_134158	AF251705	140497	cDNA sequence AF251705	-3.84	0.51	0.00
A_52_P150525	NA	NA	NA	NA	-3.24	0.51	0.01
A_51_P227785	AK033046	Klhl3	627648	kelch-like 3 (Drosophila)	-5.36	0.51	0.00
A_51_P318804	NM_029031	Shpk	74637	sedoheptulokinase	-3.06	0.51	0.02
A_51_P237915	NM_146258	Stard13	243362	StAR-related lipid transfer (START) domain containing 13	-4.70	0.51	0.00
A_51_P243194	NM_178612	Cnpy4	66455	canopy 4 homolog (zebrafish)	-3.31	0.51	0.01
A_51_P106373	NM_025321	Sdhc	66052	succinate dehydrogenase complex, subunit C, integral membrane protein	-4.40	0.51	0.00
A_51_P375207	AK083150	NA	NA	NA	-4.81	0.51	0.00
A_52_P465386	NA	NA	NA	NA	-4.41	0.51	0.00
A_52_P480064	NM_001078	Tmem134	66990	transmembrane protein 134	-4.70	0.51	0.00
A_51_P246339	NM_028128	Rfc5	72151	replication factor C (activator 1) 5	-4.14	0.51	0.00
A_51_P493270	NM_029963	Mrps5	77721	mitochondrial ribosomal protein S5	-4.17	0.51	0.00
A_52_P311566	NM_016961	Mapk9	26420	mitogen-activated protein kinase 9	-5.04	0.51	0.00
A_52_P191210	AK028720	9530091C03	320440	RIKEN cDNA 9530091C08 gene	-5.01	0.51	0.00
A_51_P155152	NM_020332	Ank	11732	progressive ankylosis	-3.39	0.51	0.01
A_51_P381321	NM_199080	Ddx17	67040	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-3.14	0.51	0.01

A_52_P523330	NM_027215	Tmem147	69804	transmembrane protein 147	-3.03	0.51	0.02
A_52_P522990	BC039287	Trub1	72133	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-3.64	0.51	0.00
A_51_P274163	NM_029556	Clybl	69634	citrate lyase beta like	-4.17	0.51	0.00
A_52_P106081	NM_031843	Dpp7	83768	dipeptidylpeptidase 7	-5.80	0.51	0.00
A_52_P594355	NM_028162	Tbc1d5	72238	TBC1 domain family, member 5	-2.70	0.51	0.05
A_51_P155085	NM_172477	Dennd2a	209773	DENN/MADD domain containing 2A	-3.61	0.51	0.01
A_51_P505156	NM_138306	Dgkz	104418	diacylglycerol kinase zeta	-5.08	0.51	0.00
A_51_P371876	NM_027230	Zmynd8	228880	zinc finger, MYND-type containing 8	-2.78	0.51	0.04
A_51_P340947	NM_027905	1300018J1	223776	RIKEN cDNA 1300018J18 gene	-4.51	0.51	0.00
A_51_P307325	NM_009030	Rbbp4	19646	retinoblastoma binding protein 4	-5.14	0.51	0.00
A_51_P158061	NM_026378	Dalrd3	67789	DALR anticodon binding domain containing 3	-6.11	0.51	0.00
A_52_P652513	NM_027400	Lman1	70361	lectin, mannose-binding, 1	-3.60	0.51	0.01
A_52_P24631	NM_018745	Azin1	54375	antizyme inhibitor 1	-3.39	0.51	0.01
A_51_P311137	NM_011360	Sgce	20392	sarcoglycan, epsilon	-3.78	0.50	0.00
A_52_P130952	NM_145434	Nr1d1	217166	nuclear receptor subfamily 1, group D, member 1	-3.06	0.50	0.02
A_51_P260098	U18992	Gcdh	270076	glutaryl-Coenzyme A dehydrogenase	-5.31	0.50	0.00
A_52_P356841	NM_001004	5730494M	66648	RIKEN cDNA 5730494M16 gene	-5.19	0.50	0.00
A_51_P114826	NM_019707	Cdh13	12554	cadherin 13	-4.92	0.50	0.00
A_51_P104128	AK003452	Oaz1	18245	ornithine decarboxylase antizyme 1	-4.20	0.50	0.00
A_51_P127456	BC070402	Lrrc68	232947	leucine rich repeat containing 68	-5.15	0.50	0.00
A_51_P116395	NM_145428	Dhrs7b	216820	dehydrogenase/reductase (SDR family) member 7B	-2.87	0.50	0.03
A_51_P450764	AK037367	AU042671	269700	expressed sequence AU042671	-3.80	0.50	0.00
A_51_P359919	NM_177445	Dars	226414	aspartyl-tRNA synthetase	-2.69	0.50	0.05
A_51_P225853	NM_008786	Pcmt1	18537	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	-4.05	0.50	0.00
A_52_P471143	AK151452	Pusl1	433813	pseudouridylate synthase-like 1	-3.84	0.50	0.00
A_52_P435670	NM_213733	Npepl1	228961	aminopeptidase-like 1	-3.60	0.50	0.01
A_51_P116940	NM_007940	Ephx2	13850	epoxide hydrolase 2, cytoplasmic	-4.36	0.50	0.00
A_52_P68755	DV040849	NA	NA	NA	-4.93	0.50	0.00
A_52_P385536	AK049305	Ddx58	230073	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	-4.27	0.50	0.00
A_51_P308362	NM_201410	Ugt1a6b	394435	UDP glucuronosyltransferase 1 family, polypeptide A6B	-4.85	0.50	0.00

A_52_P318447	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-3.48	0.50	0.01
A_51_P185141	NM_181072	Myo1e	71602	myosin IE	-3.39	0.50	0.01
A_51_P330090	NM_180662	Trappc9	76510	trafficking protein particle complex 9	-3.47	0.50	0.01
A_51_P364671	NM_029272	Ndufs7	75406	NADH dehydrogenase (ubiquinone) Fe-S protein 7	-3.62	0.50	0.00
A_51_P189870	AK129469	Ears2	67417	glutamyl-tRNA synthetase 2 (mitochondrial)(putative)	-3.72	0.50	0.00
A_51_P321405	NM_026714	Ccdc163	68394	coiled-coil domain containing 163	-5.54	0.50	0.00
A_51_P296796	NM_027289	Nt5dc2	70021	5'-nucleotidase domain containing 2	-4.49	0.50	0.00
A_51_P101573	NM_029091	Klc4	74764	kinesin light chain 4	-5.72	0.50	0.00
A_52_P437662	NM_013884	Cspg5	29873	chondroitin sulfate proteoglycan 5	-2.69	0.50	0.05
A_52_P37890	AK088541	Ankrd28	105522	ankyrin repeat domain 28	-3.15	0.50	0.01
A_52_P215418	NM_027456	Armc9	78795	armadillo repeat containing 9	-4.81	0.50	0.00
A_52_P559467	NA	NA	NA	NA	-3.20	0.50	0.01
A_52_P73475	NM_175511	Fam78a	241303	family with sequence similarity 78, member A	-4.40	0.50	0.00
A_52_P274555	NM_172926	Snx14	244962	sorting nexin 14	-2.73	0.50	0.05
A_51_P516637	NM_007555	Bmp5	12160	bone morphogenetic protein 5	-3.85	0.50	0.00
A_51_P289407	BC019404	Spg11	214585	spastic paraplegia 11	-3.45	0.50	0.01
A_51_P376258	NM_008133	Glud1	14661	glutamate dehydrogenase 1	-3.14	0.50	0.01
A_51_P199367	NM_016903	Esd	13885	esterase D/formylglutathione hydrolase	-6.12	0.50	0.00
A_51_P396003	NM_026384	Dgat2	67800	diacylglycerol O-acyltransferase 2	-4.30	0.50	0.00
A_52_P311129	NM_025911	Ccdc91	67015	coiled-coil domain containing 91	-2.88	0.50	0.03
A_51_P511680	NM_001033	Ttc38	239570	tetratricopeptide repeat domain 38	-2.78	0.50	0.04
A_51_P103222	NM_028064	Slc39a4	72027	solute carrier family 39 (zinc transporter), member 4	-4.45	0.50	0.00
A_52_P213909	NM_008220	Hbb-b1	15129	hemoglobin, beta adult major chain	-2.66	0.50	0.06
A_52_P479249	NM_009382	Thy1	21838	thymus cell antigen 1, theta	-2.89	0.50	0.03
A_51_P139745	NM_153151	Acat3	224530	acetyl-Coenzyme A acetyltransferase 3	-3.88	0.50	0.00
A_52_P199614	AK155186	Wdfy4	545030	WD repeat and FYVE domain containing 4	-4.44	0.50	0.00
A_52_P553443	AK083983	D730040F1242474		RIKEN cDNA D730040F13 gene	-4.13	0.50	0.00
A_52_P101238	AK083460	B230354K1320063		RIKEN cDNA B230354K17 gene	-2.92	0.50	0.03
A_52_P124083	AK087552	A530082C1320541		RIKEN cDNA A530082C11 gene	-4.59	0.50	0.00

A_51_P305843	NM_025844	Chordc1	66917	cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1	-3.36	0.50	0.01
A_51_P124133	NM_010006	Cyp2d9	13105	cytochrome P450, family 2, subfamily d, polypeptide 9	-3.70	0.50	0.00
A_51_P331507	NM_173011	ldh2	269951	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-3.91	0.50	0.00
A_51_P432659	NM_008822	Pex7	18634	peroxisomal biogenesis factor 7	-3.53	0.50	0.01
A_51_P432851	NM_177564	Dhrs11	192970	dehydrogenase/reductase (SDR family) member 11	-2.82	0.50	0.04
A_51_P399873	NM_001033	Acmsd	266645	amino carboxymuconate semialdehyde decarboxylase	-4.27	0.50	0.00
A_52_P36928	NM_194269	Morn2	378462	MORN repeat containing 2	-4.57	0.50	0.00
A_51_P177897	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-3.39	0.50	0.01
A_52_P256421	NA	NA	NA	NA	-6.31	0.50	0.00
A_51_P109144	NM_025768	Grtp1	66790	GH regulated TBC protein 1	-4.28	0.50	0.00
A_51_P151433	NM_026554	Ncbp2	68092	nuclear cap binding protein subunit 2	-3.44	0.50	0.01
A_51_P393999	NM_031375	Ngrn	83485	neugrin, neurite outgrowth associated	-2.76	0.50	0.05
A_51_P211491	NM_010368	Gusb	110006	glucuronidase, beta	-3.41	0.50	0.01
A_51_P366138	NM_008587	Mertk	17289	c-mer proto-oncogene tyrosine kinase	-2.85	0.50	0.03
A_51_P452875	NA	NA	NA	NA	-2.77	0.50	0.04
A_52_P368945	AK134567	Skap2	54353	src family associated phosphoprotein 2	-3.31	0.50	0.01
A_51_P121206	NM_015753	Zeb2	24136	zinc finger E-box binding homeobox 2	-2.90	0.50	0.03
A_51_P211998	NM_028943	Sgms2	74442	sphingomyelin synthase 2	-2.61	0.50	0.07
A_52_P603290	AB015858	Mycbp	56309	c-myc binding protein	-5.49	0.50	0.00
A_51_P507942	NM_029097	Atp13a2	74772	ATPase type 13A2	-3.95	0.50	0.00
A_51_P104006	NM_011174	Prh1	19131	proline rich protein HaellI subfamily 1	-4.43	0.50	0.00
A_52_P611798	NM_007840	Ddx5	13207	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	-4.41	0.50	0.00
A_52_P125485	NM_177809	AU042651	328258	expressed sequence AU042651	-3.15	0.50	0.01
A_51_P136022	NM_023585	Ube2v2	70620	ubiquitin-conjugating enzyme E2 variant 2	-3.05	0.50	0.02
A_51_P211880	NM_030026	Mccc2	78038	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	-3.22	0.50	0.01
A_52_P99082	NA	NA	NA	NA	-3.39	0.50	0.01
A_51_P169867	NM_011894	Sh3bp5	24056	SH3-domain binding protein 5 (BTK-associated)	-4.31	0.50	0.00
A_52_P323044	NM_010439	Hmgb1	15289	high mobility group box 1	-5.03	0.50	0.00

A_52_P224413	XR_004220	NA	NA	NA	-2.91	0.50	0.03
A_52_P406507	NM_027877	Mus81	71711	MUS81 endonuclease homolog (yeast)	-3.53	0.50	0.01
A_52_P328621	NA	NA	NA	NA	-3.41	0.50	0.01
A_52_P167735	NA	NA	NA	NA	-3.18	0.50	0.01
A_51_P367136	BC029185	Foxn3	71375	forkhead box N3	-4.54	0.50	0.00
A_52_P129443	NM_145425	AV249152	216560	expressed sequence AV249152	-3.72	0.50	0.00
A_51_P165984	NM_007517	Aup1	11993	ancient ubiquitous protein 1	-4.89	0.50	0.00
A_52_P487483	NM_011822	Pigq	14755	phosphatidylinositol glycan anchor biosynthesis, class Q	-2.95	0.50	0.02
A_51_P408363	NM_008823	Cfp	18636	complement factor properdin	-3.34	0.50	0.01
A_52_P562676	NM_013873	Sult4a1	29859	sulfotransferase family 4A, member 1	-3.60	0.50	0.01
A_52_P483280	NM_010685	Lamp2	16784	lysosomal-associated membrane protein 2	-4.09	0.50	0.00
A_51_P348548	NM_012029	Ecsit	26940	ECSIT homolog (Drosophila)	-3.04	0.50	0.02
A_52_P625111	XM_923330	NA	NA	NA	-3.33	0.50	0.01
A_52_P54325	NM_172600	6720456H2	218989	RIKEN cDNA 6720456H20 gene	-2.73	0.50	0.05
A_51_P350048	NM_010361	Gstt2	14872	glutathione S-transferase, theta 2	-3.94	0.50	0.00
A_52_P59457	NM_018879	Tusc4	56032	tumor suppressor candidate 4	-3.01	0.50	0.02
A_52_P573970	BC024096	Pex11c	69129	peroxisomal biogenesis factor 11 gamma leucine-rich repeat, immunoglobulin-like and	-3.78	0.50	0.00
A_52_P175199	NM_173418	Lrit2	239038	transmembrane domains 2	-4.67	0.50	0.00
A_51_P441970	NM_175162	Stox2	71069	storkhead box 2	-3.83	0.50	0.00
A_51_P506045	NM_176073	Pgcp	54381	plasma glutamate carboxypeptidase	-4.09	0.50	0.00
A_51_P366960	NM_016763	Hsd17b10	15108	hydroxysteroid (17-beta) dehydrogenase 10	-4.57	0.50	0.00
A_52_P796840	NM_001025	BC026782	545366	cDNA sequence BC026782	-3.70	0.50	0.00
A_51_P472488	NM_019836	2610024G1	156412	RIKEN cDNA 2610024G14 gene acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3- oxoacyl-Coenzyme A thiolase)	-4.13	0.50	0.00
A_51_P125260	NM_177470	Acaa2	52538	oxoacyl-Coenzyme A thiolase)	-3.86	0.50	0.00
A_51_P408382	NM_001005	Itgb4	192897	integrin beta 4 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 1	-4.12	0.50	0.00
A_51_P176854	NM_027175	Ndufaf1	69702	assembly factor 1	-5.10	0.50	0.00
A_52_P211063	NM_025415	Cks2	66197	CDC28 protein kinase regulatory subunit 2	-2.70	0.50	0.05
A_51_P134551	NM_026452	Coq9	67914	coenzyme Q9 homolog (yeast)	-3.98	0.50	0.00
A_52_P335984	NM_001079	Syne1	64009	synaptic nuclear envelope 1	-3.62	0.49	0.00
A_51_P120239	NM_008986	Ptrf	19285	polymerase I and transcript release factor	-3.85	0.49	0.00

A_51_P312348	AK002434	Krt7	110310	keratin 7	-3.11	0.49	0.01
A_52_P534235	NM_011481	Srms	20811	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites	-5.13	0.49	0.00
A_52_P395528	NA	NA	NA	NA	-2.75	0.49	0.05
A_51_P338563	AK017918	Slc36a1	215335	solute carrier family 36 (proton/amino acid symporter), member 1	-3.10	0.49	0.02
A_52_P120740	BC066053	0610030E2	68364	RIKEN cDNA 0610030E20 gene	-3.57	0.49	0.01
A_51_P210603	NM_130882	Cyp4f13	170716	cytochrome P450, family 4, subfamily f, polypeptide 13	-5.95	0.49	0.00
A_52_P582767	NM_024436	Rab22a	19334	RAB22A, member RAS oncogene family	-3.64	0.49	0.00
A_51_P200610	NM_198886	Zbtb12	193736	zinc finger and BTB domain containing 12	-2.78	0.49	0.04
A_51_P176912	NM_139145	Hlcs	110948	holocarboxylase synthetase (biotin- [propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)	-3.20	0.49	0.01
A_51_P203138	NM_007989	Foxh1	14106	forkhead box H1	-3.25	0.49	0.01
A_51_P162313	NM_183099	Tssk5	73542	testis-specific serine kinase 5	-4.78	0.49	0.00
A_52_P18922	NM_026522	Chid1	68038	chitinase domain containing 1	-4.55	0.49	0.00
A_51_P329332	NM_054087	Slc19a2	116914	solute carrier family 19 (thiamine transporter), member 2	-3.53	0.49	0.01
A_52_P440599	NM_023622	Rgl3	71746	ral guanine nucleotide dissociation stimulator-like 3	-2.78	0.49	0.04
A_51_P188704	AK170263	Unc13a	382018	unc-13 homolog A (C. elegans)	-4.28	0.49	0.00
A_51_P509012	NM_078479	Mrps21	66292	mitochondrial ribosomal protein S21	-5.06	0.49	0.00
A_51_P517215	NM_016719	Grb14	50915	growth factor receptor bound protein 14	-2.90	0.49	0.03
A_52_P257502	NM_010517	Igfbp4	16010	insulin-like growth factor binding protein 4	-3.47	0.49	0.01
A_51_P155313	NM_010362	Gsto1	14873	glutathione S-transferase omega 1	-3.80	0.49	0.00
A_52_P599014	NM_207682	Kif1b	16561	kinesin family member 1B	-3.53	0.49	0.01
A_52_P311597	NM_144852	Slc7a4	224022	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	-3.76	0.49	0.00
A_51_P248999	NM_054040	Tulp4	68842	tubby like protein 4	-2.87	0.49	0.03
A_51_P125009	NM_021495	Pvrl3	58998	poliovirus receptor-related 3	-5.75	0.49	0.00
A_52_P517063	NM_053122	Immp2l	93757	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae)	-3.45	0.49	0.01
A_52_P24076	NM_001040	Mtmt7	54384	myotubularin related protein 7	-4.65	0.49	0.00

A_51_P130110	NM_130884	ldh3b	170718	isocitrate dehydrogenase 3 (NAD+) beta	-4.34	0.49	0.00
A_52_P282858	NM_207213	Snx25	102141	sorting nexin 25	-4.27	0.49	0.00
A_52_P407796	NM_008618	Mdh1	17449	malate dehydrogenase 1, NAD (soluble)	-3.71	0.49	0.00
A_52_P364970	NM_181391	Chchd7	66433	coiled-coil-helix-coiled-coil-helix domain containing 7	-3.79	0.49	0.00
A_52_P488092	AK147510	Etl4	208618	enhancer trap locus 4	-3.50	0.49	0.01
A_52_P35164	NM_001024	Trp53i13	216964	transformation related protein 53 inducible protein 13	-5.65	0.49	0.00
A_52_P81210	NM_007868	Dmd	13405	dystrophin, muscular dystrophy	-2.99	0.49	0.02
A_52_P453778	XM_620640	NA	NA	NA	-4.60	0.49	0.00
A_52_P458524	XR_002277	NA	NA	NA	-7.09	0.49	0.00
A_51_P150044	NM_009097	Rps6ka1	20111	ribosomal protein S6 kinase polypeptide 1	-3.66	0.49	0.00
A_51_P392134	NM_080560	Ube2n	93765	ubiquitin-conjugating enzyme E2N	-4.54	0.49	0.00
A_52_P269003	NM_008684	Neo1	18007	neogenin	-4.46	0.49	0.00
A_51_P293729	NM_054102	Ivns1abp	117198	influenza virus NS1A binding protein	-3.56	0.49	0.01
A_52_P426503	NM_145919	Abhd14a	68644	abhydrolase domain containing 14A	-4.30	0.49	0.00
A_52_P181733	NM_153560	Fam102a	98952	family with sequence similarity 102, member A	-2.78	0.49	0.04
A_52_P74653	NM_001039	Cnm3	94218	cyclin M3	-4.86	0.49	0.00
A_51_P329370	NM_030093	Snrnp25	78372	small nuclear ribonucleoprotein 25 (U11/U12)	-3.68	0.49	0.00
A_51_P208931	NM_145974	C330016O1	212706	RIKEN cDNA C330016O10 gene	-3.69	0.49	0.00
A_52_P72654	NM_011399	Slc25a17	20524	solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein), member 17	-3.56	0.49	0.01
A_51_P283151	NM_028995	Nipal3	74552	NIPA-like domain containing 3	-2.85	0.49	0.03
A_51_P108489	NM_008187	Gtl3	14894	gene trap locus 3	-3.96	0.49	0.00
A_52_P643375	BC075715	Dmpk	13400	dystrophia myotonica-protein kinase	-3.61	0.49	0.01
A_51_P265106	NM_145614	Dlat	235339	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-4.57	0.49	0.00
A_51_P146432	NM_175392	Fam73b	108958	family with sequence similarity 73, member B	-2.62	0.49	0.07
A_51_P138972	NM_013929	Siva1	30954	SIVA1, apoptosis-inducing factor	-2.92	0.49	0.03
A_51_P220723	NM_026592	B230118H0	68170	RIKEN cDNA B230118H07 gene	-3.06	0.49	0.02
A_51_P517075	NM_011340	Serpinf1	20317	serine (or cysteine) peptidase inhibitor, clade F, member 1	-5.54	0.49	0.00
A_52_P59264	NM_026408	Sncaip	67847	synuclein, alpha interacting protein (synphilin)	-4.58	0.49	0.00

A_51_P251639	NM_032543	Rnf123	84585	ring finger protein 123 splA/ryanodine receptor domain and SOCS box containing 2	-5.73	0.49	0.00
A_51_P410101	NM_013539	Spsb2	14794	RIKEN cDNA 9430023L20 gene	-3.51	0.49	0.01
A_51_P175758	NM_026566	9430023L2	68118		-4.67	0.49	0.00
A_51_P174396	NM_012019	Aifm1	26926	apoptosis-inducing factor, mitochondrion-associated 1	-3.51	0.49	0.01
A_51_P400375	NM_021446	0610007P1	58520	RIKEN cDNA 0610007P14 gene	-3.18	0.49	0.01
A_51_P107326	NM_024188	Oxct1	67041	3-oxoacid CoA transferase 1	-2.72	0.49	0.05
A_51_P448056	AK031405	Mospd2	76763	motile sperm domain containing 2	-3.30	0.49	0.01
A_52_P429106	NM_027278	2810432D0	69961	RIKEN cDNA 2810432D09 gene	-3.25	0.49	0.01
A_51_P454447	NM_028505	1700040I0	73327	RIKEN cDNA 1700040I03 gene	-4.57	0.49	0.00
A_52_P180335	NM_024227	Mrpl28	68611	mitochondrial ribosomal protein L28	-7.54	0.49	0.00
A_52_P1156465	AK083162	Mbd2	17191	methyl-CpG binding domain protein 2	-4.21	0.49	0.00
A_52_P917365	AV141866	NA	NA	NA	-5.87	0.49	0.00
A_51_P457259	NM_009214	Sms	20603	spermine synthase required for meiotic nuclear division 1 homolog (S. cerevisiae)	-3.95	0.49	0.00
A_51_P147562	NM_025343	Rmnd1	66084	hepsin	-3.59	0.49	0.01
A_51_P434483	NM_008281	Hpn	15451	COX19 cytochrome c oxidase assembly homolog (S. cerevisiae)	-3.34	0.49	0.01
A_51_P413687	BI905520	Cox19	68033		-4.37	0.49	0.00
A_52_P170054	NM_030087	Ndufv3	78330	NADH dehydrogenase (ubiquinone) flavoprotein 3 translocase of outer mitochondrial membrane 40 homolog-like (yeast)	-6.39	0.49	0.00
A_52_P86003	NM_001037	Tomm40l	641376		-2.67	0.49	0.05
A_52_P402897	AK038529	Cdh4	12561	cadherin 4	-3.39	0.49	0.01
A_51_P116932	NM_133664	Lad1	16763	ladinin	-2.99	0.49	0.02
A_52_P582059	NM_013590	Lyz1	17110	lysozyme 1	-2.87	0.49	0.03
A_51_P259968	NM_023113	Aspa	11484	aspartoacylase	-3.05	0.49	0.02
A_52_P546421	NM_013839	Nr1h3	22259	nuclear receptor subfamily 1, group H, member 3	-3.23	0.49	0.01
A_52_P55772	NM_009325	Tbxa2r	21390	thromboxane A2 receptor	-3.65	0.49	0.00
A_52_P893440	NM_011563	Prdx2	21672	peroxiredoxin 2	-7.07	0.49	0.00
A_52_P89273	AK051905	Cbx8	30951	chromobox homolog 8 (Drosophila Pc class)	-4.03	0.49	0.00
A_51_P413965	DV056587	NA	NA	NA	-3.70	0.49	0.00
A_51_P279127	NM_145410	Fam173a	214917	family with sequence similarity 173, member A	-4.95	0.49	0.00

A_52_P338199	NM_026378	Dalrd3	67789	DALR anticodon binding domain containing 3	-4.58	0.49	0.00
A_52_P217739	AK038969	5033411D1	192136	RIKEN cDNA 5033411D12 gene	-2.82	0.49	0.04
A_51_P344376	NM_013533	Gpr162	14788	G protein-coupled receptor 162	-4.27	0.49	0.00
A_51_P481721	NM_016771	Sult1d1	53315	sulfotransferase family 1D, member 1	-3.57	0.49	0.01
A_52_P134899	NM_001044	Zfp2	22678	zinc finger protein 2	-6.38	0.49	0.00
A_51_P229325	NM_027188	Smyd3	69726	SET and MYND domain containing 3	-2.76	0.49	0.05
A_51_P340816	NM_008389	Ipp	16351	IAP promoted placental gene	-2.87	0.49	0.03
A_52_P637172	AK154222	Pyroxd2	74580	pyridine nucleotide-disulphide oxidoreductase domain 2	-4.80	0.49	0.00
A_52_P175190	AK033431	Egfr	13649	epidermal growth factor receptor	-2.97	0.49	0.02
A_51_P477941	NM_013907	Fbxw4	30838	F-box and WD-40 domain protein 4	-3.64	0.49	0.00
A_52_P225331	NM_024438	Dusp19	68082	dual specificity phosphatase 19	-3.28	0.49	0.01
A_52_P565279	NM_144815	Cecr5	214932	cat eye syndrome chromosome region, candidate 5 homolog (human)	-4.04	0.49	0.00
A_51_P423825	NA	NA	NA	NA	-5.52	0.49	0.00
A_52_P10458	NM_011543	Skp1a	21402	S-phase kinase-associated protein 1A	-5.23	0.49	0.00
A_51_P212801	NM_019668	Ube2a	22209	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	-4.23	0.49	0.00
A_52_P367745	NM_007383	Acads	11409	acyl-Coenzyme A dehydrogenase, short chain	-5.89	0.49	0.00
A_51_P360262	NM_053122	Imp2l	93757	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae)	-3.65	0.48	0.00
A_51_P393761	NM_153064	Ndufs2	226646	NADH dehydrogenase (ubiquinone) Fe-S protein 2	-5.25	0.48	0.00
A_51_P410949	BC066818	Polr3g	67486	polymerase (RNA) III (DNA directed) polypeptide G	-3.40	0.48	0.01
A_51_P392577	NM_173763	Ccbl2	229905	cysteine conjugate-beta lyase 2	-3.26	0.48	0.01
A_52_P540855	NM_007453	Prdx6	11758	peroxiredoxin 6	-5.44	0.48	0.00
A_51_P134627	NM_080857	Asb13	142688	ankyrin repeat and SOCS box-containing 13	-3.07	0.48	0.02
A_51_P172155	NM_010401	Hal	15109	histidine ammonia lyase	-3.82	0.48	0.00
A_51_P365468	NM_009191	Clpb	20480	ClpB caseinolytic peptidase B homolog (E. coli)	-5.55	0.48	0.00
A_51_P475613	NM_029629	Fahd2a	68126	fumarylacetoacetate hydrolase domain containing 2A	-5.21	0.48	0.00
A_52_P559817	NM_024237	Fbln7	70370	fibulin 7	-3.04	0.48	0.02
A_51_P310629	NM_023114	Apoc3	11814	apolipoprotein C-III	-2.84	0.48	0.03

A_51_P425047	NM_026838	Srpx2	68792	sushi-repeat-containing protein, X-linked 2	-5.55	0.48	0.00
A_51_P256323	AK220156	Lpin2	64898	lipin 2	-3.14	0.48	0.01
A_51_P235297	NM_172391	Ahsa2	268390	AHA1, activator of heat shock protein ATPase homolog 2 (yeast)	-4.70	0.48	0.00
A_52_P359739	NM_026384	Dgat2	67800	diacylglycerol O-acyltransferase 2	-4.20	0.48	0.00
A_51_P492446	NM_172401	1110057K068832		RIKEN cDNA 1110057K04 gene	-3.51	0.48	0.01
A_52_P247282	AK172999	Tbc1d9b	76795	TBC1 domain family, member 9B	-2.76	0.48	0.05
A_51_P485791	NM_020010	Cyp51	13121	cytochrome P450, family 51	-3.24	0.48	0.01
A_51_P391367	NM_031182	Tcfap4	83383	transcription factor AP4	-4.97	0.48	0.00
A_51_P393469	XM_001002	Wdr81	192652	WD repeat domain 81	-3.73	0.48	0.00
A_51_P338705	NM_181404	Kank1	107351	KN motif and ankyrin repeat domains 1	-3.96	0.48	0.00
A_51_P274173	Z19521	Ldlr	16835	low density lipoprotein receptor	-3.39	0.48	0.01
A_51_P214557	NM_010959	Oit3	18302	oncoprotein induced transcript 3	-3.35	0.48	0.01
A_52_P537696	NM_145524	Mettl8	228019	methyltransferase like 8	-3.79	0.48	0.00
A_52_P198727	NM_026431	1810043G067884		RIKEN cDNA 1810043G02 gene	-5.48	0.48	0.00
A_51_P191700	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-6.98	0.48	0.00
A_52_P308413	AK007434	1810011H169069		RIKEN cDNA 1810011H11 gene	-4.60	0.48	0.00
A_52_P436628	NM_011697	Vegfb	22340	vascular endothelial growth factor B	-3.67	0.48	0.00
A_52_P67088	NM_019731	Nme4	56520	non-metastatic cells 4, protein expressed in	-4.96	0.48	0.00
A_51_P265905	BC066035	Zranb3	226409	zinc finger, RAN-binding domain containing 3	-5.32	0.48	0.00
A_52_P281909	AK015982	493053511675220		RIKEN cDNA 4930535116 gene	-4.88	0.48	0.00
A_51_P311319	NM_029022	Scrn3	74616	secernin 3	-3.95	0.48	0.00
A_52_P660047	AK143964	1810034E166503		RIKEN cDNA 1810034E14 gene	-4.50	0.48	0.00
A_52_P76402	BC027783	Eif2c1	236511	eukaryotic translation initiation factor 2C, 1	-4.16	0.48	0.00
A_52_P620399	NM_009697	Nr2f2	11819	nuclear receptor subfamily 2, group F, member 2	-3.93	0.48	0.00
A_51_P507359	NM_024479	Wbscr27	79565	Williams Beuren syndrome chromosome region 27 (human)	-4.18	0.48	0.00
A_51_P143142	NM_027204	Mrpl12	56282	mitochondrial ribosomal protein L12	-3.69	0.48	0.00
A_52_P681557	XM_149291	NA	NA	NA	-2.97	0.48	0.02
A_51_P234888	NM_027093	2310003L269487		RIKEN cDNA 2310003L22 gene	-4.33	0.48	0.00
A_51_P423431	NM_027838	Senp8	71599	SUMO/sentrin specific peptidase 8	-3.00	0.48	0.02
A_51_P295967	NM_001042	Proc	19123	protein C	-7.25	0.48	0.00
A_52_P333529	NM_033314	Slco2a1	24059	solute carrier organic anion transporter family, member 2a1	-2.94	0.48	0.02

A_52_P602091	NM_001037	Csf1r	12978	colony stimulating factor 1 receptor	-3.18	0.48	0.01
A_52_P499879	NM_010363	Gstz1	14874	glutathione transferase zeta 1 (maleylacetoacetate isomerase)	-3.08	0.48	0.02
A_52_P409769	NM_194464	Mrvi1	17540	MRV integration site 1	-4.95	0.48	0.00
A_51_P131879	NM_033587	Pcdhga4	93712	protocadherin gamma subfamily A, 4	-4.00	0.48	0.00
A_51_P363749	NM_016851	Irf6	54139	interferon regulatory factor 6	-4.01	0.48	0.00
A_51_P337230	NM_027864	Galnt14	71685	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14	-2.68	0.48	0.05
A_51_P245789	NM_029620	Pcolce2	76477	procollagen C-endopeptidase enhancer 2	-3.40	0.48	0.01
A_52_P38029	BC037640	Cwf19l1	72502	CWF19-like 1, cell cycle control (<i>S. pombe</i>)	-2.93	0.48	0.02
A_52_P239742	BC066054	BC024659	108934	cDNA sequence BC024659	-4.89	0.48	0.00
A_51_P358344	NM_007732	Col17a1	12821	collagen, type XVII, alpha 1	-5.81	0.48	0.00
A_52_P676063	NM_026734	Tmem126b	68472	transmembrane protein 126B	-3.93	0.48	0.00
A_51_P517012	AK005069	Tysnd1	71767	trypsin domain containing 1	-3.01	0.48	0.02
A_51_P211968	NM_025304	Lcmt1	30949	leucine carboxyl methyltransferase 1	-4.47	0.48	0.00
A_51_P144696	NM_019552	Abcb10	56199	ATP-binding cassette, sub-family B (MDR/TAP), member 10	-3.32	0.48	0.01
A_52_P63368	BC066830	Wdr67	210544	WD repeat domain 67	-2.92	0.48	0.03
A_52_P597427	AK154023	Pank2	74450	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-3.55	0.48	0.01
A_52_P574945	AK048993	1500026H1	69002	RIKEN cDNA 1500026H17 gene	-3.63	0.48	0.00
A_52_P180565	BC100355	2310061I04	69662	RIKEN cDNA 2310061I04 gene	-3.45	0.48	0.01
A_51_P417016	NM_013663	Sfrs3	20383	splicing factor, arginine/serine-rich 3 (SRp20)	-3.54	0.48	0.01
A_51_P476418	BC057368	Dock6	319899	dedicator of cytokinesis 6	-4.24	0.48	0.00
A_51_P435506	NM_008637	Nudt1	17766	nudix (nucleoside diphosphate linked moiety X)-type motif 1	-3.45	0.48	0.01
A_52_P369310	NM_010956	Ogdh	18293	oxoglutarate dehydrogenase (lipoamide)	-2.79	0.48	0.04
A_51_P336161	NM_010764	Man2b1	17159	mannosidase 2, alpha B1	-4.65	0.48	0.00
A_52_P462657	AK139527	Gm11545	217122	predicted gene 11545	-5.07	0.48	0.00
A_52_P635078	NM_172668	Lrp4	228357	low density lipoprotein receptor-related protein 4	-4.29	0.48	0.00
A_51_P460954	NM_009139	Ccl6	20305	chemokine (C-C motif) ligand 6	-3.45	0.48	0.01
A_51_P121288	NM_021527	Mkks	59030	McKusick-Kaufman syndrome protein	-3.16	0.48	0.01

A_52_P138656	NM_008854	Prkaca	18747	protein kinase, cAMP dependent, catalytic, alpha	-4.13	0.48	0.00
A_52_P391805	NM_028934	4930452B074430		RIKEN cDNA 4930452B06 gene	-4.33	0.48	0.00
A_51_P488063	NM_172122	Crocc	230872	ciliary rootlet coiled-coil, rootletin	-4.43	0.48	0.00
A_51_P369311	NM_015760	Nox4	50490	NADPH oxidase 4	-4.53	0.48	0.00
A_51_P249268	AK122246	D130043K2210108		RIKEN cDNA D130043K22 gene	-3.08	0.48	0.02
A_51_P196990	NM_017404	Mrpl39	27393	mitochondrial ribosomal protein L39	-5.33	0.48	0.00
A_51_P140751	NM_011397	Slc23a1	20522	solute carrier family 23 (nucleobase transporters), member 1	-2.83	0.48	0.04
A_52_P404533	NM_013560	Hspb1	15507	heat shock protein 1	-4.52	0.48	0.00
A_51_P332932	AK016814	4933415A075727		RIKEN cDNA 4933415A04 gene	-4.16	0.48	0.00
A_52_P30920	NM_013761	Srr	27364	serine racemase	-3.57	0.48	0.01
A_52_P1052029	AK031632	NA	NA	NA	-3.97	0.48	0.00
A_52_P13337	NA	NA	NA	NA	-3.81	0.48	0.00
A_52_P280425	BU530502	NA	NA	NA	-3.36	0.48	0.01
A_52_P17556	NM_134249	Timd2	171284	T-cell immunoglobulin and mucin domain containing 2	-3.09	0.48	0.02
A_52_P483336	NM_007641	Ms4a1	12482	membrane-spanning 4-domains, subfamily A, member 1	-2.68	0.48	0.05
A_52_P1179483	AK015079	4930404H173815		RIKEN cDNA 4930404H11 gene	-5.21	0.48	0.00
A_52_P440284	BC075618	Mxra7	67622	matrix-remodelling associated 7	-3.47	0.48	0.01
A_51_P138502	BC002262	Ttc28	209683	tetratricopeptide repeat domain 28	-5.62	0.48	0.00
A_51_P167452	AK049330	Snap47	67826	synaptosomal-associated protein, 47	-3.32	0.48	0.01
A_52_P480088	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	-3.05	0.48	0.02
A_52_P213220	NA	NA	NA	NA	-3.04	0.48	0.02
A_51_P180140	NM_175663	Hist1h2ba	319177	histone cluster 1, H2ba	-3.01	0.48	0.02
A_51_P178063	NM_009025	Rasa3	19414	RAS p21 protein activator 3	-5.30	0.48	0.00
A_52_P422755	NM_030145	Lsm6	78651	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-6.39	0.48	0.00
A_51_P480046	NM_001026	Entpd5	12499	ectonucleoside triphosphate diphosphohydrolase 5	-2.76	0.48	0.05
A_51_P184197	NM_031878	Smarcd2	83796	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	-5.73	0.48	0.00
A_51_P520936	NM_013867	Bcar3	29815	breast cancer anti-estrogen resistance 3	-2.90	0.48	0.03

A_52_P459288	AK050350	NA	NA	NA	-2.73	0.48	0.05
A_52_P191341	AK078042	Naa15	74838	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	-4.02	0.48	0.00
A_52_P3723	BC096542	Nfib	18028	nuclear factor I/B	-3.19	0.48	0.01
A_52_P398158	NM_146173	Tspan33	232670	tetraspanin 33	-5.73	0.47	0.00
A_51_P399853	NM_133218	Zfp704	170753	zinc finger protein 704	-3.35	0.47	0.01
A_52_P409055	BC078641	Dcaf8	98193	DDB1 and CUL4 associated factor 8	-4.90	0.47	0.00
A_52_P301821	NM_053078	D0H4S114	27528	DNA segment, human D4S114	-6.65	0.47	0.00
A_51_P273928	AK039851	Kdm2a	225876	lysine (K)-specific demethylase 2A	-6.11	0.47	0.00
A_52_P268720	AK020667	Helz	78455	helicase with zinc finger domain endonuclease/exonuclease/phosphatase family domain containing 1	-3.90	0.47	0.00
A_51_P317191	NM_026189	Eepd1	67484	containing 1	-3.32	0.47	0.01
A_52_P877015	BC089035	Thrb	21834	thyroid hormone receptor beta	-4.43	0.47	0.00
A_51_P495767	NM_011948	Map3k4	26407	mitogen-activated protein kinase kinase kinase 4	-6.25	0.47	0.00
A_52_P68419	NM_175164	Arhgap26	71302	Rho GTPase activating protein 26	-4.97	0.47	0.00
A_52_P108808	NA	NA	NA	NA	-5.16	0.47	0.00
A_52_P513347	NM_199446	Phkb	102093	phosphorylase kinase beta	-3.23	0.47	0.01
A_51_P310548	NM_133676	Osgep	66246	O-sialoglycoprotein endopeptidase	-5.49	0.47	0.00
A_51_P382121	NM_145517	Ormdl1	227102	ORM1-like 1 (<i>S. cerevisiae</i>)	-3.91	0.47	0.00
A_52_P279651	NM_019778	Zbtb20	56490	zinc finger and BTB domain containing 20	-3.75	0.47	0.00
A_52_P384594	AK090134	Anapc1	17222	anaphase promoting complex subunit 1	-3.26	0.47	0.01
A_51_P220681	NM_009657	Aldoc	11676	aldolase C, fructose-bisphosphate	-3.91	0.47	0.00
A_52_P421096	NM_029752	Bri3bp	76809	Bri3 binding protein	-4.20	0.47	0.00
A_51_P362104	NM_032003	Enpp5	83965	ectonucleotide pyrophosphatase/phosphodiesterase 5	-4.24	0.47	0.00
A_51_P474188	NM_198942	Dhx57	106794	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	-3.36	0.47	0.01
A_51_P313855	NM_183408	Pde4a	18577	phosphodiesterase 4A, cAMP specific	-6.60	0.47	0.00
A_52_P527463	NM_145959	D15Erttd62	210998	DNA segment, Chr 15, ERATO Doi 621, expressed	-3.59	0.47	0.01
A_51_P391897	NM_146290	Olf125	258287	olfactory receptor 125	-4.56	0.47	0.00
A_52_P321325	AK161741	Zhx3	320799	zinc fingers and homeoboxes 3	-4.06	0.47	0.00
A_51_P211964	NM_025304	Lcmt1	30949	leucine carboxyl methyltransferase 1 solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-5.16	0.47	0.00
A_51_P210350	NM_182959	Slc17a8	216227	phosphate cotransporter), member 8	-3.83	0.47	0.00
A_51_P158418	AK013449	2810488G0	72842	RIKEN cDNA 2810488G03 gene	-5.30	0.47	0.00

A_51_P135394	NM_019758	Mtch2	56428	mitochondrial carrier homolog 2 (C. elegans)	-5.24	0.47	0.00
A_52_P344970	NM_145853	Tpcn1	252972	two pore channel 1	-6.03	0.47	0.00
A_52_P88818	NM_029556	Clybl	69634	citrate lyase beta like	-3.84	0.47	0.00
A_52_P667477	NM_148925	Fyco1	17281	FYVE and coiled-coil domain containing 1	-2.74	0.47	0.05
A_51_P317317	NM_172116	Pddc1	213350	Parkinson disease 7 domain containing 1	-2.66	0.47	0.06
A_52_P378084	XR_002675	NA	NA	NA	-3.08	0.47	0.02
A_51_P191520	NM_019990	Stard10	56018	START domain containing 10	-6.10	0.47	0.00
A_51_P152550	NM_178378	lqcg	69707	IQ motif containing G	-3.56	0.47	0.01
A_51_P352562	NM_024177	Mrpl38	60441	mitochondrial ribosomal protein L38	-3.17	0.47	0.01
A_51_P190572	NM_133906	Zkscan1	74570	zinc finger with KRAB and SCAN domains 1	-3.12	0.47	0.01
A_52_P655663	NM_010376	H13	14950	histocompatibility 13	-3.58	0.47	0.01
A_51_P238932	NA	NA	NA	NA	-2.94	0.47	0.02
A_52_P336142	NM_011920	Abcg2	26357	ATP-binding cassette, sub-family G (WHITE), member 2	-3.00	0.47	0.02
A_52_P193191	NM_001001	Slc35d2	70484	solute carrier family 35, member D2	-4.91	0.47	0.00
A_52_P358720	NM_146489	Olfr266	258482	olfactory receptor 266	-4.97	0.47	0.00
A_51_P224517	NM_172303	Phf17	269424	PHD finger protein 17	-4.94	0.47	0.00
A_51_P275658	NM_016874	Deaf1	54006	(Drosophila) deformed epidermal autoregulatory factor 1	-6.42	0.47	0.00
A_51_P217498	NM_009204	Slc2a4	20528	solute carrier family 2 (facilitated glucose transporter), member 4	-2.82	0.47	0.04
A_51_P217395	NM_145474	Cyp2d34	223706	cytochrome P450, family 2, subfamily d, polypeptide 34	-3.59	0.47	0.01
A_52_P309494	NM_025905	Ttc23	67009	tetratricopeptide repeat domain 23	-3.24	0.47	0.01
A_52_P256929	NM_008624	Mras	17532	muscle and microspikes RAS	-4.91	0.47	0.00
A_51_P484009	NM_007941	Stx2	13852	syntaxin 2	-3.05	0.47	0.02
A_52_P569348	NM_010022	Dbt	13171	dihydrolipoamide branched chain transacylase E2 EGF-like module containing, mucin-like, hormone	-3.58	0.47	0.01
A_51_P251768	NM_010130	Emr1	13733	receptor-like sequence 1	-3.03	0.47	0.02
A_52_P381418	NM_021435	Slc35b4	58246	solute carrier family 35, member B4	-3.62	0.47	0.00
A_52_P532559	AK158826	Thrb	21834	thyroid hormone receptor beta	-3.48	0.47	0.01
A_51_P264695	NM_016669	Crym	12971	crystallin, mu	-4.29	0.47	0.00
A_52_P70216	AK156456	Gm12942	1E+08	predicted gene 12942	-3.60	0.47	0.01
A_51_P132718	BU945741	2310010J1	78329	RIKEN cDNA 2310010J17 gene	-3.36	0.47	0.01

A_51_P302453	NM_172589	Lhfp12	218454	lipoma HMGIC fusion partner-like 2	-4.95	0.47	0.00
A_52_P260629	NM_027769	Cpne3	70568	copine III	-4.58	0.47	0.00
A_51_P416647	NM_010115	Egfbp2	13647	epidermal growth factor binding protein type B	-3.40	0.47	0.01
A_51_P346668	NM_012057	Irf5	27056	interferon regulatory factor 5	-3.45	0.47	0.01
A_51_P443618	NM_026686	0610011F06	68347	RIKEN cDNA 0610011F06 gene	-5.90	0.47	0.00
A_51_P462102	BC052391	Gpr125	70693	G protein-coupled receptor 125	-4.28	0.47	0.00
A_51_P383737	NM_145611	Kank2	235041	KN motif and ankyrin repeat domains 2 epidermal growth factor-containing fibulin-like	-3.95	0.47	0.00
A_51_P337412	NM_146015	Efemp1	216616	extracellular matrix protein 1	-3.14	0.47	0.01
A_51_P414637	NM_015734	Col5a1	12831	collagen, type V, alpha 1	-3.39	0.47	0.01
A_51_P209372	NM_025436	Sc4mol	66234	sterol-C4-methyl oxidase-like	-4.03	0.47	0.00
A_52_P584293	NM_181415	Atrnl1	226255	attractin like 1	-4.14	0.47	0.00
A_51_P330918	NA	NA	NA	NA	-4.11	0.47	0.00
A_52_P232071	NA	NA	NA	NA	-4.82	0.47	0.00
A_51_P320114	NM_013535	Grcc10	14790	gene rich cluster, C10 gene	-4.04	0.47	0.00
A_51_P172177	NM_001039	Tmco1	68944	transmembrane and coiled-coil domains 1	-5.51	0.47	0.00
A_51_P234421	NM_009213	Smpd2	20598	sphingomyelin phosphodiesterase 2, neutral	-2.96	0.47	0.02
A_52_P397678	NM_178916	Rfesd	218341	Rieske (Fe-S) domain containing	-4.33	0.47	0.00
A_51_P231946	NM_025503	1700029P1	66346	RIKEN cDNA 1700029P11 gene	-3.53	0.47	0.01
A_52_P676198	NM_025912	2010011I2	67017	RIKEN cDNA 2010011I20 gene	-4.15	0.47	0.00
A_51_P208769	NM_133719	Metrn	70083	meteorin, glial cell differentiation regulator	-4.37	0.47	0.00
A_52_P639223	NM_009738	Bche	12038	butyrylcholinesterase	-4.45	0.47	0.00
A_51_P260658	NM_172935	Amdhd2	245847	amidohydrolase domain containing 2	-4.90	0.47	0.00
A_51_P129720	NM_175244	Hectd3	76608	HECT domain containing 3	-3.53	0.47	0.01
A_51_P204504	NM_013925	Adat1	30947	adenosine deaminase, tRNA-specific 1	-4.20	0.47	0.00
A_52_P576208	XM_988947	A930018M	328399	RIKEN cDNA A930018M24 gene	-6.91	0.47	0.00
A_52_P588917	XM_900750	NA	NA	NA	-3.67	0.47	0.00
A_52_P487040	BC056642	Rdh9	103142	retinol dehydrogenase 9	-3.42	0.47	0.01
A_51_P132592	NM_029998	6030458C1	77877	RIKEN cDNA 6030458C11 gene	-2.74	0.47	0.05
A_52_P650288	NM_029963	Mrps5	77721	mitochondrial ribosomal protein S5	-4.95	0.47	0.00
A_51_P304296	NA	NA	NA	NA	-3.72	0.46	0.00
A_52_P268715	AK020667	Helz	78455	helicase with zinc finger domain	-4.28	0.46	0.00
A_51_P224872	BC076568	Syne2	319565	synaptic nuclear envelope 2	-5.79	0.46	0.00
A_51_P201237	NM_001040	Larp1b	214048	La ribonucleoprotein domain family, member 1B	-4.46	0.46	0.00

A_52_P319161	NM_019641	Stmn1	16765	stathmin 1	-4.55	0.46	0.00
A_51_P172424	NM_001013	Krtap4-16	435285	keratin associated protein 4-16	-2.81	0.46	0.04
A_51_P516097	AK147204	Cyld	74256	cyllindromatosis (turban tumor syndrome)	-4.41	0.46	0.00
A_52_P41953	NM_030221	Nadsyn1	78914	NAD synthetase 1	-3.25	0.46	0.01
A_51_P199364	NM_016903	Esd	13885	esterase D/formylglutathione hydrolase	-6.08	0.46	0.00
A_51_P461504	NM_007908	Eef2k	13631	eukaryotic elongation factor-2 kinase	-4.82	0.46	0.00
A_51_P269554	NM_010439	Hmgb1	15289	high mobility group box 1	-4.62	0.46	0.00
A_51_P183803	NM_009174	Siah2	20439	seven in absentia 2	-3.17	0.46	0.01
				proline-serine-threonine phosphatase-interacting			
A_52_P369562	NM_013831	Pstpip2	19201	protein 2	-4.31	0.46	0.00
A_51_P248044	NM_008483	Lamb2	16779	laminin, beta 2	-5.07	0.46	0.00
A_51_P153289	NM_026522	Chid1	68038	chitinase domain containing 1	-2.94	0.46	0.02
A_51_P373441	NM_026948	Cuta	67675	cutA divalent cation tolerance homolog (E. coli)	-4.81	0.46	0.00
				complement component 1, q subcomponent, alpha			
A_51_P181451	NM_007572	C1qa	12259	polypeptide	-2.72	0.46	0.05
A_52_P164161	NM_020010	Cyp51	13121	cytochrome P450, family 51	-3.25	0.46	0.01
A_51_P192523	NM_022657	Fgf23	64654	fibroblast growth factor 23	-3.17	0.46	0.01
A_52_P197627	NM_009471	Umps	22247	uridine monophosphate synthetase	-3.81	0.46	0.00
A_51_P322906	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-7.72	0.46	0.00
A_51_P367780	NM_029981	Adamtsl2	77794	ADAMTS-like 2	-3.66	0.46	0.00
A_52_P470030	NM_181404	Kank1	107351	KN motif and ankyrin repeat domains 1	-3.59	0.46	0.01
A_52_P640694	AK122226	Rims3	242662	regulating synaptic membrane exocytosis 3	-5.22	0.46	0.00
A_52_P628369	NM_173427	Klhdc7a	242721	kelch domain containing 7A	-4.50	0.46	0.00
A_52_P392591	NM_027931	Tars2	71807	threonyl-tRNA synthetase 2, mitochondrial (putative)	-2.92	0.46	0.03
A_52_P407918	NM_133975	Trip12	14897	thyroid hormone receptor interactor 12	-3.92	0.46	0.00
A_51_P193379	NM_001040	Mtmr7	54384	myotubularin related protein 7	-5.50	0.46	0.00
A_51_P267080	NM_138302	Tymp	72962	thymidine phosphorylase	-3.47	0.46	0.01
A_52_P658513	NM_009057	Rag1ap1	19729	recombination activating gene 1 activating protein 1	-5.38	0.46	0.00
				low density lipoprotein receptor-related protein			
A_52_P583973	NM_013587	Lrpap1	16976	associated protein 1	-7.52	0.46	0.00
A_52_P20727	NM_175340	Nhlrc1	105193	NHL repeat containing 1	-4.78	0.46	0.00
A_52_P344376	NM_013506	Eif4a2	13682	eukaryotic translation initiation factor 4A2	-3.21	0.46	0.01

A_51_P488646	NM_009755	Bmp1	12153	bone morphogenetic protein 1	-3.69	0.46	0.00
A_51_P280200	NM_009462	Usp10	22224	ubiquitin specific peptidase 10	-3.40	0.46	0.01
A_52_P466928	NM_025292	Synj2bp	24071	synaptojanin 2 binding protein	-3.71	0.46	0.00
A_51_P231499	NM_008813	Enpp1	18605	ectonucleotide pyrophosphatase/phosphodiesterase 1	-3.54	0.46	0.01
A_52_P98100	AK161732	Dcxr	67880	dicarbonyl L-xylulose reductase	-5.12	0.46	0.00
A_51_P448416	AK151452	Pusl1	433813	pseudouridylate synthase-like 1	-4.73	0.46	0.00
A_51_P390496	NM_139308	Stard7	99138	START domain containing 7	-3.33	0.46	0.01
A_51_P122981	AK006699	170004511:73350		RIKEN cDNA 1700045111 gene	-4.39	0.46	0.00
A_52_P674694	NM_025999	Rnf141	67150	ring finger protein 141	-3.92	0.46	0.00
A_51_P416771	NM_198024	Ranbp3l	223332	RAN binding protein 3-like	-4.95	0.46	0.00
A_51_P274506	NM_011573	Tex264	21767	testis expressed gene 264	-6.76	0.46	0.00
A_51_P308726	NM_025516	Ergic3	66366	ERGIC and golgi 3	-3.02	0.46	0.02
A_52_P609868	NM_178759	Timd4	276891	T-cell immunoglobulin and mucin domain containing 4	-3.62	0.46	0.00
A_51_P155482	NM_011132	Pole	18973	polymerase (DNA directed), epsilon	-4.46	0.46	0.00
A_51_P108659	NM_011134	Pon1	18979	paraoxonase 1	-4.19	0.46	0.00
A_51_P464911	NM_029619	Msrb2	76467	methionine sulfoxide reductase B2	-4.36	0.46	0.00
A_51_P513720	U19596	Cdkn2c	12580	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-4.03	0.46	0.00
A_51_P337065	AK160524	4930402E1	319518	RIKEN cDNA 4930402E16 gene	-3.40	0.46	0.01
A_51_P199187	NM_026062	Fam69a	67266	family with sequence similarity 69, member A	-4.52	0.46	0.00
A_51_P190869	BB307119	NA	NA	NA	-4.13	0.46	0.00
A_51_P291062	NM_028266	Col16a1	107581	collagen, type XVI, alpha 1	-3.44	0.46	0.01
A_51_P331424	NM_175138	Dnaic1	68922	dynein, axonemal, intermediate chain 1	-3.18	0.46	0.01
A_52_P588262	NA	NA	NA	NA	-4.11	0.46	0.00
A_52_P113465	AK173007	Kif1c	16562	kinesin family member 1C	-4.46	0.46	0.00
A_51_P196605	NM_026880	Pink1	68943	PTEN induced putative kinase 1	-4.13	0.46	0.00
A_51_P183205	NM_172615	1700021K1	224118	RIKEN cDNA 1700021K19 gene	-3.07	0.46	0.02
A_51_P462249	NM_025415	Cks2	66197	CDC28 protein kinase regulatory subunit 2	-2.85	0.46	0.03
A_52_P180842	NM_177333	Exoc3	211446	exocyst complex component 3	-4.04	0.46	0.00
A_51_P128491	NM_015749	Tcn2	21452	transcobalamin 2	-4.43	0.46	0.00
A_51_P328817	NM_183152	Plk5	216166	polo-like kinase 5 (Drosophila)	-4.07	0.46	0.00
A_51_P329291	NM_030206	Cygb	114886	cytoglobin	-3.58	0.46	0.01

				pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish)RIKEN cDNA			
A_51_P299266	NM_025598	Pdpf	66496	2700038C09 gene	-3.39	0.46	0.01
A_52_P198019	AK134650	Fuz	70300	fuzzy homolog (Drosophila)	-4.53	0.46	0.00
A_51_P330922	NM_146101	Habp2	226243	hyaluronic acid binding protein 2	-5.55	0.46	0.00
A_51_P460332	NM_007385	Apoc4	11425	apolipoprotein C-IV	-3.35	0.46	0.01
A_51_P323521	NM_133924	Snx21	101113	sorting nexin family member 21	-4.13	0.46	0.00
A_52_P448266	NM_009737	Bcat2	12036	branched chain aminotransferase 2, mitochondrial	-3.03	0.46	0.02
A_51_P270741	NM_009303	Syng1	20972	synaptogyrin 1	-5.55	0.46	0.00
A_51_P437289	NM_133214	BC017612	170748	cDNA sequence BC017612	-3.03	0.46	0.02
A_52_P3229	NM_009924	Cnr2	12802	cannabinoid receptor 2 (macrophage)	-5.00	0.46	0.00
A_52_P406371	NM_001048	Med14	26896	mediator complex subunit 14	-3.28	0.46	0.01
A_51_P123745	BC025823	Spns2	216892	spinster homolog 2 (Drosophila)	-2.63	0.46	0.07
A_51_P472630	BC028539	H2afv	77605	H2A histone family, member V	-3.88	0.46	0.00
A_51_P342835	NM_027909	C2cd2l	71764	C2 calcium-dependent domain containing 2-like	-3.95	0.46	0.00
A_51_P429472	NM_024185	Fam188a	66960	family with sequence similarity 188, member A	-4.24	0.46	0.00
A_52_P116204	NM_001025	Cadm1	54725	cell adhesion molecule 1	-7.63	0.46	0.00
A_51_P484020	NM_134158	AF251705	140497	cDNA sequence AF251705	-3.19	0.46	0.01
A_51_P394558	XM_194371	Dchs1	233651	dachsous 1 (Drosophila)	-5.21	0.46	0.00
A_51_P361049	NM_025370	1110018J1	66129	RIKEN cDNA 1110018J18 gene	-4.76	0.46	0.00
A_51_P302823	NM_019686	Cib2	56506	calcium and integrin binding family member 2	-2.95	0.46	0.02
A_51_P451758	BC020147	Rab3il1	74760	RAB3A interacting protein (rabin3)-like 1	-5.31	0.46	0.00
A_52_P313789	AF369981	Ppm1a	19042	protein phosphatase 1A, magnesium dependent, alpha isoform	-3.82	0.46	0.00
A_51_P118046	NM_177382	Cyp2r1	244209	cytochrome P450, family 2, subfamily r, polypeptide 1	-3.22	0.46	0.01
A_51_P256957	NM_146033	Ankmy2	217473	ankyrin repeat and MYND domain containing 2	-6.40	0.46	0.00
A_51_P489488	NM_001039	Pde4dip	83679	phosphodiesterase 4D interacting protein (myomegalin)	-3.24	0.46	0.01
A_51_P218179	NM_008618	Mdh1	17449	malate dehydrogenase 1, NAD (soluble)	-4.22	0.46	0.00
A_52_P309418	BC056481	NA	NA	NA	-5.03	0.46	0.00
A_52_P601333	AK078961	6230424C1	67786	RIKEN cDNA 6230424C14 gene	-6.71	0.46	0.00
A_51_P440790	NM_031843	Dpp7	83768	dipeptidylpeptidase 7	-7.08	0.46	0.00

A_52_P636752	NM_020010 Cyp51	13121	cytochrome P450, family 51	-4.31	0.46	0.00
A_51_P377557	NM_029794 Cpsf4l	52670	cleavage and polyadenylation specific factor 4-like ankyrin repeat and sterile alpha motif domain	-3.43	0.46	0.01
A_51_P318618	NM_028085 Anks4b	72074	containing 4B	-3.24	0.46	0.01
A_51_P457492	NM_025791 Tmem223	66836	transmembrane protein 223	-4.67	0.46	0.00
A_52_P1107346	AK018397 2610002M06	67028	RIKEN cDNA 2610002M06 gene	-4.66	0.46	0.00
A_51_P101255	NM_027896 Coasy	71743	Coenzyme A synthase	-3.26	0.46	0.01
A_52_P147870	NM_029963 Mrps5	77721	mitochondrial ribosomal protein S5	-3.63	0.46	0.00
A_52_P460703	NM_138956 Rassf3	192678	Ras association (RalGDS/AF-6) domain family member 3	-4.77	0.45	0.00
A_51_P286865	BC064745 Wdr33	74320	WD repeat domain 33	-3.54	0.45	0.01
A_51_P215794	NM_013851 Abca8b	27404	ATP-binding cassette, sub-family A (ABC1), member 8b	-3.70	0.45	0.00
A_51_P487547	NM_025911 Ccdc91	67015	coiled-coil domain containing 91	-3.38	0.45	0.01
A_51_P309889	AK169010 2310044H10	69683	RIKEN cDNA 2310044H10 gene	-4.72	0.45	0.00
A_52_P601021	NM_026979 C1qtnf2	69183	C1q and tumor necrosis factor related protein 2	-6.99	0.45	0.00
A_51_P317115	NM_175450 Wdr18	216156	WD repeat domain 18	-4.45	0.45	0.00
A_52_P594636	NM_201410 Ugt1a6b	394435	UDP glucuronosyltransferase 1 family, polypeptide A6B sirtuin 3 (silent mating type information regulation 2, homolog) 3 (<i>S. cerevisiae</i>)	-3.77	0.45	0.00
A_51_P477179	NM_022433 Sirt3	64384		-4.39	0.45	0.00
A_52_P370225	NM_027062 C8g	69379	complement component 8, gamma polypeptide MAM domain containing glycosylphosphatidylinositol anchor 2	-3.63	0.45	0.00
A_52_P207001	AK038962 Mdga2	320772		-3.93	0.45	0.00
A_51_P433843	NM_001033 Slc22a23	73102	solute carrier family 22, member 23	-3.35	0.45	0.01
A_52_P222593	AK003199 1110001A16	68554	RIKEN cDNA 1110001A16 gene	-3.90	0.45	0.00
A_52_P48777	NM_017478 Copg2	54160	coatamer protein complex, subunit gamma 2	-5.84	0.45	0.00
A_52_P46665	AK077379 Dnajc19	67713	Dnaj (Hsp40) homolog, subfamily C, member 19 nudix (nucleoside diphosphate linked moiety X)-type motif 7	-3.24	0.45	0.01
A_51_P148670	NM_024437 Nudt7	67528		-2.66	0.45	0.06
A_51_P249848	NM_007883 Dsg2	13511	desmoglein 2	-4.93	0.45	0.00
A_51_P470311	NM_028634 Cby1	73739	chibby homolog 1 (<i>Drosophila</i>)	-4.21	0.45	0.00
A_51_P259186	NM_145692 Lrrc67	69312	leucine rich repeat containing 67	-3.33	0.45	0.01

A_52_P661029	NM_177392	Tmem220	338369	transmembrane protein 220	-5.49	0.45	0.00
A_52_P671769	NM_176837	Arhgap18	73910	Rho GTPase activating protein 18	-5.05	0.45	0.00
A_51_P103929	NM_008591	Met	17295	met proto-oncogene	-2.68	0.45	0.05
A_52_P467930	NA	NA	NA	NA	-5.49	0.45	0.00
A_51_P127464	NM_199149	Lrrc68	232947	leucine rich repeat containing 68	-6.96	0.45	0.00
A_52_P224104	NM_009790	Calm1	12313	calmodulin 1	-2.95	0.45	0.02
A_51_P408162	NM_175277	Bola3	78653	bolA-like 3 (E. coli)	-4.56	0.45	0.00
A_52_P496163	AK082993	Zfp697	242109	zinc finger protein 697	-4.88	0.45	0.00
A_51_P146701	AK156993	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-4.32	0.45	0.00
A_51_P239286	NM_029410	Bcl2l12	75736	BCL2-like 12 (proline rich)	-3.47	0.45	0.01
A_52_P178866	BC094349	Lrp3	435965	low density lipoprotein receptor-related protein 3	-3.99	0.45	0.00
A_52_P193429	NM_007496	Zfhx3	11906	zinc finger homeobox 3	-4.74	0.45	0.00
A_52_P633612	NM_001013	Pard3	93742	par-3 (partitioning defective 3) homolog (C. elegans)	-4.58	0.45	0.00
A_51_P218895	NM_008064	Gaa	14387	glucosidase, alpha, acid	-4.44	0.45	0.00
A_51_P349888	NM_007449	Ang2	11731	angiogenin, ribonuclease A family, member 2	-2.76	0.45	0.05
A_51_P231920	NM_001013	Lman2l	214895	lectin, mannose-binding 2-like	-4.73	0.45	0.00
A_52_P272945	NM_023243	Ccnh	66671	cyclin H	-4.53	0.45	0.00
A_52_P203741	NM_009176	St3gal3	20441	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	-5.85	0.45	0.00
A_51_P155196	NM_178890	Abtb2	99382	ankyrin repeat and BTB (POZ) domain containing 2	-4.02	0.45	0.00
A_51_P519696	NM_008624	Mras	17532	muscle and microspikes RAS	-4.42	0.45	0.00
A_51_P345896	NM_133880	Pafah2	100163	platelet-activating factor acetylhydrolase 2	-2.69	0.45	0.05
A_51_P423456	NM_019972	Sort1	20661	sortilin 1	-5.56	0.45	0.00
A_51_P425962	NM_010158	Khdrbs3	13992	KH domain containing, RNA binding, signal transduction associated 3	-3.69	0.45	0.00
A_52_P44765	NM_144880	Ppp2r5a	226849	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-4.10	0.45	0.00
A_51_P386899	NM_145447	Mfsd7c	217721	major facilitator superfamily domain containing 7C	-3.86	0.45	0.00
A_52_P327146	AK031552	NA	NA	NA	-2.63	0.45	0.07
A_51_P392861	NM_029365	Med25	75613	mediator of RNA polymerase II transcription, subunit 25 homolog (yeast)	-5.21	0.45	0.00

A_51_P477418	AK003826	Nfic	18029	nuclear factor I/C	-3.40	0.45	0.01
A_52_P170509	NM_011075	Abcb1b	18669	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	-2.69	0.45	0.05
A_51_P358171	NM_019488	Slc2a8	56017	solute carrier family 2, (facilitated glucose transporter), member 8	-6.82	0.45	0.00
A_51_P174415	NM_170755	Fam134a	227298	family with sequence similarity 134, member A	-6.04	0.45	0.00
A_51_P509643	NM_001042	Snca	20617	synuclein, alpha	-3.07	0.45	0.02
A_52_P353322	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-4.02	0.45	0.00
A_52_P521054	NM_011459	Serpinb8	20725	serine (or cysteine) peptidase inhibitor, clade B, member 8	-2.86	0.45	0.03
A_52_P884435	AK079271	Furin	18550	furin (paired basic amino acid cleaving enzyme)	-4.88	0.45	0.00
A_51_P502892	NM_008688	Nfic	18029	nuclear factor I/C	-2.69	0.45	0.05
A_51_P155323	NM_010406	Hc	15139	hemolytic complement	-6.07	0.45	0.00
A_52_P79385	NM_025952	Magt1	67075	magnesium transporter 1	-5.43	0.45	0.00
A_51_P191519	AB031550	Stard10	56018	START domain containing 10	-5.86	0.45	0.00
A_51_P350368	NM_027986	Cdadcl1	71891	cytidine and dCMP deaminase domain containing 1	-3.75	0.45	0.00
A_51_P400366	NM_021375	Rhbg	58176	Rhesus blood group-associated B glycoprotein	-3.79	0.45	0.00
A_51_P384113	AK033963	9330129D05	338350	RIKEN cDNA 9330129D05 gene	-4.18	0.45	0.00
A_52_P305539	NM_201375	Kng2	385643	kininogen 2	-3.95	0.45	0.00
A_51_P272728	AK007181	Tmem165	21982	transmembrane protein 165	-4.44	0.45	0.00
A_52_P181060	NM_022988	Nif3l1	65102	Ngg1 interacting factor 3-like 1 (S. pombe)	-3.59	0.45	0.01
A_51_P354913	NM_027402	Fndc5	384061	fibronectin type III domain containing 5	-4.90	0.45	0.00
A_51_P419925	BC058405	E130112L2	268739	RIKEN cDNA E130112L23 gene	-5.43	0.45	0.00
A_51_P101545	NM_019447	Hgfac	54426	hepatocyte growth factor activator	-4.94	0.45	0.00
A_51_P436610	XM_895387	2210408F2	73652	RIKEN cDNA 2210408F21 gene	-4.12	0.45	0.00
A_51_P108252	NM_029522	Gpsm2	76123	G-protein signalling modulator 2 (AGS3-like, C. elegans)	-4.33	0.45	0.00
A_52_P110088	NM_023247	Ndufaf3	66706	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3	-4.07	0.45	0.00
A_51_P386031	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	-4.54	0.45	0.00
A_51_P116651	NM_019759	Dpt	56429	dermatopontin	-2.84	0.45	0.03
A_51_P116496	NM_198172	NA	NA	NA	-3.17	0.45	0.01
A_52_P552879	NM_001025	Efcab4a	213573	EF-hand calcium binding domain 4A	-4.55	0.45	0.00

A_51_P476689	NM_001038	Mapt	17762	microtubule-associated protein tau	-4.36	0.45	0.00
A_51_P481221	NM_019517	Bace2	56175	beta-site APP-cleaving enzyme 2	-5.43	0.45	0.00
A_52_P641282	AK005692	Pdilt	71830	protein disulfide isomerase-like, testis expressed	-4.09	0.45	0.00
A_52_P299684	NM_172465	Zdhhc9	208884	zinc finger, DHHC domain containing 9	-3.77	0.45	0.00
A_52_P356245	NM_198616	Ccdc85b	240514	coiled-coil domain containing 85B	-4.49	0.45	0.00
A_52_P77793	NM_015818	Hs6st1	50785	heparan sulfate 6-O-sulfotransferase 1	-4.02	0.45	0.00
A_51_P117581	NM_022021	Cables1	63955	CDK5 and Abl enzyme substrate 1	-3.89	0.45	0.00
A_51_P441942	NM_009383	Tial1	21843	Tia1 cytotoxic granule-associated RNA binding protein-like 1	-2.71	0.45	0.05
A_51_P117865	NM_030565	Fam20c	80752	family with sequence similarity 20, member C	-3.41	0.45	0.01
A_51_P354077	NM_153153	Svil	225115	supervillin	-3.97	0.45	0.00
A_52_P8227	NM_008866	Lypla1	18777	lysophospholipase 1	-3.72	0.45	0.00
A_52_P24843	NM_008960	Pten	19211	phosphatase and tensin homolog	-4.18	0.45	0.00
A_51_P174773	NM_026063	2900010M	67267	RIKEN cDNA 2900010M23 gene	-5.38	0.45	0.00
A_52_P312116	AK078819	Znrf1	170737	zinc and ring finger 1	-2.87	0.45	0.03
A_52_P412529	NM_020593	Fbxo3	57443	F-box protein 3	-3.54	0.45	0.01
A_51_P386911	NM_027346	Taco1	70207	cytochrome c oxidase I	-4.35	0.45	0.00
A_52_P327537	NM_010820	Mpdz	17475	multiple PDZ domain protein	-3.31	0.45	0.01
A_51_P150905	NM_145479	Klhl22	224023	kelch-like 22 (Drosophila)	-4.13	0.45	0.00
A_52_P620496	AK031480	Gpr182	11536	G protein-coupled receptor 182	-3.05	0.45	0.02
A_52_P23379	NM_144804	Depdc7	211896	DEP domain containing 7	-3.49	0.45	0.01
A_51_P411200	NM_027391	lyd	70337	iodotyrosine deiodinase	-4.58	0.45	0.00
A_52_P572178	AK122246	D130043K2	210108	RIKEN cDNA D130043K22 gene	-2.98	0.45	0.02
A_52_P1197653	CB590277	Uvrag	78610	UV radiation resistance associated gene	-5.98	0.45	0.00
A_51_P391485	NM_008406	Itih1	16424	inter-alpha trypsin inhibitor, heavy chain 1	-7.59	0.45	0.00
A_52_P282905	XM_901524	NA	NA	NA	-4.03	0.45	0.00
A_52_P536494	NM_008709	Mycn	18109	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	-2.89	0.45	0.03
A_51_P486738	NM_010247	Xrcc6	14375	X-ray repair complementing defective repair in Chinese hamster cells 6	-4.13	0.44	0.00
A_52_P163515	XR_004420	NA	NA	NA	-3.48	0.44	0.01
A_52_P531175	NM_013902	Fkbp3	30795	FK506 binding protein 3	-3.80	0.44	0.00

A_51_P352264	NM_153056	Sirt7	209011	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (<i>S. cerevisiae</i>)	-7.39	0.44	0.00
A_52_P629333	NM_145608	BC021891	234878	cDNA sequence BC021891	-4.42	0.44	0.00
A_51_P447855	BC027795	Rnf160	78913	ring finger protein 160	-3.28	0.44	0.01
A_51_P448464	NM_010767	Masp2	17175	mannan-binding lectin serine peptidase 2	-6.01	0.44	0.00
A_51_P521176	NM_025886	Rassf7	66985	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7	-4.88	0.44	0.00
A_51_P501538	NM_009624	Adcy9	11515	adenylate cyclase 9	-3.07	0.44	0.02
A_52_P287811	AK051168	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	-3.95	0.44	0.00
A_52_P425734	NM_145146	Afm	280662	afamin	-4.27	0.44	0.00
A_51_P415555	NM_001042	Amy2a5	109959	amylase 2a5	-4.24	0.44	0.00
A_51_P498257	NM_025999	Rnf141	67150	ring finger protein 141	-5.12	0.44	0.00
A_51_P513719	NM_007671	Cdkn2c	12580	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-4.36	0.44	0.00
A_52_P534203	AK032463	Pias2	17344	protein inhibitor of activated STAT 2	-5.24	0.44	0.00
A_52_P241676	NM_023449	Slc9a3r2	65962	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	-3.16	0.44	0.01
A_51_P292736	NM_007654	Cd72	12517	CD72 antigen	-5.47	0.44	0.00
A_51_P508289	NM_010145	Ephx1	13849	epoxide hydrolase 1, microsomal	-2.79	0.44	0.04
A_51_P192955	BG921888	NA	NA	NA	-3.72	0.44	0.00
A_51_P291247	NM_008646	Cpamd8	17837	C3 and PZP-like, alpha-2-macroglobulin domain containing 8	-2.62	0.44	0.07
A_51_P513153	NM_008890	Pnmt	18948	phenylethanolamine-N-methyltransferase	-4.34	0.44	0.00
A_51_P133953	AV030849	NA	NA	NA	-7.52	0.44	0.00
A_51_P313635	NM_134420	Slc26a6	171429	solute carrier family 26, member 6	-3.67	0.44	0.00
A_51_P106527	NM_026633	Fam195a	68241	family with sequence similarity 195, member A	-2.86	0.44	0.03
A_52_P348038	NM_016663	Syt3	20981	synaptotagmin III	-6.82	0.44	0.00
A_51_P374457	NM_013541	Gstp1	14870	glutathione S-transferase, pi 1	-6.63	0.44	0.00
A_51_P195244	NM_029568	Mfap4	76293	microfibrillar-associated protein 4	-3.86	0.44	0.00
A_51_P499864	NM_134024	Tubg1	103733	tubulin, gamma 1	-2.71	0.44	0.05
A_51_P253320	NM_134257	Rgs3	50780	regulator of G-protein signaling 3	-3.38	0.44	0.01
A_51_P183261	NM_007474	Aqp8	11833	aquaporin 8	-2.61	0.44	0.07
A_52_P14600	AK144191	Cd72	12517	CD72 antigen	-5.41	0.44	0.00
A_51_P314273	X14206	Parp1	11545	poly (ADP-ribose) polymerase family, member 1	-3.30	0.44	0.01

A_51_P370341	NM_133879	Zbtb48	100090	zinc finger and BTB domain containing 48	-4.09	0.44	0.00
A_51_P167754	NM_011492	Stk11	20869	serine/threonine kinase 11	-6.08	0.44	0.00
A_51_P454196	AK008803	Sh2d4a	72281	SH2 domain containing 4A	-5.83	0.44	0.00
A_52_P417694	NM_027078	Ikbip	67454	IKBKB interacting protein solute carrier family 16 (monocarboxylic acid transporters), member 10	-3.87	0.44	0.00
A_51_P448618	AK165240	Slc16a10	72472	transporters), member 10	-3.40	0.44	0.01
A_51_P294994	NM_001008	Mxi1	17859	Max interacting protein 1	-4.77	0.44	0.00
A_51_P398235	BC079852	Dnajc11	230935	DnaJ (Hsp40) homolog, subfamily C, member 11	-2.76	0.44	0.05
A_52_P78023	NM_172397	Limd2	67803	LIM domain containing 2	-7.04	0.44	0.00
A_52_P273169	XM_994427	NA	NA	NA	-3.07	0.44	0.02
A_51_P160344	AK014046	Cenpv	73139	centromere protein V	-5.67	0.44	0.00
A_52_P611213	BC005604	Dnajc28	246738	DnaJ (Hsp40) homolog, subfamily C, member 28	-3.98	0.44	0.00
A_52_P338479	AK039015	Unc13b	22249	unc-13 homolog B (C. elegans)	-5.42	0.44	0.00
A_52_P482825	NM_019405	Cetn2	26370	centrin 2	-4.26	0.44	0.00
A_51_P478598	NM_010906	Nfix	18032	nuclear factor I/X	-3.51	0.44	0.01
A_51_P493522	NM_178929	Kazald1	107250	Kazal-type serine peptidase inhibitor domain 1	-3.78	0.44	0.00
A_52_P50478	NM_032543	Rnf123	84585	ring finger protein 123	-5.59	0.44	0.00
A_51_P436068	NM_007412	Gpr182	11536	G protein-coupled receptor 182	-2.74	0.44	0.05
A_52_P383526	NA	NA	NA	NA	-3.34	0.44	0.01
A_52_P464570	NM_177327	Wwp1	107568	WW domain containing E3 ubiquitin protein ligase 1	-3.36	0.44	0.01
A_51_P374752	NM_011255	Rbp4	19662	retinol binding protein 4, plasma	-5.96	0.44	0.00
A_52_P438084	NM_008860	Prkcz	18762	protein kinase C, zeta	-3.52	0.44	0.01
A_52_P551154	NA	NA	NA	NA	-3.57	0.44	0.01
A_52_P340136	X71478	Cyp4a10	13117	cytochrome P450, family 4, subfamily a, polypeptide 10	-3.15	0.44	0.01
A_52_P636724	AK078193	Lamp2	16784	lysosomal-associated membrane protein 2	-5.26	0.44	0.00
A_51_P485946	NM_010191	Fdft1	14137	farnesyl diphosphate farnesyl transferase 1	-3.91	0.44	0.00
A_51_P103209	NM_028639	Ttc7	225049	tetratricopeptide repeat domain 7 protein tyrosine phosphatase-like A domain containing 2	-3.56	0.44	0.01
A_51_P463120	NM_025760	Ptplad2	66775	2	-5.71	0.44	0.00
A_52_P202276	AK122556	BC057079	230393	cDNA sequence BC057079 succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	-3.48	0.44	0.01
A_51_P410823	NM_023281	Sdha	66945	flavoprotein (Fp)	-3.98	0.44	0.00

A_51_P282930	NM_011281	Rorc	19885	RAR-related orphan receptor gamma	-5.50	0.44	0.00
A_52_P307142	XM_895387	2210408F2	73652	RIKEN cDNA 2210408F21 gene	-4.12	0.44	0.00
A_51_P481788	NM_011949	Mapk1	26413	mitogen-activated protein kinase 1	-4.63	0.44	0.00
A_52_P129867	NM_177244	Fastkd1	320720	FAST kinase domains 1	-3.45	0.44	0.01
A_52_P431662	NM_024434	Lap3	66988	leucine aminopeptidase 3	-4.15	0.44	0.00
A_51_P273979	NM_007681	Cenpa	12615	centromere protein A	-4.24	0.44	0.00
A_52_P229997	NM_013926	Cbx8	30951	chromobox homolog 8 (Drosophila Pc class) solute carrier family 39 (metal ion transporter), member	-3.97	0.44	0.00
A_51_P334093	NM_026228	Slc39a8	67547	8	-3.73	0.44	0.00
A_51_P243122	NM_001029	Sec14l3	380683	SEC14-like 3 (S. cerevisiae)	-4.27	0.44	0.00
A_51_P256842	NM_029887	Yif1b	77254	Yip1 interacting factor homolog B (S. cerevisiae)	-6.80	0.44	0.00
A_52_P392833	NA	NA	NA	NA	-4.66	0.44	0.00
A_52_P132165	NM_053262	Hsd17b11	114664	hydroxysteroid (17-beta) dehydrogenase 11	-5.12	0.44	0.00
A_51_P402393	NM_178741	Klhl8	246293	kelch-like 8 (Drosophila)	-6.93	0.44	0.00
A_52_P663666	AK085506	4933404O1	66752	RIKEN cDNA 4933404O12 gene	-4.07	0.44	0.00
A_51_P495986	NM_025508	Gmpr	66355	guanosine monophosphate reductase NADH dehydrogenase (ubiquinone) 1 beta subcomplex,	-3.75	0.44	0.00
A_51_P201904	NM_025316	Ndufb5	66046	5	-5.13	0.44	0.00
A_51_P457446	NM_019546	Prodh2	56189	proline dehydrogenase (oxidase) 2	-4.30	0.44	0.00
A_51_P168439	AK004187	Klhl24	75785	kelch-like 24 (Drosophila)	-2.76	0.44	0.05
A_52_P494841	NA	NA	NA	NA	-4.46	0.44	0.00
A_52_P438682	BC064745	Wdr33	74320	WD repeat domain 33 N(alpha)-acetyltransferase 10, NatA catalytic	-7.19	0.44	0.00
A_51_P195324	NM_019870	Naa10	56292	subunit Nalpha acetyltransferase 10	-4.82	0.44	0.00
A_52_P54516	NM_029752	Bri3bp	76809	Bri3 binding protein	-4.23	0.44	0.00
A_52_P472319	AK147513	Plxnd1	67784	plexin D1	-3.61	0.44	0.01
A_51_P314186	NM_001079	Syne1	64009	synaptic nuclear envelope 1	-4.04	0.44	0.00
A_51_P332602	NM_013677	Surf1	20930	surfeit gene 1	-3.84	0.44	0.00
A_51_P406429	NM_172665	Pdk1	228026	pyruvate dehydrogenase kinase, isoenzyme 1	-2.62	0.44	0.07
A_52_P496532	NA	NA	NA	NA	-3.73	0.44	0.00
A_51_P266763	NM_007998	Fech	14151	ferrochelatase	-4.71	0.44	0.00
A_51_P172692	NM_017478	Copg2	54160	coatomer protein complex, subunit gamma 2 SHC (Src homology 2 domain containing) transforming	-6.00	0.44	0.00
A_52_P104108	BC059866	Shc2	216148	protein 2	-3.30	0.44	0.01

				peptidase domain containing associated with muscle			
A_51_P212592	NM_173749	Pamr1	210622	regeneration 1	-5.14	0.44	0.00
A_52_P121192	NM_145613	C1qtnf5	235312	C1q and tumor necrosis factor related protein 5	-3.59	0.44	0.01
A_51_P333099	NM_025544	Mrps15	66407	mitochondrial ribosomal protein S15	-4.32	0.44	0.00
A_51_P370315	NM_011937	Gnpda1	26384	glucosamine-6-phosphate deaminase 1	-3.38	0.44	0.01
A_52_P223508	AK081581	6720401G1103012		RIKEN cDNA 6720401G13 gene	-5.57	0.44	0.00
A_52_P618501	NM_144913	Mepce	231803	methylphosphate capping enzyme	-5.04	0.44	0.00
A_52_P326808	NM_026875	Ypel3	66090	yippee-like 3 (Drosophila)	-4.52	0.44	0.00
A_51_P220162	NM_008716	Notch3	18131	Notch gene homolog 3 (Drosophila)	-7.16	0.44	0.00
A_52_P853177	NM_011923	Angptl2	26360	angiopoietin-like 2	-6.07	0.44	0.00
A_52_P163820	NM_028310	2810006K272650		RIKEN cDNA 2810006K23 gene	-3.01	0.44	0.02
A_51_P261428	D86344	Pdcd4	18569	programmed cell death 4	-5.39	0.44	0.00
A_51_P278427	NM_146051	3830406C1218734		RIKEN cDNA 3830406C13 gene	-3.48	0.44	0.01
A_51_P246744	NM_021435	Slc35b4	58246	solute carrier family 35, member B4	-3.90	0.44	0.00
A_52_P300344	AK128969	Pm20d1	212933	peptidase M20 domain containing 1	-3.21	0.44	0.01
A_52_P34494	NM_028835	Atg7	74244	autophagy-related 7 (yeast)	-6.15	0.43	0.00
A_52_P45841	NM_028976	Gorasp1	74498	golgi reassembly stacking protein 1	-3.83	0.43	0.00
A_51_P410715	NM_018805	Hs3st3b1	54710	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-5.98	0.43	0.00
A_51_P164987	NM_001039	Tmem120b	330189	transmembrane protein 120B	-3.87	0.43	0.00
A_51_P336622	NM_021428	Dexi	58239	dexamethasone-induced transcript	-4.93	0.43	0.00
A_51_P188271	NM_054042	Cd248	70445	CD248 antigen, endosialin	-3.46	0.43	0.01
A_51_P392214	AK136802	1810048J1	67708	RIKEN cDNA 1810048J11 gene	-4.14	0.43	0.00
A_52_P637418	AK147993	Wdr25	212198	WD repeat domain 25	-4.43	0.43	0.00
A_51_P428345	NM_020007	Mbnl1	56758	muscleblind-like 1 (Drosophila)	-4.19	0.43	0.00
A_52_P118161	AK147680	Lss	16987	lanosterol synthase	-3.71	0.43	0.00
A_51_P126626	NM_145459	Zfp503	218820	zinc finger protein 503	-4.67	0.43	0.00
A_52_P572537	NM_001005	Mreg	381269	melanoregulin	-4.40	0.43	0.00
A_51_P435858	NA	NA	NA	NA	-4.24	0.43	0.00
A_52_P533402	NM_001024	Zfp607	545938	zinc finger protein 607	-2.73	0.43	0.05
A_51_P216496	NM_009364	Tfpi2	21789	tissue factor pathway inhibitor 2	-3.30	0.43	0.01
A_51_P257832	NM_009479	Uros	22276	uroporphyrinogen III synthase	-3.48	0.43	0.01
A_51_P441387	NM_177645	1110028C1	68691	RIKEN cDNA 1110028C15 gene	-4.51	0.43	0.00
A_51_P483159	NM_177157	Gchfr	320415	GTP cyclohydrolase I feedback regulator	-7.26	0.43	0.00

A_51_P436254	AK003775	1110018F1	68594	RIKEN cDNA 1110018F16 gene	-3.32	0.43	0.01
A_52_P663602	NM_015733	Casp9	12371	caspase 9	-5.61	0.43	0.00
A_52_P485850	XM_976153	NA	NA	NA	-3.89	0.43	0.00
A_51_P344301	AK021019	Svil	225115	supervillin	-3.94	0.43	0.00
A_52_P183598	NM_001025!	BC026782	545366	cDNA sequence BC026782 processing of precursor 5, ribonuclease P/MRP family (S. cerevisiae)	-4.84	0.43	0.00
A_51_P490204	NM_026398	Pop5	117109	(S. cerevisiae)	-4.40	0.43	0.00
A_51_P361328	AK005483	NA	NA	NA	-5.69	0.43	0.00
A_51_P384936	NM_027442	Ddo	70503	D-aspartate oxidase	-2.86	0.43	0.03
A_51_P394014	NM_133686	Qprt	67375	quinolinate phosphoribosyltransferase	-4.15	0.43	0.00
A_51_P120674	NM_013508	Elk3	13713	ELK3, member of ETS oncogene family	-3.34	0.43	0.01
A_51_P324097	NM_207682	Kif1b	16561	kinesin family member 1B	-4.33	0.43	0.00
A_51_P177659	NM_026622	3110057O1	269423	RIKEN cDNA 3110057O12 gene	-3.42	0.43	0.01
A_51_P299709	AK017111	4933438K2	71270	RIKEN cDNA 4933438K21 gene	-5.42	0.43	0.00
A_51_P242166	NM_024434	Lap3	66988	leucine aminopeptidase 3	-4.07	0.43	0.00
A_51_P184796	NM_009542	Zfp101	22643	zinc finger protein 101	-3.33	0.43	0.01
A_52_P662001	NM_025292	Synj2bp	24071	synaptojanin 2 binding protein	-5.19	0.43	0.00
A_52_P221887	NM_175099	Repin1	58887	replication initiator 1	-5.35	0.43	0.00
A_51_P459944	NM_011545	Tcf21	21412	transcription factor 21	-4.16	0.43	0.00
A_51_P148314	NM_172543	Fam117a	215512	family with sequence similarity 117, memberA	-3.58	0.43	0.01
A_52_P326548	NM_175276	Fhod3	225288	formin homology 2 domain containing 3	-3.62	0.43	0.00
A_51_P191087	U33198	Cep250	16328	centrosomal protein 250	-5.51	0.43	0.00
A_51_P470432	NM_019417	Pdlim4	30794	PDZ and LIM domain 4	-5.21	0.43	0.00
A_51_P218137	AK008925	Mettl7a1	70152	methyltransferase like 7A1	-5.53	0.43	0.00
A_51_P124126	NM_019823	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-3.59	0.43	0.01
A_52_P576049	NM_010565	Inhbc	16325	inhibin beta-C	-3.49	0.43	0.01
A_52_P618417	NA	NA	NA	NA	-3.58	0.43	0.01
A_52_P118495	AK035049	Kdsr	70750	3-ketodihydrosphingosine reductase	-5.20	0.43	0.00
A_52_P305307	NM_011894	Sh3bp5	24056	SH3-domain binding protein 5 (BTK-associated)	-4.49	0.43	0.00
A_51_P327796	NM_010580	Itgb5	16419	integrin beta 5	-4.18	0.43	0.00
A_51_P275395	NM_133734	Dcaf11	28199	DDB1 and CUL4 associated factor 11	-3.40	0.43	0.01
A_51_P335419	NM_027945	Csl	71832	citrate synthase like	-8.85	0.43	0.00
A_52_P160209	NM_139302	Sh3glb2	227700	SH3-domain GRB2-like endophilin B2	-5.05	0.43	0.00

A_51_P266861	NM_008615	Me1	17436	malic enzyme 1, NADP(+)-dependent, cytosolic	-3.37	0.43	0.01
A_51_P513992	NM_139151	Spag4	245865	sperm associated antigen 4	-6.41	0.43	0.00
A_51_P290986	NM_007856	Dhcr7	13360	7-dehydrocholesterol reductase	-4.10	0.43	0.00
A_51_P245414	NM_010639	Klk1	16612	kallikrein 1	-5.32	0.43	0.00
A_51_P279064	NM_198167	Tmem63b	224807	transmembrane protein 63b	-5.72	0.43	0.00
A_52_P179068	NM_017469	Gucy1b3	54195	guanylate cyclase 1, soluble, beta 3	-4.03	0.43	0.00
A_51_P308029	NM_027251	2010107G2	69894	RIKEN cDNA 2010107G23 gene	-3.84	0.43	0.00
A_51_P177762	NM_153133	Rdh9	103142	retinol dehydrogenase 9	-3.65	0.43	0.00
A_51_P411316	NM_011477	Sprp2k	20765	small proline-rich protein 2K	-3.80	0.43	0.00
A_52_P661044	NM_009914	Ccr3	12771	chemokine (C-C motif) receptor 3	-4.75	0.43	0.00
A_52_P273098	NM_018861	Slc1a4	55963	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	-4.07	0.43	0.00
A_51_P158876	NM_023203	Dctpp1	66422	dCTP pyrophosphatase 1	-5.28	0.43	0.00
A_52_P671525	NM_175446	Zmat1	215693	zinc finger, matrin type 1	-2.97	0.43	0.02
A_51_P474709	AK008216	Ccdc109a	215999	coiled-coil domain containing 109A	-5.92	0.43	0.00
A_52_P609778	NM_011844	Mgll	23945	monoglyceride lipase	-2.64	0.43	0.07
A_51_P341349	NM_024433	Mtap	66902	methylthioadenosine phosphorylase	-2.89	0.43	0.03
A_51_P327564	NM_009752	Glb1	12091	galactosidase, beta 1	-5.26	0.43	0.00
A_52_P611000	NM_016903	Esd	13885	esterase D/formylglutathione hydrolase	-6.83	0.43	0.00
A_51_P456699	NM_146795	Olf812	258791	olfactory receptor 812	-3.68	0.43	0.00
A_51_P440923	AK009333	2310014D1	169633	RIKEN cDNA 2310014D11 gene	-4.68	0.43	0.00
A_52_P519943	BC044804	Fads6	328035	fatty acid desaturase domain family, member 6	-3.72	0.43	0.00
A_52_P680935	NM_001048	Ghr	14600	growth hormone receptor	-5.96	0.43	0.00
A_51_P183446	NM_001039	Ceacam1	26365	carcinoembryonic antigen-related cell adhesion molecule 1	-3.19	0.43	0.01
A_52_P395228	NM_008710	Nnt	18115	nicotinamide nucleotide transhydrogenase	-2.65	0.43	0.06
A_51_P408410	NM_008906	Ctsa	19025	cathepsin A	-2.79	0.43	0.04
A_51_P185660	NM_011338	Ccl9	20308	chemokine (C-C motif) ligand 9	-4.25	0.43	0.00
A_51_P487818	NM_017399	Fabp1	14080	fatty acid binding protein 1, liver	-4.75	0.43	0.00
A_51_P510722	NM_029096	1110008J0	100764	RIKEN cDNA 1110008J03 gene	-5.95	0.43	0.00
A_51_P157033	NM_178692	C130074G1	226777	RIKEN cDNA C130074G19 gene	-4.06	0.43	0.00
A_51_P125648	AK153937	Vwce	71768	von Willebrand factor C and EGF domains	-2.86	0.43	0.03
A_51_P153053	NM_020561	Smpd3a	57319	sphingomyelin phosphodiesterase, acid-like 3A	-4.73	0.43	0.00
A_51_P237585	NM_172793	Btnl9	237754	butyrophilin-like 9	-6.85	0.43	0.00

A_51_P130057	NM_175523	Ppm1k	243382	protein phosphatase 1K (PP2C domain containing) phospholysine phosphohistidine inorganic	-3.91	0.43	0.00
A_51_P286946	NM_029609	Lhpp	76429	pyrophosphate phosphatase	-3.73	0.43	0.00
A_51_P410892	NM_026065	D10Ertd32	67270	DNA segment, Chr 10, ERATO Doi 322, expressed	-5.92	0.43	0.00
A_51_P256902	NM_031884	Abcg5	27409	ATP-binding cassette, sub-family G (WHITE), member 5	-4.07	0.43	0.00
A_51_P338413	NM_019992	Stap1	56792	signal transducing adaptor family member 1	-4.01	0.43	0.00
A_51_P378932	NM_025977	Ccdc159	67119	coiled-coil domain containing 159	-4.00	0.43	0.00
A_52_P425860	BC026481	lqsec1	232227	IQ motif and Sec7 domain 1	-6.25	0.43	0.00
A_51_P502993	NM_027480	Ankrd24	70615	ankyrin repeat domain 24	-3.04	0.43	0.02
A_51_P193302	NM_025305	Mrps7	50529	mitochondrial ribosomal protein S7	-2.71	0.42	0.05
A_51_P108948	NM_019715	Kcmf1	74287	potassium channel modulatory factor 1	-5.34	0.42	0.00
A_52_P237899	NM_029432	4930402H2	228602	RIKEN cDNA 4930402H24 gene	-3.34	0.42	0.01
A_52_P175679	NM_001007	Gm13023	194227	predicted gene 13023	-5.35	0.42	0.00
A_51_P334318	NM_027363	2010110P0	70261	RIKEN cDNA 2010110P09 gene	-4.84	0.42	0.00
A_51_P484551	AF072757	Slc27a2	26458	solute carrier family 27 (fatty acid transporter), member 2	-2.62	0.42	0.07
A_52_P220163	NA	NA	NA	NA	-3.65	0.42	0.00
A_52_P716154	AV242843	NA	NA	NA	-3.07	0.42	0.02
A_52_P224323	NM_001013	Pard3	93742	par-3 (partitioning defective 3) homolog (C. elegans)	-4.96	0.42	0.00
A_51_P374468	NM_008220	Hbb-b1	15129	hemoglobin, beta adult major chain	-2.62	0.42	0.07
A_51_P140350	NM_030221	Nadsyn1	78914	NAD synthetase 1	-3.65	0.42	0.00
A_51_P349825	NM_026411	1700021F0	67851	RIKEN cDNA 1700021F05 gene	-5.35	0.42	0.00
A_52_P491842	NM_023336	Brd3	67382	bromodomain containing 3	-5.37	0.42	0.00
A_52_P104782	NM_025784	Bcs1l	66821	BCS1-like (yeast)	-3.40	0.42	0.01
A_51_P354461	AK172999	Tbc1d9b	76795	TBC1 domain family, member 9B	-5.35	0.42	0.00
A_52_P484838	NM_011266	Rfxank	19727	regulatory factor X-associated ankyrin-containing protein	-3.70	0.42	0.00
A_52_P271200	NM_029296	1700001C1	75462	RIKEN cDNA 1700001C19 gene	-5.75	0.42	0.00
A_52_P38157	NM_008866	Lypla1	18777	lysophospholipase 1	-3.19	0.42	0.01
A_52_P261846	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-5.63	0.42	0.00
A_51_P418935	AK004524	Neurl2	415115	neuralized-like 2 (Drosophila)	-3.89	0.42	0.00

A_51_P386612	NM_027153	Pir	69656	pirin	-5.91	0.42	0.00
A_52_P55651	NM_175437	Pion	212167	pigeon homolog (Drosophila) solute carrier organic anion transporter family, member	-2.64	0.42	0.06
A_51_P315931	AF323958	Slco2a1	24059	2a1	-9.26	0.42	0.00
A_52_P355934	NM_010863	Myo1b	17912	myosin IB	-4.24	0.42	0.00
A_51_P107265	NM_019718	Arl3	56350	ADP-ribosylation factor-like 3	-4.74	0.42	0.00
A_52_P593037	NM_027976	Acsl5	433256	acyl-CoA synthetase long-chain family member 5	-3.40	0.42	0.01
A_52_P244132	NM_025478	Isoc1	66307	isochorismatase domain containing 1	-5.08	0.42	0.00
A_52_P456561	NM_007435	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-5.13	0.42	0.00
A_51_P297336	NM_134078	Chmp7	105513	CHMP family, member 7	-4.94	0.42	0.00
A_51_P298843	NM_028281	Pcbd2	72562	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	-3.65	0.42	0.00
A_52_P591153	NM_178911	Pld4	104759	phospholipase D family, member 4	-6.28	0.42	0.00
A_51_P199993	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3	-4.27	0.42	0.00
A_51_P407977	NM_146226	Apeh	235606	acylpeptide hydrolase	-5.18	0.42	0.00
A_52_P157450	NM_021304	Abhd1	57742	abhydrolase domain containing 1	-2.66	0.42	0.05
A_52_P405090	BC066818	Polr3g	67486	polymerase (RNA) III (DNA directed) polypeptide G	-3.15	0.42	0.01
A_51_P269793	AK033780	NA	NA	NA	-5.58	0.42	0.00
A_51_P329322	NM_025512	Zfand1	66361	zinc finger, AN1-type domain 1	-4.40	0.42	0.00
A_52_P243516	NM_201361	Fam82a1	381110	family with sequence similarity 82, member A1	-4.37	0.42	0.00
A_52_P665197	NA	NA	NA	NA	-3.31	0.42	0.01
A_51_P355906	NM_021099	Kit	16590	kit oncogene	-4.42	0.42	0.00
A_52_P619911	AK041604	Dact2	240025	dapper homolog 2, antagonist of beta-catenin (xenopus)	-3.21	0.42	0.01
A_51_P386503	NM_026185	Abhd15	67477	abhydrolase domain containing 15	-3.14	0.42	0.01
A_52_P123018	NM_010498	Ids	15931	iduronate 2-sulfatase	-3.90	0.42	0.00
A_51_P420547	NM_172621	Clic5	224796	chloride intracellular channel 5	-5.97	0.42	0.00
A_52_P27496	NM_198423	Bahcc1	268515	BAH domain and coiled-coil containing 1 PH domain and leucine rich repeat protein phosphatase	-3.78	0.42	0.00
A_51_P156158	XM_129968	Phlpp1	98432	1	-3.28	0.42	0.01
A_51_P220343	NM_018865	Wisp1	22402	WNT1 inducible signaling pathway protein 1	-4.27	0.42	0.00

				Bernardinelli-Seip congenital lipodystrophy 2 homolog			
A_51_P196526	NM_008144	Bscl2	14705	(human)	-4.21	0.42	0.00
A_52_P574306	NM_023114	Apoc3	11814	apolipoprotein C-III	-3.73	0.42	0.00
A_52_P268764	NM_001038	Fn3k	63828	fructosamine 3 kinase	-6.71	0.42	0.00
A_51_P227108	NM_029752	Bri3bp	76809	Bri3 binding protein	-4.14	0.42	0.00
A_51_P497006	NM_053188	Srd5a2	94224	steroid 5 alpha-reductase 2	-3.03	0.42	0.02
A_51_P331328	NM_026730	Gpihbp1	68453	GPI-anchored HDL-binding protein 1	-3.40	0.42	0.01
A_52_P521042	NM_153557	BC029214	227622	cDNA sequence BC029214	-5.43	0.42	0.00
A_52_P101333	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	-5.34	0.42	0.00
A_51_P423680	NM_144829	Aarsd1	69684	alanyl-tRNA synthetase domain containing 1	-3.11	0.42	0.01
A_51_P357533	NM_172614	Tmem44	224090	transmembrane protein 44	-4.90	0.42	0.00
A_51_P466478	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-5.59	0.42	0.00
A_51_P258409	NM_010423	Hey1	15213	hairy/enhancer-of-split related with YRPW motif 1	-5.28	0.42	0.00
A_52_P374395	NA	NA	NA	NA	-3.30	0.42	0.01
A_51_P430950	NM_009041	Rdx	19684	radixin	-2.90	0.42	0.03
				mitochondrial translation optimization 1 homolog (S.			
A_51_P173906	NM_026658	Mto1	68291	cerevisiae)	-3.95	0.42	0.00
A_51_P162188	NM_172600	6720456H2	218989	RIKEN cDNA 6720456H20 gene	-3.10	0.42	0.02
A_52_P605129	NM_178239	NA	NA	NA	-5.55	0.42	0.00
A_52_P577084	AK019597	NA	NA	NA	-4.61	0.42	0.00
A_51_P488039	NM_011494	Stk16	20872	serine/threonine kinase 16	-3.20	0.42	0.01
A_52_P15490	NM_021496	Pvrl3	58998	poliovirus receptor-related 3	-4.39	0.42	0.00
A_52_P384394	NM_138313	Bmf	171543	BCL2 modifying factor	-3.11	0.42	0.01
A_51_P219721	NM_025942	Ola1	67059	Obg-like ATPase 1	-3.78	0.42	0.00
A_52_P568257	NM_019972	Sort1	20661	sortilin 1	-4.10	0.42	0.00
A_52_P346037	NM_013777	Akr1c12	622402	aldo-keto reductase family 1, member C12	-6.27	0.42	0.00
A_52_P680941	NM_001048	Ghr	14600	growth hormone receptor	-4.53	0.42	0.00
A_51_P411264	NM_172597	Txndc16	70561	thioredoxin domain containing 16	-4.45	0.42	0.00
A_51_P107433	NM_053162	Mrpl34	94065	mitochondrial ribosomal protein L34	-3.89	0.42	0.00
A_52_P560797	NM_025999	Rnf141	67150	ring finger protein 141	-4.88	0.42	0.00
A_52_P134146	NM_001076	1810012P1	66274	RIKEN cDNA 1810012P15 gene	-4.18	0.42	0.00
A_51_P174422	NM_013761	Srr	27364	serine racemase	-3.55	0.42	0.01
A_52_P669996	NM_029239	Prkd3	75292	protein kinase D3	-3.56	0.42	0.01

A_52_P32081	NM_175357	Crbn	58799	cereblon nicotinate phosphoribosyltransferase domain	-5.33	0.42	0.00
A_51_P414115	NM_172607	Naprt1	223646	containing 1	-4.08	0.42	0.00
A_51_P443339	NM_133960	Ces6	102022	carboxylesterase 6	-4.14	0.42	0.00
A_52_P485433	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-4.66	0.42	0.00
A_51_P391764	NM_028763	Cbx6	494448	chromobox homolog 6	-3.83	0.42	0.00
A_52_P547662	NM_008772	P2ry1	18441	purinergic receptor P2Y, G-protein coupled 1	-4.31	0.42	0.00
A_51_P427476	NM_024263	Mxra8	74761	matrix-remodelling associated 8	-4.46	0.42	0.00
A_51_P389905	NM_013881	Ulk2	29869	Unc-51 like kinase 2 (C. elegans)	-4.02	0.42	0.00
A_51_P159902	XM_132325	AU042671	269700	expressed sequence AU042671	-3.25	0.42	0.01
A_51_P469160	NM_021557	Rdh11	17252	retinol dehydrogenase 11	-3.70	0.42	0.00
A_51_P390260	NM_026444	Cs	12974	citrate synthase	-8.36	0.41	0.00
A_51_P171965	NM_026503	1110058L1	68002	RIKEN cDNA 1110058L19 gene nudix (nucleoside diphosphate linked moiety X)-type motif 13	-4.46	0.41	0.00
A_52_P13568	NM_026341	Nudt13	67725	RIKEN cDNA 3110057O12 gene	-9.05	0.41	0.00
A_52_P500622	NM_026622	3110057O12	269423	ring finger protein 141	-5.16	0.41	0.00
A_51_P275845	NM_025999	Rnf141	67150	lecithin-retinol acyltransferase (phosphatidylcholine- retinol-O-acyltransferase)	-4.29	0.41	0.00
A_51_P350033	NM_023624	Lrat	79235	brain protein 44	-3.11	0.41	0.01
A_51_P103975	NM_027430	Brp44	70456		-8.04	0.41	0.00
A_51_P267063	NM_144845	Ugt3a2	223337	UDP glycosyltransferases 3 family, polypeptide A2	-2.79	0.41	0.04
A_52_P551496	NM_026756	Nfic	18029	nuclear factor I/C	-2.97	0.41	0.02
A_51_P188108	NM_008480	Lama1	16772	laminin, alpha 1	-5.75	0.41	0.00
A_51_P476492	XM_893473	NA	NA	NA	-3.19	0.41	0.01
A_52_P453650	NA	NA	NA	NA	-3.93	0.41	0.00
A_51_P475995	NM_178060	Thra	21833	thyroid hormone receptor alpha	-4.33	0.41	0.00
A_52_P55732	NM_011883	Rnf13	24017	ring finger protein 13 EGF-like module containing, mucin-like, hormone receptor-like sequence 4	-4.27	0.41	0.00
A_51_P286357	NM_139138	Emr4	52614	acid phosphatase-like 2	-4.88	0.41	0.00
A_51_P124784	NM_153420	Acpl2	235534	phytanoyl-CoA dioxygenase domain containing 1	-4.64	0.41	0.00
A_51_P357606	NM_172267	Phyhd1	227696	phytanoyl-CoA dioxygenase domain containing 1	-3.63	0.41	0.00
A_51_P215922	NM_009811	Casp6	12368	caspase 6	-3.65	0.41	0.00
A_52_P382325	NM_001039	Ahnak	66395	AHNAK nucleoprotein (desmoyokin)	-2.84	0.41	0.03

A_51_P300337	NM_007792	Csrp2	13008	cysteine and glycine-rich protein 2	-4.47	0.41	0.00
A_51_P237752	NM_008986	Ptrf	19285	polymerase I and transcript release factor	-4.12	0.41	0.00
A_52_P172283	NM_130892	Rtn4ip1	170728	reticulon 4 interacting protein 1	-5.72	0.41	0.00
A_52_P432919	NM_031874	Rab3d	19340	RAB3D, member RAS oncogene family	-4.13	0.41	0.00
A_51_P163906	AK029828	Tln2	70549	talin 2	-4.46	0.41	0.00
A_52_P668393	AK028994	Cyhr1	54151	cysteine and histidine rich 1	-4.78	0.41	0.00
A_51_P257762	NM_020005	Kat2b	18519	K(lysine) acetyltransferase 2B	-4.32	0.41	0.00
A_52_P535946	NM_007856	Dhcr7	13360	7-dehydrocholesterol reductase	-5.27	0.41	0.00
A_52_P138727	NM_153056	Sirt7	209011	sirtuin 7 (silent mating type information regulation 2, homolog) 7 (<i>S. cerevisiae</i>)	-8.92	0.41	0.00
A_51_P465273	NM_001029	Mett11d1	52535	methyltransferase 11 domain containing 1	-4.87	0.41	0.00
A_52_P1085754	BC079676	8430419L0	74525	RIKEN cDNA 8430419L09 gene	-3.99	0.41	0.00
A_51_P407323	NM_007976	F5	14067	coagulation factor V	-3.48	0.41	0.01
A_51_P496023	NM_007453	Prdx6	11758	peroxiredoxin 6	-4.84	0.41	0.00
A_51_P232868	NM_176995	EG240055	240055	predicted gene, EG240055	-6.50	0.41	0.00
A_52_P323151	CD539668	NA	NA	NA	-6.25	0.41	0.00
A_52_P590396	NM_019972	Sort1	20661	sortilin 1	-3.44	0.41	0.01
A_51_P361150	AK002772	Pcp4l1	66425	Purkinje cell protein 4-like 1	-2.80	0.41	0.04
A_52_P77093	NM_028166	1600014C1	72244	RIKEN cDNA 1600014C10 gene	-4.60	0.41	0.00
A_52_P488011	NA	NA	NA	NA	-3.18	0.41	0.01
A_51_P167097	AK038845	Crebl2	232430	cAMP responsive element binding protein-like 2	-3.68	0.41	0.00
A_51_P488422	NM_029475	Adal	75894	adenosine deaminase-like	-3.34	0.41	0.01
A_52_P83252	NM_008281	Hpn	15451	hepsin	-5.05	0.41	0.00
A_52_P239536	NM_181595	Ppp1r9a	243725	protein phosphatase 1, regulatory (inhibitor) subunit 9A	-3.65	0.41	0.00
A_51_P475741	NM_008866	Lypla1	18777	lysophospholipase 1	-3.61	0.41	0.01
A_51_P196596	NM_030706	Trim2	80890	tripartite motif-containing 2	-3.21	0.41	0.01
A_51_P367240	NM_146173	Tspan33	232670	tetraspanin 33	-4.95	0.41	0.00
A_52_P33147	AK086149	Sox5	20678	SRY-box containing gene 5	-5.80	0.41	0.00
A_51_P157902	NM_009902	Cldn3	12739	claudin 3	-2.86	0.41	0.03
A_52_P229972	NM_009202	Slc22a1	20517	solute carrier family 22 (organic cation transporter), member 1	-5.25	0.41	0.00
A_51_P327451	NM_009653	Alas2	11656	aminolevulinic acid synthase 2, erythroid	-5.28	0.41	0.00
A_52_P545181	NM_021371	Caln1	140904	calneuron 1	-4.17	0.41	0.00

A_51_P438865	NM_025928 Pmf1	67037	polyamine-modulated factor 1	-5.66	0.41	0.00
A_51_P165934	NM_008831 Phb	18673	prohibitin	-4.46	0.41	0.00
A_52_P489373	NM_173788 Npr2	230103	natriuretic peptide receptor 2	-4.94	0.41	0.00
A_52_P656565	NM_145488 Pex6	224824	peroxisomal biogenesis factor 6	-3.69	0.41	0.00
A_52_P156540	NM_013861 Tpk1	29807	thiamine pyrophosphokinase	-3.17	0.41	0.01
A_52_P325819	AK137406 Yy1	22632	YY1 transcription factor	-4.39	0.41	0.00
A_52_P380997	NA NA	NA	NA	-5.51	0.41	0.00
A_52_P414485	AK164057 Rab23	19335	RAB23, member RAS oncogene family	-5.39	0.41	0.00
A_51_P322801	NM_031877 Wasf1	83767	WASP family 1	-4.94	0.41	0.00
A_51_P518488	NM_007512 Atpif1	11983	ATPase inhibitory factor 1	-4.85	0.41	0.00
A_52_P6045	NM_029522 Gpsm2	76123	G-protein signalling modulator 2 (AGS3-like, C. elegans)	-4.54	0.41	0.00
A_51_P247441	NM_144870 Ndufs8	225887	NADH dehydrogenase (ubiquinone) Fe-S protein 8	-7.97	0.41	0.00
A_52_P576041	NM_016846 Rgl1	19731	ral guanine nucleotide dissociation stimulator,-like 1	-4.87	0.41	0.00
A_51_P479311	NM_010358 Gstm1	14862	glutathione S-transferase, mu 1	-2.92	0.41	0.03
A_51_P305320	NM_175383 B3gnt1	108902	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	-4.64	0.41	0.00
A_52_P655532	NM_018817 Smarcal1	54380	SWI/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	-5.83	0.41	0.00
A_52_P466907	NM_026276 Aasdhppt	67618	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	-4.03	0.41	0.00
A_52_P68175	NM_001033: C77080	97130	expressed sequence C77080	-4.41	0.41	0.00
A_52_P307893	NM_054051 Pip4k2b	108083	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	-4.89	0.41	0.00
A_52_P484691	NM_026246 Mrpl49	18120	mitochondrial ribosomal protein L49	-3.73	0.41	0.00
A_51_P193093	NM_008819 Pemt	18618	phosphatidylethanolamine N-methyltransferase	-3.93	0.41	0.00
A_52_P989584	NA NA	NA	NA	-6.97	0.41	0.00
A_52_P185014	NM_145152 Lrrc3	237387	leucine rich repeat containing 3	-7.57	0.41	0.00
A_52_P449768	NM_025939 Paics	67054	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase	-4.36	0.41	0.00

A_52_P185639	NM_175137	Vars2	68915	valyl-tRNA synthetase 2, mitochondrial (putative)	-3.43	0.41	0.01
A_51_P135012	NM_027897	Rhpn2	52428	rhophilin, Rho GTPase binding protein 2	-3.64	0.41	0.00
A_52_P400224	NM_016892	Ccs	12460	copper chaperone for superoxide dismutase	-6.77	0.41	0.00
A_51_P197509	NM_153594	Pcmt2	245867	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	-4.91	0.41	0.00
A_52_P98531	BC031139	Nlrp6	101613	NLR family, pyrin domain containing 6	-4.13	0.41	0.00
A_51_P343900	NM_009532	Xrcc1	22594	X-ray repair complementing defective repair in Chinese hamster cells 1	-3.56	0.41	0.01
A_51_P217382	AK173007	Kif1c	16562	kinesin family member 1C	-5.44	0.41	0.00
A_51_P241465	NM_146120	Gsn	227753	gelsolin	-3.82	0.41	0.00
A_51_P177984	NM_207217	Itfg3	106581	integrin alpha FG-GAP repeat containing 3	-4.35	0.40	0.00
A_52_P333902	NM_001033	Slc4a7	218756	solute carrier family 4, sodium bicarbonate cotransporter, member 7	-4.28	0.40	0.00
A_52_P351574	NM_019677	Plcb1	18795	phospholipase C, beta 1	-2.93	0.40	0.02
A_51_P342200	XM_134476	2310039D2	75704	RIKEN cDNA 2310039D24 gene	-4.03	0.40	0.00
A_51_P385598	NM_008063	Slc37a4	14385	solute carrier family 37 (glucose-6-phosphate transporter), member 4	-3.04	0.40	0.02
A_51_P176769	XM_355812	Lpar5	381810	lysophosphatidic acid receptor 5	-3.55	0.40	0.01
A_51_P178887	NM_008642	Mttp	17777	microsomal triglyceride transfer protein	-3.58	0.40	0.01
A_51_P331737	NM_146197	Acsm2	233799	acyl-CoA synthetase medium-chain family member 2	-4.00	0.40	0.00
A_51_P451759	BC020147	Rab3il1	74760	RAB3A interacting protein (rabin3)-like 1	-7.91	0.40	0.00
A_51_P432420	NM_009734	Azi1	12009	5-azacytidine induced gene 1	-3.51	0.40	0.01
A_52_P496810	NM_011734	Siae	22619	sialic acid acetyltransferase	-5.21	0.40	0.00
A_52_P589754	NM_207675	Cadm1	54725	cell adhesion molecule 1	-3.00	0.40	0.02
A_51_P284997	NM_016973	St6galnac6	50935	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	-4.82	0.40	0.00
A_52_P636999	XM_129951	NA	NA	NA	-5.39	0.40	0.00
A_51_P114456	AK018110	2210012G0	66526	RIKEN cDNA 2210012G02 gene	-6.54	0.40	0.00
A_51_P439645	NM_029296	1700001C1	75462	RIKEN cDNA 1700001C19 gene	-3.75	0.40	0.00
A_51_P273684	NM_028803	Gbe1	74185	glucan (1,4-alpha-), branching enzyme 1	-5.53	0.40	0.00
A_52_P201972	AK037342	Zfp148	22661	zinc finger protein 148	-3.96	0.40	0.00

A_51_P305453	NA	NA	NA	NA	-7.42	0.40	0.00
A_52_P251183	NM_175106	Tmem177	66343	transmembrane protein 177	-6.23	0.40	0.00
A_52_P388072	NM_145942	Hmgcs1	208715	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	-2.72	0.40	0.05
A_51_P423308	NM_008342	Igfbp2	16008	insulin-like growth factor binding protein 2	-3.11	0.40	0.02
A_52_P385606	NM_021273	Ckb	12709	creatine kinase, brain	-4.69	0.40	0.00
A_51_P331207	NM_025464	Tmem218	66279	transmembrane protein 218	-3.50	0.40	0.01
A_52_P492069	NA	NA	NA	NA	-8.18	0.40	0.00
A_51_P500544	NM_025813	Mfsd1	66868	major facilitator superfamily domain containing 1	-6.34	0.40	0.00
A_51_P229547	NM_020252	Nrxn1	18189	neurexin I	-4.30	0.40	0.00
A_51_P200867	NM_029624	Lmf1	76483	lipase maturation factor 1	-4.72	0.40	0.00
A_51_P251717	NM_026304	I7Rn6	67669	lethal, Chr 7, Rinchik 6	-3.63	0.40	0.00
A_51_P315941	AK016167	Prkd3	75292	protein kinase D3	-2.69	0.40	0.05
A_52_P142761	AK035750	Pdcd6ip	18571	programmed cell death 6 interacting protein	-3.76	0.40	0.00
A_51_P204831	M13018	Crip1	12925	cysteine-rich protein 1 (intestinal)	-4.05	0.40	0.00
A_51_P430678	AK004405	Xrcc6bp1	68876	XRCC6 binding protein 1	-3.95	0.40	0.00
A_52_P260994	NM_013710	Fgd2	26382	FYVE, RhoGEF and PH domain containing 2	-4.20	0.40	0.00
A_52_P539161	NM_021557	Rdh11	17252	retinol dehydrogenase 11	-4.79	0.40	0.00
A_51_P196113	NM_019945	Mast1	56527	microtubule associated serine/threonine kinase 1	-5.88	0.40	0.00
A_51_P282667	NM_010421	Hexa	15211	hexosaminidase A	-5.53	0.40	0.00
A_51_P101347	AK030875	Pls1	102502	plastin 1 (I-isoform)	-3.18	0.40	0.01
A_51_P229875	AK147402	E330009J07	243780	RIKEN cDNA E330009J07 gene	-3.44	0.40	0.01
A_52_P112676	NM_025455	Ccdc28b	66264	coiled coil domain containing 28B	-4.20	0.40	0.00
A_52_P338956	XM_203596	NA	NA	NA	-3.69	0.40	0.00
A_52_P18972	NM_146141	Ppa2	74776	pyrophosphatase (inorganic) 2	-6.96	0.40	0.00
A_52_P102223	NM_018814	Pcnx	54604	pecanex homolog (Drosophila)	-6.53	0.40	0.00
A_51_P133369	NM_016717	Scly	50880	selenocysteine lyase	-4.51	0.40	0.00
A_52_P374642	NM_145614	Dlat	235339	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-5.77	0.40	0.00
A_51_P482711	NM_053272	Dhcr24	74754	24-dehydrocholesterol reductase	-3.79	0.40	0.00
A_51_P303433	NM_172540	Trmt2b	215201	TRM2 tRNA methyltransferase 2 homolog B (S. cerevisiae)	-4.89	0.40	0.00

A_51_P402225	XM_203596	NA	NA	NA	-4.14	0.40	0.00
A_51_P457113	NM_011250	Rbl2	19651	retinoblastoma-like 2	-3.36	0.40	0.01
A_52_P598478	AK145337	Chchd3	66075	coiled-coil-helix-coiled-coil-helix domain containing 3	-5.84	0.40	0.00
A_51_P500051	NM_019923	Itpr2	16439	inositol 1,4,5-triphosphate receptor 2	-3.77	0.40	0.00
A_51_P416080	NM_144552	Stxbp6	217517	syntaxin binding protein 6 (amisyn)	-4.03	0.40	0.00
A_51_P368543	NM_022419	Abhd8	64296	abhydrolase domain containing 8	-4.78	0.40	0.00
A_52_P44914	NM_177406	Cyp4a12a	277753	cytochrome P450, family 4, subfamily a, polypeptide 12a	-3.41	0.40	0.01
A_51_P118712	NM_010047	Dgcr6	13353	DiGeorge syndrome critical region gene 6	-4.77	0.40	0.00
A_51_P352057	NM_008819	Pemt	18618	phosphatidylethanolamine N-methyltransferase	-4.09	0.40	0.00
A_51_P477768	NM_198616	Ccdc85b	240514	coiled-coil domain containing 85B	-5.04	0.40	0.00
A_51_P416613	AK082166	1810058I2	67705	RIKEN cDNA 1810058I24 gene	-7.19	0.40	0.00
A_51_P155503	NM_008457	Klk1b8	16624	kallikrein 1-related peptidase b8	-5.74	0.40	0.00
A_52_P54106	AK034547	Ghr	14600	growth hormone receptor	-3.50	0.40	0.01
A_52_P432570	NM_175343	Chdh	218865	choline dehydrogenase	-4.52	0.40	0.00
A_52_P626329	NA	NA	NA	NA	-3.86	0.40	0.00
A_52_P868798	NA	NA	NA	NA	-4.23	0.40	0.00
A_52_P561236	NM_029752	Bri3bp	76809	Bri3 binding protein	-6.97	0.40	0.00
A_51_P487308	NM_001039	Pstk	214580	phosphoseryl-tRNA kinase	-4.00	0.40	0.00
A_51_P171107	NM_026239	Tmem35	67564	transmembrane protein 35	-3.36	0.40	0.01
A_52_P282741	NM_011520	Sdc3	20970	syndecan 3	-5.90	0.40	0.00
A_51_P269166	NM_021412	Mmp19	58223	matrix metalloproteinase 19	-7.75	0.40	0.00
A_51_P373082	AF027707	Bok	51800	BCL2-related ovarian killer protein	-3.81	0.40	0.00
A_51_P509384	NM_178713	Aldh8a1	237320	aldehyde dehydrogenase 8 family, member A1	-3.19	0.40	0.01
A_51_P286327	NM_175646	Txnl4b	234723	thioredoxin-like 4B	-5.04	0.40	0.00
A_51_P132978	NM_010497	Idh1	15926	isocitrate dehydrogenase 1 (NADP+), soluble	-3.64	0.40	0.00
A_51_P106538	NM_030127	Htra3	78558	HtrA serine peptidase 3	-3.16	0.39	0.01
A_52_P672740	NM_019491	Rala	56044	v-ral simian leukemia viral oncogene homolog A (ras related)	-4.67	0.39	0.00
A_51_P496309	NM_001024	Rfx4	71137	regulatory factor X, 4 (influences HLA class II expression)	-3.89	0.39	0.00
A_51_P187697	NM_028984	8430406I0	74528	RIKEN cDNA 8430406I07 gene	-5.24	0.39	0.00
A_51_P448466	NM_010767	Masp2	17175	mannan-binding lectin serine peptidase 2	-5.16	0.39	0.00

A_51_P231979	NM_013472	Anxa6	11749	annexin A6	-5.33	0.39	0.00
A_51_P512820	NM_172733	Dera	232449	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)	-2.89	0.39	0.03
A_51_P519369	NM_023328	Agtpbp1	67269	ATP/GTP binding protein 1	-5.30	0.39	0.00
A_51_P249118	NM_008830	Abcb4	18670	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-3.10	0.39	0.02
A_51_P295286	AK006906	1700066M	73467	RIKEN cDNA 1700066M21 gene	-5.37	0.39	0.00
A_52_P423188	AF245475	Mlxipl	58805	MLX interacting protein-like	-4.92	0.39	0.00
A_52_P93256	NM_011923	Angptl2	26360	angiopoietin-like 2	-7.38	0.39	0.00
A_51_P484200	NM_153777	Lrrc56	70552	leucine rich repeat containing 56	-3.88	0.39	0.00
A_51_P122170	NM_017473	Rdh7	54150	retinol dehydrogenase 7	-3.82	0.39	0.00
A_52_P88695	NM_016811	Dgka	13139	diacylglycerol kinase, alpha	-4.37	0.39	0.00
A_51_P180994	BC025200	3110073HC	73201	RIKEN cDNA 3110073H01 gene	-5.82	0.39	0.00
A_51_P334019	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-5.78	0.39	0.00
A_52_P633410	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated protein-like 1	-6.21	0.39	0.00
A_52_P669005	NM_023624	Lrat	79235	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)	-3.34	0.39	0.01
A_52_P420394	NM_146226	Apeh	235606	acylpeptide hydrolase	-5.55	0.39	0.00
A_52_P526724	NM_133249	Ppargc1b	170826	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-3.13	0.39	0.01
A_51_P425254	NM_145519	Farp2	227377	FERM, RhoGEF and pleckstrin domain protein 2	-5.71	0.39	0.00
A_51_P260035	NM_025535	Sar1b	66397	SAR1 gene homolog B (S. cerevisiae)	-6.43	0.39	0.00
A_51_P119932	NM_175164	Arhgap26	71302	Rho GTPase activating protein 26	-2.91	0.39	0.03
A_51_P236439	NM_177322	Agtr1a	11607	angiotensin II receptor, type 1a	-3.97	0.39	0.00
A_51_P165617	NM_172745	Tufm	233870	Tu translation elongation factor, mitochondrial	-5.32	0.39	0.00
A_52_P480360	NM_023595	Dut	110074	deoxyuridine triphosphatase	-3.89	0.39	0.00
A_52_P512365	NM_009894	Cideb	12684	cell death-inducing DNA fragmentation factor, alpha subunit-like effector B	-3.11	0.39	0.01
A_52_P543079	XM_140800	NA	NA	NA	-5.38	0.39	0.00
A_52_P94845	NM_025449	Nicn1	66257	nicolin 1	-3.49	0.39	0.01
A_51_P419971	BU515288	Tmem106k	71900	transmembrane protein 106B	-5.10	0.39	0.00
A_51_P402414	NM_025504	Atp5sl	66349	ATP5S-like	-6.15	0.39	0.00

A_51_P166152	NM_029269	Spp2	75396	secreted phosphoprotein 2	-5.55	0.39	0.00
A_52_P378791	NM_153514	Rhobtb2	246710	Rho-related BTB domain containing 2	-4.49	0.39	0.00
A_51_P343429	NM_026331	Slc25a37	67712	solute carrier family 25, member 37	-4.96	0.39	0.00
A_52_P251615	NM_198249	E130112L2	268739	RIKEN cDNA E130112L23 gene	-3.84	0.39	0.00
A_51_P367395	NM_138583	D16H22S6E	27883	DNA segment, Chr 16, human D22S680E, expressed	-4.81	0.39	0.00
A_51_P490136	NM_011896	Spry1	24063	sprouty homolog 1 (Drosophila)	-3.61	0.39	0.01
A_51_P485421	AK088666	Igh-6	16019	immunoglobulin heavy chain 6 (heavy chain of IgM)	-3.48	0.39	0.01
A_52_P476431	NM_021292	Evc	59056	Ellis van Creveld gene homolog (human)	-6.52	0.39	0.00
A_52_P179698	NM_025412	Pycrl	66194	pyrroline-5-carboxylate reductase-like	-3.63	0.39	0.00
A_51_P391082	NM_007386	Aco1	11428	aconitase 1	-4.64	0.39	0.00
A_51_P494825	BC082308	Mfhas1	52065	malignant fibrous histiocytoma amplified sequence 1	-4.80	0.39	0.00
A_51_P276943	NM_016696	Gpc1	14733	glypican 1	-3.47	0.39	0.01
A_51_P155966	NM_029797	Mnd1	76915	meiotic nuclear divisions 1 homolog (S. cerevisiae)	-5.23	0.39	0.00
A_51_P229911	NM_080435	Adcy4	104110	adenylate cyclase 4	-6.84	0.39	0.00
A_52_P329408	AK147591	Sipa1l1	217692	signal-induced proliferation-associated 1 like 1	-6.25	0.39	0.00
A_52_P679105	NM_029614	Prss23	76453	protease, serine, 23	-3.05	0.39	0.02
A_52_P176619	AK028297	2610110G1	173242	RIKEN cDNA 2610110G12 gene	-3.64	0.39	0.00
A_51_P477419	NM_008688	Nfic	18029	nuclear factor I/C	-4.13	0.39	0.00
A_51_P326346	AK090384	Ppa2	74776	pyrophosphatase (inorganic) 2	-6.59	0.39	0.00
A_52_P520341	NM_177194	A130023I2	320569	RIKEN cDNA A130023I24 gene	-2.96	0.39	0.02
A_51_P480982	NM_025374	Glo1	109801	glyoxalase 1	-3.72	0.39	0.00
A_51_P503937	NM_009790	Calm1	12313	calmodulin 1	-3.40	0.39	0.01
A_52_P633393	NM_133687	Cxxc5	67393	CXXC finger 5	-7.50	0.39	0.00
A_51_P450052	NM_026003	Smarca2	67155	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	-3.69	0.39	0.00
A_52_P337259	NM_013905	Heyl	56198	hairy/enhancer-of-split related with YRPW motif-like	-5.04	0.39	0.00
A_51_P366513	NM_011864	Papss2	23972	3'-phosphoadenosine 5'-phosphosulfate synthase 2	-3.93	0.39	0.00

A_51_P336910	NM_026719	Lmbrd1	68421	LMBR1 domain containing 1	-4.36	0.39	0.00
A_51_P138673	NM_175244	Hectd3	76608	HECT domain containing 3	-9.72	0.39	0.00
A_51_P117995	NM_021514	Pfkm	18642	phosphofructokinase, muscle amyotrophic lateral sclerosis 2 (juvenile) homolog	-4.18	0.39	0.00
A_51_P180061	NM_028717	Als2	74018	(human)	-3.12	0.39	0.01
A_52_P660945	NM_019861	Ctsf	56464	cathepsin F microtubule-associated protein, RP/EB family, member	-5.86	0.39	0.00
A_51_P438149	NM_153058	Mapre2	212307	2	-4.70	0.39	0.00
A_51_P230904	NM_019877	Copz2	56358	coatamer protein complex, subunit zeta 2	-5.30	0.39	0.00
A_51_P341169	NM_021366	Klf13	50794	Kruppel-like factor 13	-6.40	0.39	0.00
A_51_P287001	NM_019503	Fxyd1	56188	FXD domain-containing ion transport regulator 1	-7.68	0.39	0.00
A_52_P293076	NM_007998	Fech	14151	ferrochelatase potassium voltage-gated channel, subfamily Q, member	-6.18	0.39	0.00
A_51_P194883	NM_008434	Kcnq1	16535	1	-5.72	0.39	0.00
A_51_P420037	NM_018815	Nup210	54563	nucleoporin 210	-5.64	0.39	0.00
A_52_P1012460	AK145625	NA	NA	NA	-6.70	0.39	0.00
A_52_P442585	NM_010365	Gtf2i	14886	general transcription factor II I NADH dehydrogenase (ubiquinone) 1 beta subcomplex,	-2.90	0.39	0.03
A_51_P516615	NM_026684	Ndufb10	68342	10	-6.18	0.39	0.00
A_51_P251367	NM_181344	C1rl	232371	complement component 1, r subcomponent-like	-4.75	0.39	0.00
A_52_P516091	NM_133792	Pla2g15	192654	phospholipase A2, group XV	-4.90	0.39	0.00
A_52_P59681	NM_008287	Hrsp12	15473	heat-responsive protein 12	-4.37	0.39	0.00
A_52_P409868	AK050087	C730014E0319990		RIKEN cDNA C730014E05 gene	-5.53	0.39	0.00
A_52_P419247	NM_030706	Trim2	80890	tripartite motif-containing 2	-3.98	0.39	0.00
A_51_P158598	NM_146027	Scrn2	217140	secernin 2	-4.27	0.39	0.00
A_51_P159189	NM_010565	Inhbc	16325	inhibin beta-C cytidine monophospho-N-acetylneuraminic acid	-4.41	0.39	0.00
A_51_P172917	NM_007717	Cmah	12763	hydroxylase	-4.34	0.39	0.00
A_52_P241742	AK008077	2010003O066434		RIKEN cDNA 2010003O02 gene	-4.62	0.39	0.00
A_52_P478420	AK086555	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-4.10	0.39	0.00
A_51_P371490	NM_031875	Otof	83762	otoferlin	-3.37	0.39	0.01
A_51_P234788	NM_133687	Cxxc5	67393	CXXC finger 5	-6.34	0.39	0.00

A_51_P236118	U52523	Ptpn18	19253	protein tyrosine phosphatase, non-receptor type 18	-5.63	0.39	0.00
A_52_P452599	NM_133217	Bco2	170752	beta-carotene oxygenase 2	-5.75	0.39	0.00
A_51_P150964	NM_008809	Pdgfrb	18596	platelet derived growth factor receptor, beta polypeptide	-5.03	0.39	0.00
A_51_P267904	AK082857	9030420J0	71544	RIKEN cDNA 9030420J04 gene	-5.13	0.39	0.00
A_51_P444264	NM_153457	Rtn1	104001	reticulon 1	-5.02	0.39	0.00
A_52_P421133	NM_007533	Bckdha	12039	branched chain ketoacid dehydrogenase E1, alpha polypeptide	-7.28	0.38	0.00
A_51_P520139	XM_620762	Gm5918	546143	predicted gene 5918	-4.32	0.38	0.00
A_51_P161890	NM_010189	Fcgrt	14132	Fc receptor, IgG, alpha chain transporter	-5.28	0.38	0.00
A_52_P159232	NM_001039	Ceacam1	26365	carcinoembryonic antigen-related cell adhesion molecule 1	-3.51	0.38	0.01
A_51_P419726	NM_011218	Ptprs	19280	protein tyrosine phosphatase, receptor type, S	-4.76	0.38	0.00
A_52_P456977	NM_016874	Deaf1	54006	deformed epidermal autoregulatory factor 1 (Drosophila)	-5.99	0.38	0.00
A_51_P481968	NM_026036	Cmtm6	67213	CKLF-like MARVEL transmembrane domain containing 6	-4.69	0.38	0.00
A_52_P633550	AK053579	Ghr	14600	growth hormone receptor	-4.08	0.38	0.00
A_52_P541175	NM_183195	Marveld1	277010	MARVEL (membrane-associating) domain containing 1	-3.97	0.38	0.00
A_51_P417469	NM_026616	Rnaseh2c	68209	ribonuclease H2, subunit C	-5.95	0.38	0.00
A_51_P503433	NM_080555	Ppap2b	67916	phosphatidic acid phosphatase type 2B	-6.05	0.38	0.00
A_51_P392090	NM_133683	Tmem19	67226	transmembrane protein 19	-3.13	0.38	0.01
A_52_P627357	NM_205536	Elk3	13713	ELK3, member of ETS oncogene family	-3.30	0.38	0.01
A_51_P154417	NM_010180	Fbln1	14114	fibulin 1	-2.74	0.38	0.05
A_52_P282035	NM_019403	Rnf5	54197	ring finger protein 5	-4.04	0.38	0.00
A_51_P130374	NM_013690	Tek	21687	endothelial-specific receptor tyrosine kinase	-3.10	0.38	0.02
A_51_P381373	AK140411	Wwp1	107568	WW domain containing E3 ubiquitin protein ligase 1	-3.03	0.38	0.02
A_52_P64383	NM_023184	Klf15	66277	Kruppel-like factor 15	-6.15	0.38	0.00
A_51_P253824	AK008211	Mgst3	66447	microsomal glutathione S-transferase 3	-4.47	0.38	0.00
A_51_P376207	NM_146948	Olf342	258950	olfactory receptor 342	-2.71	0.38	0.05
A_52_P20639	NM_023727	Rd3	74023	retinal degeneration 3	-4.78	0.38	0.00

A_52_P304028	NM_053158	Mrpl1	94061	mitochondrial ribosomal protein L1	-6.60	0.38	0.00
A_52_P537459	NM_027016	Sec62	69276	SEC62 homolog (S. cerevisiae)	-5.65	0.38	0.00
A_51_P509140	NM_170760	U2af1l4	233073	U2 small nuclear RNA auxiliary factor 1-like 4	-5.11	0.38	0.00
A_51_P449795	NM_007763	Crip1	12925	cysteine-rich protein 1 (intestinal)	-4.03	0.38	0.00
A_51_P512629	AK009255	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-5.36	0.38	0.00
A_52_P296109	AK078667	Cstf1	67337	cleavage stimulation factor, 3' pre-RNA, subunit 1 spermatogenesis and oogenesis specific basic helix-loop-	-5.21	0.38	0.00
A_51_P378699	NM_028937	Sohlh2	74434	helix 2	-3.38	0.38	0.01
A_52_P155692	NM_009176	St3gal3	20441	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	-5.87	0.38	0.00
A_51_P483576	NA	NA	NA	NA	-3.76	0.38	0.00
A_52_P150950	NM_153157	Olfm3	229759	olfactomedin 3	-6.71	0.38	0.00
A_51_P394354	NM_027464	5730469M	70564	RIKEN cDNA 5730469M10 gene	-5.99	0.38	0.00
A_51_P184353	NM_010150	Nr2f6	13864	nuclear receptor subfamily 2, group F, member 6 solute carrier family 2 (facilitated glucose transporter),	-4.57	0.38	0.00
A_52_P184594	NM_001012	Slc2a9	117591	member 9	-8.32	0.38	0.00
A_51_P392223	BC019573	1810048J1	67708	RIKEN cDNA 1810048J11 gene	-4.36	0.38	0.00
A_51_P429567	NM_053106	Lmod1	93689	leiomodien 1 (smooth muscle)	-2.74	0.38	0.05
A_52_P682099	BC058650	Fam149b	105428	family with sequence similarity 149, member B	-7.61	0.38	0.00
A_52_P54176	NM_015732	Axin2	12006	axin2	-4.63	0.38	0.00
A_52_P633163	NM_008650	Mut	17850	methyalmalonyl-Coenzyme A mutase	-4.77	0.38	0.00
A_51_P155843	XM_887155	Igsf10	242050	immunoglobulin superfamily, member 10	-6.60	0.38	0.00
A_52_P318053	NA	NA	NA	NA	-5.32	0.38	0.00
A_51_P313761	NM_028230	Shmt2	108037	serine hydroxymethyltransferase 2 (mitochondrial)	-5.23	0.38	0.00
A_52_P314349	AK050104	Acnat1	230161	acyl-coenzyme A amino acid N-acyltransferase 1 Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA	-2.70	0.38	0.05
A_52_P358090	AK153792	Sepsecs	211006	synthase	-3.46	0.38	0.01
A_52_P1064707	NA	NA	NA	NA	-5.36	0.38	0.00
A_51_P426270	NM_008597	Mgp	17313	matrix Gla protein	-3.11	0.38	0.01
A_52_P764924	AV036172	NA	NA	NA	-4.75	0.38	0.00
A_51_P183051	NM_133995	Upb1	103149	ureidopropionase, beta	-5.66	0.38	0.00
A_52_P316824	AK009255	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-6.99	0.38	0.00
A_51_P513991	AK220494	Spag4	245865	sperm associated antigen 4	-6.48	0.38	0.00
A_52_P290021	AK002639	Memo1	76890	mediator of cell motility 1	-5.08	0.38	0.00

A_51_P121652	NM_026877	Aspscr1	68938	alveolar soft part sarcoma chromosome region, candidate 1 (human)	-4.54	0.38	0.00
A_51_P210143	XM_917083	Syne2	319565	synaptic nuclear envelope 2	-3.06	0.38	0.02
A_52_P483974	AK080165	Dleu2	668253	deleted in lymphocytic leukemia, 2	-4.32	0.38	0.00
A_51_P111762	NM_011804	Creg1	433375	cellular repressor of E1A-stimulated genes 1	-4.41	0.38	0.00
A_51_P342652	NM_008339	Cd79b	15985	CD79B antigen	-6.25	0.38	0.00
A_52_P112651	NM_025828	Lman2	66890	lectin, mannose-binding 2	-4.58	0.38	0.00
A_52_P438170	AK084787	Lifr	16880	leukemia inhibitory factor receptor	-4.92	0.38	0.00
A_52_P257812	NM_008509	Lpl	16956	lipoprotein lipase	-3.74	0.38	0.00
A_51_P413005	NM_023543	Chn2	69993	chimerin (chimaerin) 2	-4.69	0.38	0.00
A_51_P312846	NM_023605	Fbxo9	71538	f-box protein 9	-4.11	0.38	0.00
A_51_P307644	NM_025652	Gtf3a	66596	general transcription factor III A	-4.43	0.38	0.00
A_51_P502225	NM_019687	Slc22a4	30805	solute carrier family 22 (organic cation transporter), member 4	-5.92	0.38	0.00
A_52_P506516	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-7.33	0.38	0.00
A_52_P381179	NM_172773	Slc17a5	235504	solute carrier family 17 (anion/sugar transporter), member 5	-3.81	0.38	0.00
A_52_P592516	NM_178750	Ss18l1	269397	synovial sarcoma translocation gene on chromosome 18- like 1	-3.82	0.38	0.00
A_52_P15495	NM_021496	Pvrl3	58998	poliovirus receptor-related 3	-3.87	0.38	0.00
A_52_P244763	AK078393	Trip4	56404	thyroid hormone receptor interactor 4	-6.21	0.38	0.00
A_51_P466221	NM_144547	Amhr2	110542	anti-Mullerian hormone type 2 receptor	-7.62	0.38	0.00
A_51_P487244	NM_001003	Adamts7	108153	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 7	-4.93	0.38	0.00
A_51_P109741	AK155405	Neil1	72774	nei endonuclease VIII-like 1 (E. coli)	-5.18	0.37	0.00
A_51_P413147	NM_008693	Klk1b3	18050	kallikrein 1-related peptidase b3	-4.83	0.37	0.00
A_51_P169495	NM_008619	Mov10	17454	Moloney leukemia virus 10	-4.80	0.37	0.00
A_51_P142896	NM_007652	Cd59a	12509	CD59a antigen	-5.94	0.37	0.00
A_52_P274028	AK078039	Ssr1	107513	signal sequence receptor, alpha	-6.37	0.37	0.00
A_51_P133097	AK018420	8430416G1	71469	RIKEN cDNA 8430416G17 gene	-7.16	0.37	0.00
A_52_P223407	AK135623	Mrpl35	66223	mitochondrial ribosomal protein L35	-7.20	0.37	0.00
A_51_P300456	AK122223	Pxdn	69675	peroxidasin homolog (Drosophila)	-3.63	0.37	0.00
A_52_P124429	NM_016665	Stra13	20892	stimulated by retinoic acid 13	-7.47	0.37	0.00

A_51_P320452	NM_146241	Trhde	237553	TRH-degrading enzyme	-3.09	0.37	0.02
A_52_P544560	XM_991082	NA	NA	NA	-4.27	0.37	0.00
A_51_P299632	NM_027641	Spf1	70997	sperm flagellar 1	-5.03	0.37	0.00
A_51_P372418	NM_026521	Zfp706	68036	zinc finger protein 706	-3.34	0.37	0.01
A_51_P453111	NM_010422	Hexb	15212	hexosaminidase B	-4.54	0.37	0.00
A_51_P459240	AK002661	Gstk1	76263	glutathione S-transferase kappa 1	-6.66	0.37	0.00
A_52_P152859	AK037803	A1300500(	320138	RIKEN cDNA A130050007 gene	-3.88	0.37	0.00
				SWI/SNF related matrix associated, actin dependent			
A_51_P137168	NM_018817	Smarcal1	54380	regulator of chromatin, subfamily a-like 1	-5.65	0.37	0.00
A_51_P379798	NM_134469	Fdps	110196	farnesyl diphosphate synthetase	-3.90	0.37	0.00
A_52_P232453	NM_153591	Nars2	244141	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative)	-3.51	0.37	0.01
A_51_P521304	NM_026167	Klhl13	67455	kelch-like 13 (Drosophila)	-5.12	0.37	0.00
A_51_P204295	NM_011220	Pts	19286	6-pyruvoyl-tetrahydropterin synthase	-6.43	0.37	0.00
A_51_P251245	NM_026361	Pkp4	227937	plakophilin 4	-3.76	0.37	0.00
A_51_P389421	NM_023480	Fahd1	68636	fumarylacetoacetate hydrolase domain containing 1	-3.55	0.37	0.01
A_51_P394394	NM_027533	Tspan2	70747	tetraspanin 2	-5.97	0.37	0.00
A_52_P559779	NM_007883	Dsg2	13511	desmoglein 2	-7.22	0.37	0.00
A_52_P49391	AK090296	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-3.88	0.37	0.00
A_51_P477833	NM_001033	Klhl21	242785	kelch-like 21 (Drosophila)	-4.09	0.37	0.00
A_51_P120220	AK087819	Sipa1l3	74206	signal-induced proliferation-associated 1 like 3	-4.18	0.37	0.00
A_51_P275989	NM_001037	RP23-195K	622404	coiled-coil domain containing 107	-6.38	0.37	0.00
A_51_P518940	NM_173788	Npr2	230103	natriuretic peptide receptor 2	-5.38	0.37	0.00
A_52_P134914	AK033990	Slc30a9	109108	solute carrier family 30 (zinc transporter), member 9	-6.10	0.37	0.00
A_51_P275123	BC003498	Psd3	234353	pleckstrin and Sec7 domain containing 3	-4.56	0.37	0.00
A_51_P232434	AK162873	Abhd1	57742	abhydrolase domain containing 1	-2.78	0.37	0.04
A_52_P517140	NM_199306	Wdtdc1	230796	WD and tetratricopeptide repeats 1	-4.76	0.37	0.00
A_51_P519048	NA	NA	NA	NA	-6.20	0.37	0.00
A_51_P511800	NM_025909	Oma1	67013	OMA1 homolog, zinc metallopeptidase (S. cerevisiae)	-4.08	0.37	0.00

A_52_P582105	NM_007996	Fdx1	14148	ferredoxin 1	-8.07	0.37	0.00
A_52_P148184	NM_028166	1600014C172244		RIKEN cDNA 1600014C10 gene	-3.67	0.37	0.00
A_51_P430259	BC061017	1700009P175472		RIKEN cDNA 1700009P17 gene	-3.59	0.37	0.01
A_51_P166155	NM_020567	Gmnn	57441	geminin	-3.85	0.37	0.00
A_52_P351925	NM_146005	Ank3	11735	ankyrin 3, epithelial	-4.55	0.37	0.00
A_51_P460181	NM_013711	Txnrd2	26462	thioredoxin reductase 2	-5.33	0.37	0.00
A_52_P106513	NM_028227	Brap	72399	BRCA1 associated protein	-5.28	0.37	0.00
A_52_P552547	AK039760	1110054M068841		RIKEN cDNA 1110054M08 gene	-2.88	0.37	0.03
A_52_P384310	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-6.86	0.37	0.00
A_52_P355813	NM_028793	Acbd5	74159	acyl-Coenzyme A binding domain containing 5	-3.87	0.37	0.00
A_52_P171019	NM_008548	Man1a	17155	mannosidase 1, alpha	-3.30	0.37	0.01
				ATP synthase, H ⁺ transporting, mitochondrial F1FO			
A_51_P301289	NM_007507	Atp5k	11958	complex, subunit e	-7.80	0.37	0.00
A_51_P371942	NM_008788	Pcolce	18542	procollagen C-endopeptidase enhancer protein	-5.05	0.37	0.00
A_51_P278893	NM_001077	Hdac5	15184	histone deacetylase 5	-5.27	0.37	0.00
A_51_P390334	NA	NA	NA	NA	-3.76	0.37	0.00
A_52_P392178	AK042786	Dgcr2	13356	DiGeorge syndrome critical region gene 2	-5.16	0.37	0.00
A_52_P168567	NM_007678	Cebpa	12606	CCAAT/enhancer binding protein (C/EBP), alpha	-4.24	0.37	0.00
A_52_P231847	NM_145949	Ido2	209176	indoleamine 2,3-dioxygenase 2	-7.05	0.37	0.00
A_51_P365369	NM_011261	Reln	19699	reelin	-4.41	0.37	0.00
A_51_P154473	NM_008559	Mc1r	17199	melanocortin 1 receptor	-2.73	0.37	0.05
A_52_P437502	NM_025476	Fam82b	66302	family with sequence similarity 82, member B	-6.20	0.37	0.00
A_52_P485275	NM_001033	Crxos1	546024	Crx opposite strand transcript 1	-2.69	0.37	0.05
A_52_P431981	NM_008882	Plxna2	18845	plexin A2	-5.80	0.37	0.00
A_52_P682745	NM_172803	Dock4	238130	dedicator of cytokinesis 4	-4.04	0.37	0.00
A_51_P287198	NM_033373	Krt23	94179	keratin 23	-4.45	0.37	0.00
A_52_P548227	NM_024177	Mrpl38	60441	mitochondrial ribosomal protein L38	-4.70	0.37	0.00
A_52_P16571	NM_013761	Srr	27364	serine racemase	-3.14	0.37	0.01
A_51_P257419	NM_010710	Lhx2	16870	LIM homeobox protein 2	-4.28	0.37	0.00
				SPC25, NDC80 kinetochore complex component,			
A_51_P514700	NM_025565	Spc25	66442	homolog (<i>S. cerevisiae</i>)	-4.32	0.37	0.00
A_52_P493925	BB385819	NA	NA	NA	-7.79	0.37	0.00
A_51_P451186	NM_001003	Rab3ip	216363	RAB3A interacting protein	-4.25	0.37	0.00
A_52_P348709	NM_011804	Creg1	433375	cellular repressor of E1A-stimulated genes 1	-4.31	0.37	0.00

A_51_P478061	NM_207675	Cadm1	54725	cell adhesion molecule 1	-7.47	0.37	0.00
A_51_P321126	NM_007988	Fasn	14104	fatty acid synthase	-3.31	0.37	0.01
A_51_P137604	NM_007995	Fcna	14133	ficolin A	-4.87	0.37	0.00
A_51_P125316	AK003718	Hipk2	15258	homeodomain interacting protein kinase 2	-8.04	0.37	0.00
A_51_P519700	NM_008624	Mras	17532	muscle and microspikes RAS	-4.87	0.37	0.00
A_51_P110381	NM_144943	Cd207	246278	CD207 antigen	-3.70	0.37	0.00
A_51_P513611	NM_146078	Ubr2	224826	ubiquitin protein ligase E3 component n-recognin 2 acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	-4.16	0.37	0.00
A_51_P499755	NM_009672	Anp32a	11737	DNA segment, Chr 10, ERATO Doi 322, expressed	-3.98	0.37	0.00
A_52_P40367	NM_026065	D10Ertd32	67270	tubulin polymerization promoting protein	-5.45	0.37	0.00
A_51_P398260	NM_182839	Tppp	72948	paroxysmal nonkinesiogenic dyskinesia	-5.97	0.37	0.00
A_51_P177622	NM_025580	Pnkd	56695	single-stranded DNA binding protein 3	-6.39	0.37	0.00
A_52_P627863	NM_023672	Ssbp3	72475	death associated protein kinase 1	-3.98	0.37	0.00
A_52_P37826	NM_029653	Dapk1	69635	NA	-4.36	0.36	0.00
A_51_P291260	XM_976153	NA	NA	F-box and leucine-rich repeat protein 7	-5.27	0.36	0.00
A_52_P423364	NM_176959	Fbxl7	448987	starch binding domain 1	-3.87	0.36	0.00
A_52_P645855	NM_175096	Stbd1	52331	START domain containing 8	-3.00	0.36	0.02
A_51_P251129	NM_199018	Stard8	236920	ectonucleotide pyrophosphatase/phosphodiesterase 3	-3.95	0.36	0.00
A_52_P379277	AK132256	Enpp3	209558	myosin, heavy polypeptide 14	-3.49	0.36	0.01
A_51_P318580	NM_028021	Myh14	71960	phospholipase C, beta 1	-4.22	0.36	0.00
A_51_P284665	NM_019677	Plcb1	18795	cysteine and histidine rich 1	-2.71	0.36	0.05
A_52_P134083	NM_180962	Cyhr1	54151	WW domain binding protein 1	-5.76	0.36	0.00
A_51_P160372	NM_016757	Wbp1	22377	inositol 1,4,5-triphosphate receptor 2	-5.20	0.36	0.00
A_51_P500056	NM_019923	Itpr2	16439	cyclin-dependent kinase inhibitor 1C (P57) phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole,	-5.63	0.36	0.00
A_51_P339540	NM_009876	Cdkn1c	12577	succinocarboxamide synthetase	-6.56	0.36	0.00
A_51_P142904	NM_025939	Paics	67054	voltage-dependent anion channel 1	-4.85	0.36	0.00
A_51_P130459	NM_011694	Vdac1	22333	NA	-7.31	0.36	0.00
A_52_P655508	NA	NA	NA	zinc finger protein 692	-2.88	0.36	0.03
A_52_P217604	NM_182996	Zfp692	103836	cullin associated and neddylation disassociated 1	-3.22	0.36	0.01
A_52_P161707	XM_125901	Cand1	71902		-5.29	0.36	0.00

A_52_P141628	NM_011397	Slc23a1	20522	solute carrier family 23 (nucleobase transporters), member 1	-3.08	0.36	0.02
A_52_P253915	NM_138651	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-5.79	0.36	0.00
A_51_P236469	NM_025633	Metap1	66559	methionine aminopeptidase-like 1	-5.92	0.36	0.00
A_52_P251699	NM_019546	Prodh2	56189	proline dehydrogenase (oxidase) 2	-5.09	0.36	0.00
A_51_P359586	NM_008824	Pfkfb1	18639	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	-3.28	0.36	0.01
A_51_P397673	NM_153565	Pcsk9	100102	proprotein convertase subtilisin/kexin type 9	-4.05	0.36	0.00
A_52_P663742	AK076333	Ganc	76051	glucosidase, alpha; neutral C	-5.49	0.36	0.00
A_51_P407304	AK169346	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-5.97	0.36	0.00
A_51_P204286	AK033552	2900064A1	73024	RIKEN cDNA 2900064A13 gene	-6.26	0.36	0.00
A_51_P416660	NM_172587	Cdc14b	218294	CDC14 cell division cycle 14 homolog B (<i>S. cerevisiae</i>)	-4.82	0.36	0.00
A_52_P37593	NM_015828	Gne	50798	glucosamine	-4.74	0.36	0.00
A_51_P126198	NM_010019	Dapk2	13143	death-associated protein kinase 2	-5.10	0.36	0.00
A_51_P490198	NM_026398	Pop5	117109	processing of precursor 5, ribonuclease P/MRP family (<i>S. cerevisiae</i>)	-6.39	0.36	0.00
A_51_P504588	NM_027194	Tm2d2	69742	TM2 domain containing 2	-6.58	0.36	0.00
A_52_P649249	NM_026858	Xrcc6bp1	68876	XRCC6 binding protein 1	-5.10	0.36	0.00
A_51_P486150	NM_008756	Ocln	18260	occludin	-2.93	0.36	0.02
A_52_P217474	NM_025987	Ndufa6	67130	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6 (B14)	-6.29	0.36	0.00
A_51_P412225	NM_172443	Tbc1d16	207592	TBC1 domain family, member 16	-3.29	0.36	0.01
A_51_P298023	NM_028094	Ugt2a3	72094	UDP glucuronosyltransferase 2 family, polypeptide A3	-5.18	0.36	0.00
A_51_P176042	NM_013631	Pklr	18770	pyruvate kinase liver and red blood cell	-5.19	0.36	0.00
A_51_P424954	AK045415	B230114P1	402735	RIKEN cDNA B230114P17 gene	-3.61	0.36	0.01
A_51_P146941	NM_145942	Hmgcs1	208715	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	-3.45	0.36	0.01
A_52_P438359	AK042464	Dnajc19	67713	DnaJ (Hsp40) homolog, subfamily C, member 19	-5.49	0.36	0.00
A_52_P48206	NM_009010	Rad23a	19358	RAD23a homolog (<i>S. cerevisiae</i>)	-4.36	0.36	0.00
A_52_P92121	AK053456	Ankrd33b	67434	ankyrin repeat domain 33B	-6.52	0.36	0.00
A_51_P512519	M29009	EG214403	214403	predicted gene, EG214403	-5.23	0.36	0.00

A_51_P445683	NM_133732	4931406C070984		RIKEN cDNA 4931406C07 gene	-6.60	0.36	0.00
A_52_P403398	AK090147	lhh	16147	Indian hedgehog	-5.52	0.36	0.00
A_51_P111245	NM_172262	Kdm1b	218214	lysine (K)-specific demethylase 1B	-5.90	0.36	0.00
A_52_P601757	BC034056	Dsg2	13511	desmoglein 2	-3.30	0.36	0.01
A_51_P187346	AK017223	Sgms2	74442	sphingomyelin synthase 2	-3.30	0.36	0.01
A_52_P800301	NA	NA	NA	NA	-4.45	0.36	0.00
A_51_P512783	NM_025476	Fam82b	66302	family with sequence similarity 82, member B	-7.11	0.36	0.00
A_52_P884092	AK082796	C330020G1109343		RIKEN cDNA C330020G15 gene	-7.80	0.36	0.00
A_51_P244194	NM_053199	Cadm3	94332	cell adhesion molecule 3	-8.27	0.36	0.00
				solute carrier family 1 (glutamate/neutral amino acid			
A_51_P371311	NM_018861	Slc1a4	55963	transporter), member 4	-4.96	0.36	0.00
A_52_P215152	NM_010636	Klf12	16597	Kruppel-like factor 12	-8.08	0.36	0.00
A_51_P468294	NM_017462	Polg	18975	polymerase (DNA directed), gamma	-5.60	0.36	0.00
A_51_P123895	NM_053078	DOH4S114	27528	DNA segment, human D4S114	-4.15	0.36	0.00
A_52_P559957	NM_134147	MacroD1	107227	MACRO domain containing 1	-5.12	0.36	0.00
A_52_P87229	NA	NA	NA	NA	-4.31	0.36	0.00
A_52_P387564	AK198605	NA	NA	NA	-4.23	0.36	0.00
A_51_P480169	NM_053190	S1pr5	94226	sphingosine-1-phosphate receptor 5	-4.68	0.36	0.00
A_51_P480020	AK016444	4931408D177059		RIKEN cDNA 4931408D14 gene	-3.02	0.36	0.02
A_52_P185552	NM_198305	Klhl17	231003	kelch-like 17 (Drosophila)	-7.21	0.36	0.00
A_51_P170562	BC025836	Cpn2	71756	carboxypeptidase N, polypeptide 2	-4.06	0.36	0.00
A_52_P563917	NM_144914	Tmem184a	231832	transmembrane protein 184a	-5.02	0.36	0.00
A_51_P479408	NM_008317	Hyal1	15586	hyaluronoglucosaminidase 1	-2.72	0.36	0.05
A_52_P671013	AK020497	9430079G277291		RIKEN cDNA 9430079G20 gene	-4.40	0.36	0.00
A_51_P419439	NM_010321	Gnmt	14711	glycine N-methyltransferase	-3.39	0.36	0.01
A_51_P505530	NM_031176	Tnxb	81877	tenascin XB	-4.91	0.36	0.00
A_52_P670745	NM_025374	Glo1	109801	glyoxalase 1	-4.98	0.36	0.00
				required for meiotic nuclear division 1 homolog (S.			
A_52_P399646	NM_025343	Rmnd1	66084	cerevisiae)	-6.05	0.36	0.00
A_52_P482830	NM_025580	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-6.21	0.36	0.00
A_52_P102432	AK034104	Dsg1c	211924	desmoglein 1 gamma	-4.12	0.36	0.00
A_52_P631591	BC024265	Mast3	546071	microtubule associated serine/threonine kinase 3	-4.55	0.36	0.00

A_51_P435068	NM_025826	Acadsb	66885	acyl-Coenzyme A dehydrogenase, short/branched chain	-3.29	0.36	0.01
A_51_P108853	NM_146106	Lyplal1	226791	lysophospholipase-like 1	-4.29	0.36	0.00
A_51_P369628	NM_133949	Ptov1	84113	prostate tumor over expressed gene 1	-6.36	0.35	0.00
A_51_P331090	NM_134126	lft140	106633	intraflagellar transport 140 homolog (Chlamydomonas)	-5.28	0.35	0.00
A_52_P422859	M77174	NA	NA	NA	-3.75	0.35	0.00
A_51_P128595	AK085036	Mtx3	382793	metaxin 3	-7.66	0.35	0.00
A_52_P78770	NM_144807	Chpt1	212862	choline phosphotransferase 1	-5.41	0.35	0.00
A_52_P588483	NM_010180	Fbln1	14114	fibulin 1	-2.83	0.35	0.04
A_52_P1173329	NA	NA	NA	NA	-5.99	0.35	0.00
A_51_P495641	NM_019641	Stmn1	16765	stathmin 1	-4.28	0.35	0.00
A_51_P117477	NM_011977	Slc27a1	26457	solute carrier family 27 (fatty acid transporter), member 1	-5.34	0.35	0.00
A_51_P229925	NM_021715	Chst7	60322	carbohydrate (N-acetylglucosamino) sulfotransferase 7	-5.14	0.35	0.00
A_52_P482124	NM_026455	Fam32a	67922	family with sequence similarity 32, member A	-6.32	0.35	0.00
A_52_P54561	NM_010829	Msh3	17686	mutS homolog 3 (E. coli)	-4.59	0.35	0.00
A_51_P116699	NM_025905	Ttc23	67009	tetratricopeptide repeat domain 23	-3.70	0.35	0.00
A_52_P14506	NA	NA	NA	NA	-4.24	0.35	0.00
A_52_P503071	NM_138600	Aldh7a1	110695	aldehyde dehydrogenase family 7, member A1	-5.26	0.35	0.00
A_52_P286360	NM_008769	Otc	18416	ornithine transcarbamylase	-5.20	0.35	0.00
A_51_P432511	NM_145743	Lace1	215951	lactation elevated 1	-3.69	0.35	0.00
A_51_P460869	NM_145401	Prkag2	108099	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-4.63	0.35	0.00
A_51_P211980	NM_019492	Rgs3	50780	regulator of G-protein signaling 3	-4.23	0.35	0.00
A_51_P321734	NM_022884	Bhmt2	64918	betaine-homocysteine methyltransferase 2	-3.26	0.35	0.01
A_51_P377579	NM_026601	Hyi	68180	hydroxypyruvate isomerase homolog (E. coli)	-3.48	0.35	0.01
A_51_P263419	NM_013705	Zfp30	22693	zinc finger protein 30	-4.34	0.35	0.00
A_51_P299287	NM_053261	Impa2	114663	inositol (myo)-1(or 4)-monophosphatase 2	-4.16	0.35	0.00
A_51_P414762	NM_026361	Pkp4	227937	plakophilin 4	-6.21	0.35	0.00
A_52_P380094	NM_028195	Cyth4	72318	cytohesin 4	-2.85	0.35	0.03

A_51_P296549	NM_032397	Kcnn1	84036	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	-6.94	0.35	0.00
A_52_P429909	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-6.41	0.35	0.00
A_51_P272586	NM_027727	Dym	69190	dymeclin	-4.97	0.35	0.00
A_51_P261351	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-4.12	0.35	0.00
A_52_P475080	NM_029847	Arsk	77041	arylsulfatase K	-9.10	0.35	0.00
A_52_P493867	NM_027194	Tm2d2	69742	TM2 domain containing 2	-8.15	0.35	0.00
A_51_P185229	NM_007553	Bmp2	12156	bone morphogenetic protein 2	-6.17	0.35	0.00
A_52_P165824	NM_175443	Etnk2	214253	ethanolamine kinase 2	-4.56	0.35	0.00
A_51_P440315	NM_145572	Gys2	232493	glycogen synthase 2	-4.99	0.35	0.00
A_51_P428977	AK051235	Onecut1	15379	one cut domain, family member 1	-3.94	0.35	0.00
A_51_P199987	NM_021896	Gucy1a3	60596	guanylate cyclase 1, soluble, alpha 3	-4.44	0.35	0.00
A_52_P1092823	AK133937	Irx1	16371	Iroquois related homeobox 1 (Drosophila)	-5.62	0.35	0.00
A_51_P234044	NM_197988	1190005106	68918	RIKEN cDNA 1190005106 gene	-6.27	0.35	0.00
A_52_P661731	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-7.43	0.35	0.00
A_52_P481182	NM_023377	Stard5	170460	StAR-related lipid transfer (START) domain containing 5 phenylalkylamine Ca2+ antagonist (emopamil) binding protein	-4.46	0.35	0.00
A_51_P429682	NM_007898	Ebp	13595		-5.58	0.35	0.00
A_51_P423963	NM_031872	Tas1r3	83771	taste receptor, type 1, member 3	-5.43	0.35	0.00
A_52_P527775	NM_010005	Cyp2d10	13101	cytochrome P450, family 2, subfamily d, polypeptide 10	-5.86	0.35	0.00
A_51_P374464	NM_013541	Gstp1	14870	glutathione S-transferase, pi 1	-4.45	0.35	0.00
A_52_P66130	NM_201600	Myo5b	17919	myosin VB	-4.93	0.35	0.00
A_52_P409535	NM_145356	Zbtb7c	207259	zinc finger and BTB domain containing 7C	-4.75	0.35	0.00
A_52_P358360	AK088666	Igh-6	16019	immunoglobulin heavy chain 6 (heavy chain of IgM)	-3.19	0.35	0.01
A_52_P198435	NM_207246	Rasgrp3	240168	RAS, guanyl releasing protein 3	-4.30	0.35	0.00
A_52_P439001	NA	NA	NA	NA	-6.23	0.35	0.00
A_52_P306845	NM_007616	Cav1	12389	caveolin 1, caveolae protein vesicle-associated membrane protein, associated protein B and C	-4.35	0.35	0.00
A_52_P556140	NM_019806	Vapb	56491		-4.02	0.35	0.00

A_51_P107547	NM_147085	Olf571	259089	olfactory receptor 571	-6.25	0.35	0.00
A_52_P148883	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-6.76	0.35	0.00
A_52_P313523	NM_028934	4930452B0	74430	RIKEN cDNA 4930452B06 gene	-5.81	0.35	0.00
A_52_P427024	NM_010700	Ldlr	16835	low density lipoprotein receptor	-4.25	0.35	0.00
A_52_P528463	NM_027122	Mfsd3	69572	major facilitator superfamily domain containing 3	-4.48	0.35	0.00
A_52_P93284	NM_008506	Mycl1	16918	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	-4.80	0.35	0.00
A_51_P356353	NM_138651	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-7.35	0.35	0.00
A_52_P525107	NM_007742	Col1a1	12842	collagen, type I, alpha 1	-2.79	0.35	0.04
A_51_P511560	NM_001033	Acsl3	74205	acyl-CoA synthetase long-chain family member 3	-4.74	0.35	0.00
A_51_P500906	NM_134249	Timd2	171284	T-cell immunoglobulin and mucin domain containing 2	-3.52	0.35	0.01
A_51_P181705	AK017277	Ptprg	19270	protein tyrosine phosphatase, receptor type, G	-3.96	0.35	0.00
A_52_P119350	AK076318	4732419C1	434357	RIKEN cDNA 4732419C18 gene	-3.51	0.35	0.01
A_51_P521374	NM_026341	Nudt13	67725	nudix (nucleoside diphosphate linked moiety X)-type motif 13	-5.90	0.35	0.00
A_51_P221132	NM_145443	L2hgdh	217666	L-2-hydroxyglutarate dehydrogenase	-5.08	0.35	0.00
A_51_P314397	NM_024223	Crip2	68337	cysteine rich protein 2	-3.19	0.35	0.01
A_51_P365019	NM_010295	Gclc	14629	glutamate-cysteine ligase, catalytic subunit	-3.95	0.35	0.00
A_52_P246252	NM_007812	Cyp2a5	13087	cytochrome P450, family 2, subfamily a, polypeptide 5	-3.03	0.35	0.02
A_51_P462385	NM_008061	G6pc	14377	glucose-6-phosphatase, catalytic	-2.97	0.35	0.02
A_51_P503654	NM_178577	Tmem205	235043	transmembrane protein 205	-7.42	0.35	0.00
A_52_P13730	NM_007623	Cbx2	12416	chromobox homolog 2 (Drosophila Pc class)	-5.34	0.35	0.00
A_51_P204247	NM_146148	C8a	230558	complement component 8, alpha polypeptide	-6.01	0.34	0.00
A_51_P466673	NM_146083	Sfrs7	225027	splicing factor, arginine/serine-rich 7	-4.85	0.34	0.00
A_52_P308477	NM_133727	Kptn	70394	kaptin	-6.25	0.34	0.00
A_51_P367834	NM_010305	Gnai1	14677	guanine nucleotide binding protein (G protein), alpha inhibiting 1	-3.57	0.34	0.01
A_51_P193536	NM_016892	Ccs	12460	copper chaperone for superoxide dismutase suppressor of defective silencing 3 homolog (S.	-6.59	0.34	0.00
A_52_P579876	NM_178622	Suds3	71954	cerevisiae)	-5.32	0.34	0.00
A_52_P745	NM_030721	Acox3	80911	acyl-Coenzyme A oxidase 3, pristanoyl	-3.99	0.34	0.00

A_51_P476209	NM_019569	Fscn3	56223	fascin homolog 3, actin-bundling protein, testicular (Strongylocentrotus purpuratus)	-5.09	0.34	0.00
A_52_P276776	NM_028717	Als2	74018	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	-4.47	0.34	0.00
A_51_P142421	NM_138683	Rspo1	192199	R-spondin homolog (Xenopus laevis)	-3.12	0.34	0.01
A_51_P125205	NM_007472	Aqp1	11826	aquaporin 1	-5.97	0.34	0.00
A_51_P284486	NM_008183	Gstm2	14863	glutathione S-transferase, mu 2	-6.95	0.34	0.00
A_51_P458873	NM_019806	Vapb	56491	vesicle-associated membrane protein, associated protein B and C	-5.54	0.34	0.00
A_52_P218955	AK012700	D3Ertd751c	73852	DNA segment, Chr 3, ERATO Doi 751, expressed	-5.69	0.34	0.00
A_52_P293222	AK042378	Ppargc1b	170826	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-7.17	0.34	0.00
A_51_P466633	NM_011391	Slc16a7	20503	solute carrier family 16 (monocarboxylic acid transporters), member 7	-5.36	0.34	0.00
A_51_P265465	NM_134130	Abhd3	106861	abhydrolase domain containing 3	-5.44	0.34	0.00
A_52_P177021	NM_011220	Pts	19286	6-pyruvoyl-tetrahydropterin synthase	-5.24	0.34	0.00
A_52_P48569	NM_027052	Slc38a4	69354	solute carrier family 38, member 4	-4.56	0.34	0.00
A_51_P156708	NM_011789	Apc2	23805	adenomatosis polyposis coli 2	-3.77	0.34	0.00
A_52_P379256	NM_024434	Lap3	66988	leucine aminopeptidase 3	-3.87	0.34	0.00
A_52_P121342	NM_020252	Nrxn1	18189	neurexin I	-5.64	0.34	0.00
A_52_P384855	NM_172577	Slc25a21	217593	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21	-4.83	0.34	0.00
A_52_P339154	NM_029398	Tmem14a	75712	transmembrane protein 14A	-6.33	0.34	0.00
A_51_P338886	NM_026950	Ociad2	433904	OCIA domain containing 2	-6.29	0.34	0.00
A_51_P411909	NM_178848	Sirt5	68346	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	-3.70	0.34	0.00
A_51_P125351	NM_026822	Lce1b	68720	late cornified envelope 1B	-7.05	0.34	0.00
A_51_P191572	NM_146709	Olf411	258704	olfactory receptor 411	-4.02	0.34	0.00
A_51_P403799	NM_021287	Spnb3	20743	spectrin beta 3	-4.40	0.34	0.00
A_51_P347206	NM_147088	Olf569	259092	olfactory receptor 569	-6.46	0.34	0.00
A_51_P454949	NM_010359	Gstm3	14864	glutathione S-transferase, mu 3	-5.39	0.34	0.00
A_51_P338600	NM_025387	Tmem14c	66154	transmembrane protein 14C	-5.99	0.34	0.00
A_51_P192751	NM_026732	Mrpl14	68463	mitochondrial ribosomal protein L14	-5.20	0.34	0.00
A_52_P61691	NM_181858	Cd59b	333883	CD59b antigen	-6.43	0.34	0.00

A_51_P242560	NM_026844	2310061C166531		RIKEN cDNA 2310061C15 gene	-5.01	0.34	0.00
A_52_P229783	NM_029880	Ptgr2	77219	prostaglandin reductase 2	-4.27	0.34	0.00
A_51_P134574	AK030305	Col4a3bp	68018	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	-3.27	0.34	0.01
A_51_P261359	NM_172692	Gba2	230101	glucosidase beta 2	-5.48	0.34	0.00
A_51_P488519	NM_025478	Isoc1	66307	isochorismatase domain containing 1	-4.00	0.34	0.00
A_52_P55726	NM_011883	Rnf13	24017	ring finger protein 13	-4.68	0.34	0.00
A_52_P628997	XM_893473	NA	NA	NA	-4.20	0.34	0.00
A_51_P479444	NM_010544	lhh	16147	Indian hedgehog	-7.26	0.34	0.00
A_51_P263993	NM_008280	Lipc	15450	lipase, hepatic	-4.65	0.34	0.00
A_51_P148612	NM_009944	Cox7a1	12865	cytochrome c oxidase, subunit VIIa 1	-4.71	0.34	0.00
A_51_P345836	NM_011871	Prkra	23992	protein kinase, interferon inducible double stranded RNA dependent activator	-5.19	0.34	0.00
A_51_P456466	NM_021455	MLxipl	58805	MLX interacting protein-like	-6.06	0.34	0.00
A_51_P309988	NM_147217	Gprc5c	70355	G protein-coupled receptor, family C, group 5, member C	-7.26	0.34	0.00
A_51_P400016	AK088732	Kalrn	545156	kalirin, RhoGEF kinase	-3.29	0.34	0.01
A_52_P525249	BC057094	Trim65	338364	tripartite motif-containing 65	-6.09	0.34	0.00
A_51_P140347	NM_172830	Slc4a9	240215	solute carrier family 4, sodium bicarbonate cotransporter, member 9	-3.41	0.34	0.01
A_51_P407311	NM_145954	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-8.82	0.34	0.00
A_51_P145735	NM_025421	Acyp1	66204	acylphosphatase 1, erythrocyte (common) type	-3.90	0.34	0.00
A_52_P98452	AK199677	Hadh	15107	hydroxyacyl-Coenzyme A dehydrogenase	-4.30	0.34	0.00
A_52_P186274	NA	NA	NA	NA	-3.79	0.34	0.00
A_52_P52200	NA	NA	NA	NA	-4.89	0.34	0.00
A_51_P474496	NM_009933	Col6a1	12833	collagen, type VI, alpha 1	-4.81	0.34	0.00
A_52_P551011	NM_001033	NA	NA	NA	-6.02	0.34	0.00
A_52_P48681	NM_016674	Cldn1	12737	claudin 1	-2.79	0.34	0.04
A_52_P550325	NM_010604	Kcnj16	16517	potassium inwardly-rectifying channel, subfamily J, member 16	-4.41	0.34	0.00
A_51_P507880	NM_028980	Ppp4r4	74521	protein phosphatase 4, regulatory subunit 4	-3.47	0.34	0.01
A_51_P149373	NM_028149	Fbxl20	72194	F-box and leucine-rich repeat protein 20	-5.73	0.34	0.00
A_52_P359502	AK009645	Pdxk	216134	pyridoxal (pyridoxine, vitamin B6) kinase	-5.64	0.34	0.00
A_52_P542013	BC057368	Dock6	319899	dedicator of cytokinesis 6	-7.02	0.34	0.00

A_52_P350750	NM_015730	Chrna4	11438	cholinergic receptor, nicotinic, alpha polypeptide 4	-3.79	0.34	0.00
A_51_P371745	NM_134248	Havcr1	171283	hepatitis A virus cellular receptor 1	-4.10	0.34	0.00
A_51_P159402	NM_013847	Gcat	26912	glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase) armadillo repeat gene deleted in velo-cardio-facial syndrome	-6.75	0.34	0.00
A_52_P583031	NM_033474	Arvcf	11877	syndrome	-4.01	0.34	0.00
A_52_P485971	NM_001001	Scap	235623	SREBF chaperone	-6.03	0.34	0.00
A_51_P392303	NM_010733	Lrrn3	16981	leucine rich repeat protein 3, neuronal	-5.48	0.34	0.00
A_51_P125385	NM_031248	Robld3	83409	roadblock domain containing 3	-6.59	0.33	0.00
A_52_P245962	NM_021456	Ces1	12623	carboxylesterase 1	-3.43	0.33	0.01
A_51_P395555	NM_178600	Vkorc1	27973	vitamin K epoxide reductase complex, subunit 1	-5.91	0.33	0.00
A_51_P437144	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-5.89	0.33	0.00
A_51_P436469	NM_144821	AI317395	215929	expressed sequence AI317395	-6.37	0.33	0.00
A_52_P179925	NM_026180	Abcg8	67470	ATP-binding cassette, sub-family G (WHITE), member 8	-6.24	0.33	0.00
A_51_P111192	NM_010005	Cyp2d10	13101	cytochrome P450, family 2, subfamily d, polypeptide 10	-6.05	0.33	0.00
A_52_P645862	NM_177322	Agtr1a	11607	angiotensin II receptor, type 1a	-6.07	0.33	0.00
A_51_P483261	NM_145145	Pomt1	99011	protein-O-mannosyltransferase 1	-4.13	0.33	0.00
A_51_P484526	NM_011915	Wif1	24117	Wnt inhibitory factor 1	-5.28	0.33	0.00
A_52_P260659	NM_001039	Kcnj10	16513	potassium inwardly-rectifying channel, subfamily J, member 10	-6.90	0.33	0.00
A_51_P303906	NM_146243	Actr2	66713	ARP2 actin-related protein 2 homolog (yeast)	-5.10	0.33	0.00
A_51_P418469	NM_023595	Dut	110074	deoxyuridine triphosphatase	-7.65	0.33	0.00
A_52_P111830	NM_029956	Mmab	77697	methylmalonic aciduria (cobalamin deficiency) type B homolog (human)	-3.85	0.33	0.00
A_52_P319927	XM_140800	NA	NA	NA	-5.13	0.33	0.00
A_52_P561416	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-4.91	0.33	0.00
A_51_P166099	NM_019957	Dnase2b	56629	deoxyribonuclease II beta	-4.84	0.33	0.00
A_51_P152578	XM_131566	NA	NA	NA	-7.08	0.33	0.00
A_52_P683136	NM_030026	Mccc2	78038	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	-3.94	0.33	0.00
A_51_P216015	AK084358	Dleu2	668253	deleted in lymphocytic leukemia, 2	-5.13	0.33	0.00

A_52_P119830	NM_177186	A530082C1320541		RIKEN cDNA A530082C11 gene	-4.64	0.33	0.00
A_51_P133105	AK018420	8430416G171469		RIKEN cDNA 8430416G17 gene	-7.28	0.33	0.00
A_52_P264905	NM_026908	Cab39l	69008	calcium binding protein 39-like	-6.84	0.33	0.00
A_51_P248122	NM_133234	Bbc3	170770	BCL2 binding component 3	-6.53	0.33	0.00
A_51_P434776	NM_028101	Jmjd8	72106	jumonji domain containing 8	-6.93	0.33	0.00
				eukaryotic translation initiation factor 4E binding			
A_51_P135654	NM_010124	Eif4ebp2	13688	protein 2	-3.87	0.33	0.00
A_51_P469951	NM_153070	NA	NA	NA	-3.97	0.33	0.00
A_51_P174081	NM_146073	Zdhhc14	224454	zinc finger, DHHC domain containing 14	-6.75	0.33	0.00
A_51_P395111	NM_019730	Nme3	79059	non-metastatic cells 3, protein expressed in	-5.18	0.33	0.00
A_52_P298986	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-10.21	0.33	0.00
				formation of mitochondrial complexes 1 homolog (S.			
A_51_P406077	NM_025363	Fmc1	66117	cerevisiae)	-7.97	0.33	0.00
A_52_P669425	NA	NA	NA	NA	-5.50	0.33	0.00
A_51_P492410	NM_026784	Pmvk	68603	phosphomevalonate kinase	-3.66	0.33	0.00
A_51_P182303	NM_007743	Col1a2	12843	collagen, type I, alpha 2	-4.67	0.33	0.00
A_52_P661722	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-8.69	0.33	0.00
A_52_P565549	NM_173788	Npr2	230103	natriuretic peptide receptor 2	-5.95	0.33	0.00
A_51_P114634	NM_173405	Amz1	231842	archaelysin family metallopeptidase 1	-10.69	0.33	0.00
A_52_P329164	AK087910	D130020L0319760		RIKEN cDNA D130020L05 gene	-4.24	0.33	0.00
A_51_P454696	BC028441	Mosc1	66112	MOCO sulphurase C-terminal domain containing 1	-3.79	0.33	0.00
A_52_P213696	NM_027402	Fndc5	384061	fibronectin type III domain containing 5	-6.56	0.33	0.00
A_51_P215077	NM_025569	Mgst3	66447	microsomal glutathione S-transferase 3	-6.09	0.33	0.00
A_52_P222981	AK033485	Pgap1	241062	post-GPI attachment to proteins 1	-6.12	0.33	0.00
A_52_P198239	NM_001033	Ube2u	381534	ubiquitin-conjugating enzyme E2U (putative)	-4.49	0.33	0.00
				coatamer protein complex, subunit gamma 2, antisense			
A_52_P383754	AF217545	Copg2as2	1E+08	2	-4.63	0.33	0.00
A_52_P178651	NA	NA	NA	NA	-5.86	0.33	0.00
A_52_P302345	NM_133969	Cyp4v3	102294	cytochrome P450, family 4, subfamily v, polypeptide 3	-3.31	0.33	0.01
A_52_P671916	NM_172783	Phka2	110094	phosphorylase kinase alpha 2	-5.51	0.33	0.00
A_52_P683728	NM_175029	Atg4c	242557	autophagy-related 4C (yeast)	-3.53	0.33	0.01

A_52_P567531	BC055360	Cntn1	12805	contactin 1	-4.87	0.33	0.00
A_51_P342206	NM_010002	Cyp2c38	13097	cytochrome P450, family 2, subfamily c, polypeptide 38	-3.09	0.33	0.02
A_52_P415215	NM_010358	Gstm1	14862	glutathione S-transferase, mu 1	-4.04	0.33	0.00
A_51_P229602	NM_008882	Plxna2	18845	plexin A2	-6.26	0.33	0.00
A_51_P262228	NM_145466	A2ld1	223267	AlG2-like domain 1	-6.37	0.33	0.00
A_51_P354609	NM_145152	Lrrc3	237387	leucine rich repeat containing 3	-4.70	0.33	0.00
A_51_P400543	NM_019467	Aif1	11629	allograft inflammatory factor 1	-4.08	0.33	0.00
A_51_P157406	NM_008963	Ptgds	19215	prostaglandin D2 synthase (brain)	-4.25	0.33	0.00
A_51_P214087	NM_007678	Cebpa	12606	CCAAT/enhancer binding protein (C/EBP), alpha	-4.67	0.33	0.00
A_52_P134141	NM_025574	Pigy	66459	phosphatidylinositol glycan anchor biosynthesis, class Y	-5.60	0.33	0.00
A_51_P517672	NM_178779	Rnf152	320311	ring finger protein 152	-6.24	0.32	0.00
A_51_P304681	AF134983	Clpx	270166	caseinolytic peptidase X (E.coli)	-3.81	0.32	0.00
A_51_P223132	XM_486227	NA	NA	NA	-4.19	0.32	0.00
A_51_P242043	NM_053272	Dhcr24	74754	24-dehydrocholesterol reductase	-4.55	0.32	0.00
A_52_P391718	NM_009079	Rpl22	19934	ribosomal protein L22	-5.75	0.32	0.00
A_52_P113350	NM_212433	Fbxo3	57443	F-box protein 3	-8.25	0.32	0.00
A_51_P320089	NM_008129	Gclm	14630	glutamate-cysteine ligase, modifier subunit	-4.54	0.32	0.00
A_52_P384574	NM_133774	Stard4	170459	StAR-related lipid transfer (START) domain containing 4	-3.54	0.32	0.01
A_52_P1075623	AK037052	NA	NA	NA	-6.68	0.32	0.00
A_51_P403536	NM_175641	Ltbp4	108075	latent transforming growth factor beta binding protein 4	-6.03	0.32	0.00
A_51_P118320	NM_138601	D10Jhu81e	28295	DNA segment, Chr 10, Johns Hopkins University 81 expressed	-6.56	0.32	0.00
A_51_P272023	NM_025786	Rnf186	66825	ring finger protein 186	-4.76	0.32	0.00
A_51_P332917	BC005527	Enpp3	209558	ectonucleotide pyrophosphatase/phosphodiesterase 3	-4.14	0.32	0.00
A_52_P487362	NM_028980	Ppp4r4	74521	protein phosphatase 4, regulatory subunit 4	-6.78	0.32	0.00
A_51_P262773	NM_007664	Cdh2	12558	cadherin 2	-5.07	0.32	0.00
A_52_P488427	NM_144520	Sec14l2	67815	SEC14-like 2 (S. cerevisiae)	-3.47	0.32	0.01
A_51_P491329	NM_026018	Pdzk1ip1	67182	PDZK1 interacting protein 1	-8.21	0.32	0.00

A_51_P209782	NM_001001	Cyp2c44	226143	cytochrome P450, family 2, subfamily c, polypeptide 44	-4.70	0.32	0.00
A_51_P268331	NM_023270	Rnf128	66889	ring finger protein 128	-4.57	0.32	0.00
A_51_P396917	NM_026752	Zfyve21	68520	zinc finger, FYVE domain containing 21	-6.50	0.32	0.00
A_51_P294891	NM_133249	Ppargc1b	170826	peroxisome proliferative activated receptor, gamma, coactivator 1 beta	-5.57	0.32	0.00
A_51_P519008	NM_177595	Mkx	210719	mohawk homeobox	-4.89	0.32	0.00
A_52_P622355	AK008145	Igl-V1	16142	immunoglobulin lambda chain, variable 1	-5.62	0.32	0.00
A_52_P156452	NM_007717	Cmah	12763	cytidine monophospho-N-acetylneuraminic acid hydroxylase	-5.39	0.32	0.00
A_52_P598634	AK045413	119000710	544717	RIKEN cDNA 1190007107 gene	-6.16	0.32	0.00
A_51_P278550	NM_134118	Tecr	106529	trans-2,3-enoyl-CoA reductase	-6.72	0.32	0.00
A_51_P451588	NM_013746	Plekhb1	27276	pleckstrin homology domain containing, family B (evectins) member 1	-5.61	0.32	0.00
A_52_P374314	NA	NA	NA	NA	-6.79	0.32	0.00
A_52_P456898	NM_030717	Lactb	80907	lactamase, beta	-3.89	0.32	0.00
A_52_P487599	NM_178413	Thnsl2	232078	threonine synthase-like 2 (bacterial)	-8.28	0.32	0.00
A_52_P140881	NM_177615	Slc26a10	216441	solute carrier family 26, member 10	-6.02	0.32	0.00
A_51_P430973	NM_027995	Paqr7	71904	progesterin and adipoQ receptor family member VII	-3.43	0.32	0.01
A_51_P178735	NM_146108	Hibch	227095	3-hydroxyisobutyryl-Coenzyme A hydrolase	-4.40	0.32	0.00
A_52_P644690	AK041146	NA	NA	NA	-5.39	0.32	0.00
A_51_P175581	NM_183028	Pcmt1	319263	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	-6.45	0.32	0.00
A_52_P18775	NM_175471	Cyb5rl	230582	cytochrome b5 reductase-like	-5.11	0.32	0.00
A_52_P302012	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-4.96	0.32	0.00
A_52_P544410	BC010667	Ap3m1	55946	adaptor-related protein complex 3, mu 1 subunit	-4.15	0.32	0.00
A_51_P450191	NM_026639	Art4	109978	ADP-ribosyltransferase 4	-6.97	0.32	0.00
A_52_P78514	AK054415	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide	-8.23	0.32	0.00
A_51_P335000	NM_001077	Fhl1	14199	four and a half LIM domains 1	-3.62	0.32	0.00
A_51_P138060	NM_011883	Rnf13	24017	ring finger protein 13	-6.83	0.32	0.00
A_51_P112817	NM_024264	Cyp27a1	104086	cytochrome P450, family 27, subfamily a, polypeptide 1	-5.53	0.32	0.00

A_51_P206824	NM_027126	Hfe2	69585	hemochromatosis type 2 (juvenile) (human homolog)	-3.87	0.32	0.00
A_51_P181312	NM_026428	Dcxr	67880	dicarbonyl L-xylulose reductase	-7.65	0.32	0.00
A_51_P231042	NM_053094	Cd163	93671	CD163 antigen	-3.32	0.32	0.01
				DNA segment, Chr 10, Johns Hopkins University 81			
A_52_P498167	NM_138601	D10Jhu81e	28295	expressed	-8.47	0.32	0.00
A_52_P441634	NM_177960	Idi1	319554	isopentenyl-diphosphate delta isomerase	-3.86	0.32	0.00
A_52_P176573	NM_011983	Homer2	26557	homer homolog 2 (Drosophila)	-5.58	0.32	0.00
A_52_P637360	NA	NA	NA	NA	-3.25	0.32	0.01
A_52_P506984	BC015294	Glyat	107146	glycine-N-acyltransferase	-3.63	0.32	0.00
A_51_P487175	NM_212441	Acsm3	20216	acyl-CoA synthetase medium-chain family member 3	-3.38	0.32	0.01
A_51_P102789	NM_007574	C1qc	12262	complement component 1, q subcomponent, C chain	-4.17	0.32	0.00
A_52_P566665	NM_025809	Clec14a	66864	C-type lectin domain family 14, member a	-5.36	0.32	0.00
A_51_P498640	NM_172134	Pdxk	216134	pyridoxal (pyridoxine, vitamin B6) kinase	-4.41	0.32	0.00
A_52_P657825	AK035670	Sypl	19027	synaptophysin-like protein	-4.44	0.32	0.00
A_52_P293682	XM_914209	NA	NA	NA	-5.35	0.32	0.00
A_51_P369784	NM_133660	Es22	13897	esterase 22	-4.26	0.32	0.00
				amyotrophic lateral sclerosis 2 (juvenile) homolog			
A_52_P311297	NM_028717	Als2	74018	(human)	-5.05	0.31	0.00
A_51_P451458	NM_174857	Mamdc2	71738	MAM domain containing 2	-5.04	0.31	0.00
A_52_P421698	NM_027816	Cyp2u1	71519	cytochrome P450, family 2, subfamily u, polypeptide 1	-4.97	0.31	0.00
A_52_P120022	NM_197945	RP23-100C	241638	ProSAPiP1 protein	-6.67	0.31	0.00
A_51_P291135	NM_007996	Fdx1	14148	ferredoxin 1	-8.72	0.31	0.00
				EGF, latrophilin seven transmembrane domain			
A_51_P480328	NM_133222	Elt1	170757	containing 1	-5.79	0.31	0.00
A_52_P354183	NM_027436	Mipep	70478	mitochondrial intermediate peptidase	-10.42	0.31	0.00
A_52_P442691	NM_023644	Mccc1	72039	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-5.48	0.31	0.00
A_52_P94401	NM_177708	Rtn4rl1	237847	reticulon 4 receptor-like 1	-3.19	0.31	0.01
A_51_P355629	NM_008087	Gas2	14453	growth arrest specific 2	-3.65	0.31	0.00

A_52_P504361	NM_013792	Naglu	27419	alpha-N-acetylglucosaminidase (Sanfilippo disease IIIB)	-5.96	0.31	0.00
A_51_P336827	NM_025558	Cyb5b	66427	cytochrome b5 type B	-5.41	0.31	0.00
A_51_P265093	AK144671	Aasdhppt	67618	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	-7.68	0.31	0.00
A_52_P223194	NM_008830	Abcb4	18670	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-3.48	0.31	0.01
A_51_P381683	NM_007377	Aatk	11302	apoptosis-associated tyrosine kinase	-5.02	0.31	0.00
A_51_P213030	NM_134147	MacroD1	107227	MACRO domain containing 1	-5.55	0.31	0.00
A_51_P377856	NM_133994	Gstt3	103140	glutathione S-transferase, theta 3	-4.87	0.31	0.00
A_51_P224263	NM_134052	Adi1	104923	acireductone dioxygenase 1	-3.74	0.31	0.00
A_51_P492408	NM_026784	Pmvk	68603	phosphomevalonate kinase	-5.13	0.31	0.00
A_51_P247928	AB059646	Clmn	94040	calmin	-6.37	0.31	0.00
A_51_P126476	NM_010863	Myo1b	17912	myosin IB	-5.23	0.31	0.00
A_51_P275623	NM_015828	Gne	50798	glucosamine	-5.85	0.31	0.00
A_51_P295085	NM_008760	Ogn	18295	osteoglycin	-4.13	0.31	0.00
A_51_P293938	NM_026878	Rasl11b	68939	RAS-like, family 11, member B	-5.68	0.31	0.00
A_51_P383741	NM_007554	Bmp4	12159	bone morphogenetic protein 4	-7.35	0.31	0.00
A_51_P167527	NM_008524	Lum	17022	lumican	-4.36	0.31	0.00
A_51_P378545	NM_028030	Rbpms2	71973	RNA binding protein with multiple splicing 2	-7.66	0.31	0.00
A_51_P475138	XM_130483	Duox1	99439	dual oxidase 1	-5.13	0.31	0.00
A_51_P304757	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated protein-like 1	-6.26	0.31	0.00
A_51_P339232	NM_009228	Snta1	20648	syntrophin, acidic 1	-5.17	0.31	0.00
A_51_P364609	NM_019699	Fads2	56473	fatty acid desaturase 2	-7.76	0.31	0.00
A_51_P270364	NM_133823	Mmaa	109136	methylmalonic aciduria (cobalamin deficiency) type A	-5.88	0.31	0.00
A_51_P139320	NM_025273	Pcbd1	13180	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 1	-4.28	0.31	0.00
A_51_P326529	NM_181277	Col14a1	12818	collagen, type XIV, alpha 1	-4.54	0.31	0.00
A_51_P335051	NM_016668	Bhmt	12116	betaine-homocysteine methyltransferase	-3.42	0.31	0.01
A_51_P431470	NM_026178	Mmd	67468	monocyte to macrophage differentiation-associated	-3.98	0.31	0.00

A_51_P311434	NM_025797	Cyb5	109672	cytochrome b-5	-5.54	0.31	0.00
A_52_P321342	NM_028785	Dock8	76088	dedicator of cytokinesis 8	-8.54	0.31	0.00
A_51_P368591	NM_053254	Tle6	114606	transducin-like enhancer of split 6, homolog of Drosophila E(spl)	-6.03	0.31	0.00
A_51_P380824	NM_146891	Olf1r1225	258893	olfactory receptor 1225	-4.79	0.31	0.00
A_51_P455647	NM_009801	Car2	12349	carbonic anhydrase 2	-5.66	0.31	0.00
A_52_P416072	NM_010145	Ephx1	13849	epoxide hydrolase 1, microsomal	-5.25	0.31	0.00
A_52_P125354	NM_019488	Slc2a8	56017	solute carrier family 2, (facilitated glucose transporter), member 8	-7.80	0.31	0.00
A_51_P103706	NM_007815	Cyp2c29	13095	cytochrome P450, family 2, subfamily c, polypeptide 29	-4.29	0.31	0.00
A_51_P376789	NM_145387	Ath11	212974	ATH1, acid trehalase-like 1 (yeast)	-4.14	0.31	0.00
A_51_P185639	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-8.24	0.31	0.00
A_51_P513460	NM_015780	Cfhr1	50702	complement factor H-related 1	-8.80	0.31	0.00
A_51_P335849	NM_023465	Ctnnbip1	67087	catenin beta interacting protein 1	-6.71	0.31	0.00
A_51_P400463	XM_980293	NA	NA	NA	-7.62	0.31	0.00
A_51_P356355	AK017654	Cds2	110911	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	-6.48	0.31	0.00
A_51_P243323	AK046666	1110020G09	68646	RIKEN cDNA 1110020G09 gene	-5.73	0.30	0.00
A_51_P435339	NM_010149	Epor	13857	erythropoietin receptor	-8.41	0.30	0.00
A_52_P262511	NM_021472	Rnase4	58809	ribonuclease, RNase A family 4	-3.61	0.30	0.00
A_51_P446825	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-4.30	0.30	0.00
A_51_P150763	NM_145852	Ropn1l	252967	ropporin 1-like	-5.67	0.30	0.00
A_51_P326942	NM_010941	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like hydroxy-delta-5-steroid dehydrogenase, 3 beta- and	-3.50	0.30	0.01
A_51_P435911	NM_133943	Hsd3b7	101502	steroid delta-isomerase 7	-5.74	0.30	0.00
A_51_P204582	NM_019403	Rnf5	54197	ring finger protein 5	-5.93	0.30	0.00
A_52_P415996	NM_008184	Gstm6	14867	glutathione S-transferase, mu 6	-5.75	0.30	0.00
A_51_P378777	NM_029090	Nat15	74763	N-acetyltransferase 15 (GCN5-related, putative)	-5.55	0.30	0.00
A_51_P293901	NM_026819	Dhrs1	52585	dehydrogenase/reductase (SDR family) member 1	-6.22	0.30	0.00
A_51_P240857	NM_144807	Chpt1	212862	choline phosphotransferase 1	-5.87	0.30	0.00
A_51_P291129	NM_007996	Fdx1	14148	ferredoxin 1	-6.98	0.30	0.00
A_51_P286131	NM_030021	D730039F1	177996	RIKEN cDNA D730039F16 gene	-3.85	0.30	0.00

A_52_P184588	NM_001012:Slc2a9	117591	solute carrier family 2 (facilitated glucose transporter), member 9	-7.23	0.30	0.00
A_52_P508920	NM_147218 Abca6	76184	ATP-binding cassette, sub-family A (ABC1), member 6	-4.86	0.30	0.00
A_52_P574720	NM_010959 Oit3	18302	oncoprotein induced transcript 3	-4.48	0.30	0.00
A_52_P427438	AK220454 C2cd2	207781	C2 calcium-dependent domain containing 2	-7.02	0.30	0.00
A_52_P515769	NM_017378 Pcdh12	53601	protocadherin 12	-3.73	0.30	0.00
A_51_P356169	NM_013861 Tpk1	29807	thiamine pyrophosphokinase	-3.89	0.30	0.00
A_51_P443293	NM_011933 Decr2	26378	2-4-dienoyl-Coenzyme A reductase 2, peroxisomal	-5.51	0.30	0.00
A_52_P244312	AK158571 Svip	75744	small VCP/p97-interacting protein	-6.40	0.30	0.00
A_51_P264673	AK083198 Prlr	19116	prolactin receptor	-6.13	0.30	0.00
A_52_P575217	NM_139300 Mylk	107589	myosin, light polypeptide kinase	-4.81	0.30	0.00
A_51_P402583	NM_008156 Gpld1	14756	glycosylphosphatidylinositol specific phospholipase D1	-6.64	0.30	0.00
A_52_P467805	NM_053196 Sfxn2	94279	sideroflexin 2	-4.11	0.30	0.00
A_52_P804224	AK141415 Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-4.85	0.30	0.00
A_51_P277336	NM_138741 Sdpr	20324	serum deprivation response	-3.21	0.30	0.01
A_51_P182685	NM_145157 Defb19	246700	defensin beta 19	-2.74	0.30	0.05
A_52_P676744	NM_016973 St6galnac6	50935	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	-5.10	0.30	0.00
A_52_P277205	NM_011780 Adam23	23792	a disintegrin and metallopeptidase domain 23	-4.50	0.30	0.00
A_51_P476481	NM_145548 Cyp2j13	230459	cytochrome P450, family 2, subfamily j, polypeptide 13	-5.98	0.30	0.00
A_51_P352303	NM_011983 Homer2	26557	homer homolog 2 (Drosophila)	-5.99	0.30	0.00
A_51_P276039	NM_175150 Txndc15	69672	thioredoxin domain containing 15	-5.35	0.30	0.00
A_51_P495331	XM_130232 Neb	17996	nebulin	-4.88	0.30	0.00
A_51_P300726	NM_011014 Sigmar1	18391	sigma non-opioid intracellular receptor 1	-4.90	0.30	0.00
A_52_P208471	NM_145527 Madd	228355	MAP-kinase activating death domain	-8.92	0.30	0.00
A_51_P170795	NM_178739 Dcaf12l1	245404	DDB1 and CUL4 associated factor 12-like 1	-5.18	0.30	0.00
A_51_P502599	NM_010004 Cyp2c40	13099	cytochrome P450, family 2, subfamily c, polypeptide 40	-4.75	0.30	0.00
A_51_P120137	NM_201361 Fam82a1	381110	family with sequence similarity 82, member A1	-5.15	0.30	0.00

A_51_P158638	NA	NA	NA	NA	-5.58	0.30	0.00
A_51_P451052	NM_175013	Pgm5	226041	phosphoglucomutase 5	-4.99	0.30	0.00
A_51_P338485	NM_134042	Aldh6a1	104776	aldehyde dehydrogenase family 6, subfamily A1	-8.04	0.30	0.00
A_51_P484842	NM_007493	Asgr2	11890	asialoglycoprotein receptor 2	-9.56	0.30	0.00
A_52_P32453	AK011222	1110020A2	68531	RIKEN cDNA 1110020A21 gene	-4.98	0.30	0.00
A_51_P451574	NM_012006	Acot1	26897	acyl-CoA thioesterase 1	-3.47	0.30	0.01
A_52_P339742	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-10.43	0.30	0.00
A_52_P255494	BB425408	Sec22c	215474	SEC22 vesicle trafficking protein homolog C (<i>S. cerevisiae</i>)	-5.02	0.30	0.00
A_51_P320481	NM_028626	Mcee	73724	methylmalonyl CoA epimerase	-5.36	0.30	0.00
A_51_P425772	NM_021273	Ckb	12709	creatine kinase, brain	-4.65	0.30	0.00
A_52_P269057	AK042006	Elp4	77766	elongation protein 4 homolog (<i>S. cerevisiae</i>)	-6.47	0.30	0.00
A_51_P268734	NM_133727	Kptn	70394	kaptin	-4.61	0.30	0.00
A_51_P153565	NM_008360	Il18	16173	interleukin 18	-5.80	0.30	0.00
A_51_P262230	NM_145466	A2ld1	223267	AlG2-like domain 1	-6.86	0.30	0.00
A_51_P444437	NM_025968	Ptgr1	67103	prostaglandin reductase 1	-5.41	0.30	0.00
A_51_P239750	NM_008380	Inhba	16323	inhibin beta-A	-6.27	0.30	0.00
A_51_P395309	NA	NA	NA	NA	-4.05	0.30	0.00
A_51_P150770	NM_145852	Ropn1l	252967	ropporin 1-like	-5.80	0.29	0.00
A_51_P304397	BC100404	Cpm	70574	carboxypeptidase M	-5.29	0.29	0.00
A_51_P190690	NM_025369	Mrps36	66128	mitochondrial ribosomal protein S36	-5.34	0.29	0.00
A_52_P4271	AK150666	Tcp1	21454	t-complex protein 1	-7.29	0.29	0.00
A_51_P279100	NM_008969	Ptgs1	19224	prostaglandin-endoperoxide synthase 1	-4.59	0.29	0.00
A_51_P190697	NM_025369	Mrps36	66128	mitochondrial ribosomal protein S36	-7.86	0.29	0.00
A_51_P484718	AK018051	Dock8	76088	dedicator of cytokinesis 8	-5.69	0.29	0.00
A_51_P394973	NM_026598	Ebpl	68177	emopamil binding protein-like	-7.85	0.29	0.00
A_52_P255782	NM_175316	Slco2b1	101488	solute carrier organic anion transporter family, member 2b1	-4.22	0.29	0.00
A_52_P965217	AI451738	NA	NA	NA	-7.17	0.29	0.00
A_52_P184145	NM_145564	Fbxo21	231670	F-box protein 21	-5.88	0.29	0.00
A_51_P162671	NM_008035	Folr2	14276	folate receptor 2 (fetal)	-4.85	0.29	0.00
A_51_P365885	NM_001037	Csf1r	12978	colony stimulating factor 1 receptor	-4.60	0.29	0.00
A_51_P475244	NM_133984	Hemk1	69536	HemK methyltransferase family member 1	-5.43	0.29	0.00
A_51_P478952	NM_133898	N4bp2l1	100637	NEDD4 binding protein 2-like 1	-4.37	0.29	0.00

A_52_P187820	AK017029	Arhgap26	71302	Rho GTPase activating protein 26	-9.03	0.29	0.00
A_52_P517683	NM_011526	Tagln	21345	transgelin	-4.55	0.29	0.00
A_52_P223618	NM_026555	Rcn3	52377	reticulocalbin 3, EF-hand calcium binding domain	-8.14	0.29	0.00
A_52_P317653	NM_009799	Car1	12346	carbonic anhydrase 1	-7.25	0.29	0.00
A_51_P402267	NM_134069	Slc17a3	105355	solute carrier family 17 (sodium phosphate), member 3	-3.79	0.29	0.00
A_51_P329711	NM_177960	Idi1	319554	isopentenyl-diphosphate delta isomerase	-4.56	0.29	0.00
A_51_P340355	NM_172310	Tarsl2	272396	threonyl-tRNA synthetase-like 2	-6.47	0.29	0.00
A_51_P372473	NM_016709	Auh	11992	AU RNA binding protein/enoyl-coenzyme A hydratase	-7.32	0.29	0.00
A_52_P210246	NM_144855	Cbs	12411	cystathionine beta-synthase	-6.58	0.29	0.00
A_51_P418765	NM_009266	Sephs2	20768	selenophosphate synthetase 2	-4.84	0.29	0.00
A_51_P176352	NM_013864	Ndrp2	29811	N-myc downstream regulated gene 2	-6.74	0.29	0.00
A_52_P240796	NM_009040	Rdh16	19683	retinol dehydrogenase 16	-5.04	0.29	0.00
A_51_P253481	NM_021456	Ces1	12623	carboxylesterase 1	-3.57	0.29	0.01
A_52_P118706	NM_176994	9630013D2319743		RIKEN cDNA 9630013D21 gene	-6.70	0.29	0.00
A_51_P126563	NM_008769	Otc	18416	ornithine transcarbamylase	-4.37	0.29	0.00
A_52_P123230	NM_175438	Aldh4a1	212647	aldehyde dehydrogenase 4 family, member A1	-4.90	0.29	0.00
A_52_P562267	NM_001033	9130409I2	619326	RIKEN cDNA 9130409I23 gene	-5.96	0.29	0.00
A_51_P165165	NM_145567	Hibadh	58875	3-hydroxyisobutyrate dehydrogenase	-6.27	0.29	0.00
A_51_P104891	NM_027652	D5Wsu178	28042	DNA segment, Chr 5, Wayne State University 178, expressed	-2.81	0.29	0.04
A_51_P109668	NM_023672	Ssbp3	72475	single-stranded DNA binding protein 3	-5.02	0.29	0.00
A_51_P212679	XM_901651	NA	NA	NA	-8.80	0.29	0.00
A_51_P324690	NM_053109	Clec2d	93694	C-type lectin domain family 2, member d	-4.51	0.29	0.00
A_51_P358112	NM_146094	Fads1	76267	fatty acid desaturase 1	-6.32	0.29	0.00
A_51_P290074	NM_021272	Fabp7	12140	fatty acid binding protein 7, brain	-4.72	0.29	0.00
A_52_P1085448	NA	NA	NA	NA	-7.34	0.29	0.00
A_51_P173107	AK007796	1810046K0	69809	RIKEN cDNA 1810046K07 gene	-4.26	0.29	0.00
A_52_P496424	NM_018859	Akr1e1	56043	aldo-keto reductase family 1, member E1	-4.89	0.29	0.00
A_52_P544596	NM_133732	4931406C0	70984	RIKEN cDNA 4931406C07 gene	-6.68	0.29	0.00
A_51_P164939	NM_144916	Tmem150a	232086	transmembrane protein 150A	-4.72	0.29	0.00
A_52_P618693	NM_011336	Ccl27a	20301	chemokine (C-C motif) ligand 27A	-5.57	0.29	0.00
A_52_P615138	NM_025558	Cyb5b	66427	cytochrome b5 type B	-7.09	0.29	0.00

A_51_P209401	BC062811	1810020D166273		RIKEN cDNA 1810020D17 gene	-7.93	0.29	0.00
A_51_P457397	AK009140	Dpp8	74388	dipeptidylpeptidase 8	-4.35	0.29	0.00
A_52_P141141	NM_029347	Fggy	75578	FGGY carbohydrate kinase domain containing	-7.73	0.29	0.00
A_52_P470150	NM_016672	Ddc	13195	dopa decarboxylase	-3.74	0.29	0.00
A_52_P96898	AK002636	Srr	27364	serine racemase	-7.17	0.29	0.00
A_51_P242687	NA	NA	NA	NA	-3.86	0.29	0.00
A_51_P461444	L26316	Dhfr	13361	dihydrofolate reductase	-7.00	0.29	0.00
A_51_P443082	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3	-3.73	0.29	0.00
A_52_P297803	NM_010941	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-5.24	0.28	0.00
A_51_P520879	D89677	Sh3d19	27059	SH3 domain protein D19	-3.76	0.28	0.00
A_51_P394115	NM_023383	Aadac	67758	arylacetamide deacetylase (esterase)	-4.45	0.28	0.00
A_51_P170823	NM_019867	Ngef	53972	neuronal guanine nucleotide exchange factor	-5.35	0.28	0.00
A_52_P635278	NM_199307	Ece1	230857	endothelin converting enzyme 1	-7.71	0.28	0.00
A_52_P200121	NM_010004	Cyp2c40	13099	cytochrome P450, family 2, subfamily c, polypeptide 40	-3.86	0.28	0.00
A_51_P393654	NM_175514	Fam171b	241520	family with sequence similarity 171, member B	-7.43	0.28	0.00
A_52_P302587	NM_023543	Chn2	69993	chimerin (chimaerin) 2	-6.34	0.28	0.00
A_51_P426276	NM_133667	Pdk2	18604	pyruvate dehydrogenase kinase, isoenzyme 2	-8.20	0.28	0.00
A_51_P157255	NM_008304	Sdc2	15529	syndecan 2	-4.69	0.28	0.00
A_51_P308048	NM_027294	Cmtm8	70031	CKLF-like MARVEL transmembrane domain containing 8	-5.80	0.28	0.00
A_51_P292550	AK052715	Chdh	218865	choline dehydrogenase	-3.53	0.28	0.01
A_52_P673722	NM_134094	Ncald	52589	neurocalcin delta	-4.88	0.28	0.00
A_52_P45124	U49949	Mink1	50932	misshapen-like kinase 1 (zebrafish)	-3.69	0.28	0.00
A_51_P341369	NM_025861	Pqlc1	66943	PQ loop repeat containing 1	-6.59	0.28	0.00
A_51_P164203	NM_019731	Nme4	56520	non-metastatic cells 4, protein expressed in	-5.12	0.28	0.00
A_51_P271160	NM_147068	Olfr166	259071	olfactory receptor 166	-3.01	0.28	0.02
A_52_P55258	XM_981410	NA	NA	NA	-6.28	0.28	0.00
A_52_P236619	AK050412	181000811	73625	RIKEN cDNA 1810008118 gene	-3.83	0.28	0.00
A_51_P259296	NM_008509	Lpl	16956	lipoprotein lipase	-5.22	0.28	0.00
A_51_P470205	AK018460	Mobkl2b	214944	MOB1, Mps One Binder kinase activator-like 2B (yeast)	-5.36	0.28	0.00
A_51_P345248	NM_053196	Sfxn2	94279	sideroflexin 2	-4.91	0.28	0.00

A_52_P249283	BC064077	Gm5376	385234	predicted gene 5376	-6.15	0.28	0.00
A_52_P405460	BC008228	Gprc5c	70355	G protein-coupled receptor, family C, group 5, member C	-5.52	0.28	0.00
A_51_P283766	NM_028199	Plxdc1	72324	plexin domain containing 1	-7.78	0.28	0.00
A_52_P337427	NM_027829	9030607L1	71564	RIKEN cDNA 9030607L17 gene	-10.09	0.28	0.00
A_51_P143682	NM_021346	Zfp318	57908	zinc finger protein 318	-5.27	0.28	0.00
A_51_P221031	NM_172838	Slc16a12	240638	solute carrier family 16 (monocarboxylic acid transporters), member 12	-3.41	0.28	0.01
A_51_P238183	XM_903670	NA	NA	NA	-5.89	0.28	0.00
A_51_P352738	NM_033564	Mpv17l	93734	Mpv17 transgene, kidney disease mutant-like	-4.89	0.28	0.00
A_51_P447785	NM_028089	Cyp2c55	72082	cytochrome P450, family 2, subfamily c, polypeptide 55	-4.28	0.28	0.00
A_51_P115049	NM_007962	Mpzl2	14012	myelin protein zero-like 2	-5.35	0.28	0.00
A_52_P117325	NM_011250	Rbl2	19651	retinoblastoma-like 2	-5.80	0.28	0.00
A_52_P176659	V00829	NA	NA	NA	-5.63	0.28	0.00
A_51_P169527	NM_023556	Mvk	17855	mevalonate kinase	-5.22	0.28	0.00
A_52_P2754	NM_019467	Aif1	11629	allograft inflammatory factor 1	-5.08	0.28	0.00
A_51_P475580	NM_139297	Ugp2	216558	UDP-glucose pyrophosphorylase 2	-4.50	0.28	0.00
A_52_P165657	NM_007870	Dnase1l3	13421	deoxyribonuclease 1-like 3	-5.59	0.28	0.00
A_52_P145912	NM_139300	Mylk	107589	myosin, light polypeptide kinase	-6.05	0.27	0.00
A_51_P352324	NM_009197	Slc16a2	20502	solute carrier family 16 (monocarboxylic acid transporters), member 2	-11.97	0.27	0.00
A_51_P433837	NM_001033	Slc22a23	73102	solute carrier family 22, member 23	-4.56	0.27	0.00
A_51_P398683	NM_026555	Rcn3	52377	reticulocalbin 3, EF-hand calcium binding domain	-6.04	0.27	0.00
A_52_P286098	NA	NA	NA	NA	-6.30	0.27	0.00
A_52_P407145	NM_025299	Txnl4a	27366	thioredoxin-like 4A	-5.53	0.27	0.00
A_52_P372062	NM_133695	NA	NA	NA	-11.41	0.27	0.00
A_51_P199725	NM_146161	Arhgap24	231532	Rho GTPase activating protein 24	-9.43	0.27	0.00
A_52_P63905	NM_016672	Ddc	13195	dopa decarboxylase	-6.09	0.27	0.00
A_52_P70027	BC100533	Cox16	66272	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)	-6.09	0.27	0.00
A_51_P157462	NM_009060	Rgn	19733	regucalcin	-6.51	0.27	0.00
A_51_P164539	NM_033474	Arvcf	11877	armadillo repeat gene deleted in velo-cardio-facial syndrome	-7.39	0.27	0.00

A_51_P510764	AK040702	Tmem195	319660	transmembrane protein 195	-5.49	0.27	0.00
A_51_P239737	NM_011082	Pigr	18703	polymeric immunoglobulin receptor	-4.79	0.27	0.00
A_51_P295896	NM_028934	4930452B0	74430	RIKEN cDNA 4930452B06 gene	-6.25	0.27	0.00
A_52_P61864	NM_023653	Wnt2	22413	wingless-related MMTV integration site 2	-5.10	0.27	0.00
A_51_P462422	NM_008124	Gjb1	14618	gap junction protein, beta 1	-5.58	0.27	0.00
A_51_P261737	NM_021517	Pdzk1	59020	PDZ domain containing 1	-4.68	0.27	0.00
A_51_P200529	NM_138670	Mpst	246221	mercaptopyruvate sulfurtransferase	-7.17	0.27	0.00
A_52_P497908	BC065077	Lhx6	16874	LIM homeobox protein 6	-5.08	0.27	0.00
A_51_P410703	NM_133351	Prss8	76560	protease, serine, 8 (prostasin)	-3.77	0.27	0.00
A_52_P202367	NM_001013	Gm10319	381806	predicted gene 10319	-5.73	0.27	0.00
A_51_P242859	NM_013777	Akr1c12	622402	aldo-keto reductase family 1, member C12	-8.87	0.27	0.00
A_52_P551603	NM_172681	D930015E0	229473	RIKEN cDNA D930015E06 gene	-9.60	0.27	0.00
A_52_P329197	NM_010049	Dhfr	13361	dihydrofolate reductase	-7.45	0.27	0.00
A_52_P226489	CJ042244	NA	NA	NA	-5.66	0.27	0.00
A_51_P397375	NM_144896	Pet112l	229487	PET112-like (yeast)	-6.97	0.27	0.00
A_51_P313337	AK077261	2700089E2	381820	RIKEN cDNA 2700089E24 gene	-4.78	0.27	0.00
A_51_P295034	NM_010915	Klk1b4	18048	kallikrein 1-related peptidase b4	-6.61	0.27	0.00
A_51_P424868	NM_026524	Mid1ip1	68041	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))	-4.81	0.27	0.00
A_51_P282975	NM_023644	Mccc1	72039	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-6.51	0.27	0.00
A_52_P573543	NM_201607	Pde4c	110385	phosphodiesterase 4C, cAMP specific	-7.79	0.27	0.00
A_51_P194498	NM_023395	Wfdc1	67866	WAP four-disulfide core domain 1	-8.96	0.27	0.00
A_52_P325388	AK080904	Ttc39c	72747	tetratricopeptide repeat domain 39C	-6.72	0.27	0.00
A_51_P112223	NM_010357	Gsta4	14860	glutathione S-transferase, alpha 4	-5.46	0.27	0.00
A_51_P503625	NM_001077	Gsta3	14859	glutathione S-transferase, alpha 3	-4.40	0.27	0.00
A_51_P359516	NM_199223	Rtn4rl2	269295	reticulon 4 receptor-like 2	-4.54	0.27	0.00
A_51_P358256	NM_009803	Nr1i3	12355	nuclear receptor subfamily 1, group I, member 3	-3.73	0.27	0.00
A_51_P499905	NM_010365	Gtf2i	14886	general transcription factor II I	-3.76	0.27	0.00
A_52_P442414	NM_172928	Dclk3	245038	doublecortin-like kinase 3	-10.43	0.27	0.00
A_51_P422369	NM_001013	Odf3b	70113	outer dense fiber of sperm tails 3B	-6.80	0.26	0.00
A_51_P214306	NM_145462	Haus4	219072	HAUS augmin-like complex, subunit 4	-5.19	0.26	0.00
A_51_P404904	NM_013770	Slc25a10	27376	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10	-4.59	0.26	0.00

A_52_P281924	NM_016872	Vamp5	53620	vesicle-associated membrane protein 5	-5.35	0.26	0.00
A_51_P457430	NM_172960	Adck5	268822	aarF domain containing kinase 5	-5.33	0.26	0.00
A_51_P406583	NM_181072	Myo1e	71602	myosin IE	-5.46	0.26	0.00
A_52_P571419	NA	NA	NA	NA	-4.23	0.26	0.00
A_51_P432563	NM_031178	Tlr9	81897	toll-like receptor 9	-7.87	0.26	0.00
A_52_P288251	NM_001001	Tmem204	407831	transmembrane protein 204	-5.89	0.26	0.00
A_52_P561746	NM_009707	Arhgap6	11856	Rho GTPase activating protein 6	-6.32	0.26	0.00
A_52_P141136	AK009249	Fggy	75578	FGGY carbohydrate kinase domain containing	-7.64	0.26	0.00
A_51_P301274	AK019926	5330431K0	68189	RIKEN cDNA 5330431K02 gene	-5.15	0.26	0.00
A_52_P129697	NM_172656	Stradb	227154	STE20-related kinase adaptor beta	-5.70	0.26	0.00
A_51_P209597	AK143987	Afm	280662	afamin	-9.59	0.26	0.00
A_52_P521882	NM_026812	Hddc3	68695	HD domain containing 3	-5.34	0.26	0.00
A_52_P387237	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3	-6.57	0.26	0.00
A_51_P305138	NA	NA	NA	NA	-4.52	0.26	0.00
A_51_P510037	NM_053184	Ugt2a1	94215	UDP glucuronosyltransferase 2 family, polypeptide A1 aldo-keto reductase family 7, member A5 (aflatoxin	-4.61	0.26	0.00
A_51_P188795	NM_025337	Akr7a5	110198	aldehyde reductase)	-8.40	0.26	0.00
A_51_P484869	NM_010255	Gamt	14431	guanidinoacetate methyltransferase	-4.44	0.26	0.00
A_51_P208511	NM_009924	Cnr2	12802	cannabinoid receptor 2 (macrophage)	-6.57	0.26	0.00
A_51_P237383	NM_021472	Rnase4	58809	ribonuclease, RNase A family 4	-5.03	0.26	0.00
A_51_P269546	NM_031254	Trem2	83433	triggering receptor expressed on myeloid cells 2	-5.05	0.26	0.00
A_51_P475689	NM_026972	Cd209b	69165	CD209b antigen	-7.80	0.26	0.00
A_51_P296737	NM_027211	Anxa13	69787	annexin A13	-2.85	0.26	0.03
A_51_P140576	NM_001038	Mapt	17762	microtubule-associated protein tau	-6.62	0.26	0.00
A_51_P424054	XM_001000	Btbd2	208198	BTB (POZ) domain containing 2	-6.37	0.26	0.00
A_51_P262766	NM_007631	Ccnd1	12443	cyclin D1	-3.75	0.26	0.00
A_51_P291304	BG970498	NA	NA	NA	-4.60	0.26	0.00
A_51_P140742	NM_012043	Islr	26968	immunoglobulin superfamily containing leucine-rich repeat	-8.07	0.26	0.00
A_51_P332217	NM_181418	Ushbp1	234395	Usher syndrome 1C binding protein 1	-5.23	0.26	0.00
A_52_P485939	NM_026228	Slc39a8	67547	solute carrier family 39 (metal ion transporter), member 8	-6.16	0.26	0.00

A_51_P232901	NM_009923	Cnp	12799	2',3'-cyclic nucleotide 3' phosphodiesterase	-6.26	0.26	0.00
A_51_P153170	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-10.18	0.26	0.00
A_51_P492366	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-5.81	0.26	0.00
A_52_P1022311	BC039142	NA	NA	NA	-7.24	0.26	0.00
A_51_P484254	NM_144844	Pcca	110821	propionyl-Coenzyme A carboxylase, alpha polypeptide	-6.89	0.26	0.00
A_51_P191077	NM_207683	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide	-5.60	0.26	0.00
A_52_P640221	NM_001042	Slc22a18	18400	solute carrier family 22 (organic cation transporter), member 18	-10.08	0.26	0.00
A_51_P383399	NM_011921	Aldh1a7	26358	aldehyde dehydrogenase family 1, subfamily A7	-4.82	0.26	0.00
A_51_P434017	NM_133903	Spon2	100689	spondin 2, extracellular matrix protein	-5.85	0.26	0.00
A_51_P482844	AK004291	Pycl	66194	pyrroline-5-carboxylate reductase-like	-4.76	0.26	0.00
A_51_P343356	NM_026158	Isoc2b	67441	isochorismatase domain containing 2b	-6.51	0.26	0.00
A_51_P279308	NM_028793	Acbd5	74159	acyl-Coenzyme A binding domain containing 5	-6.21	0.26	0.00
A_51_P125467	NM_010515	Igf2r	16004	insulin-like growth factor 2 receptor	-8.14	0.26	0.00
A_52_P168496	NM_001077	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transporter), member 2	-5.65	0.26	0.00
A_51_P151628	NM_030717	Lactb	80907	lactamase, beta	-6.45	0.26	0.00
A_51_P497768	XM_130488	NA	NA	NA	-5.04	0.26	0.00
A_51_P196590	NM_008212	Hadh	15107	hydroxyacyl-Coenzyme A dehydrogenase	-5.65	0.26	0.00
A_51_P502422	NM_025790	Acot13	66834	acyl-CoA thioesterase 13	-5.95	0.26	0.00
A_52_P499251	AK020717	Cryl1	68631	crystallin, lambda 1	-6.37	0.26	0.00
A_51_P252545	NM_026447	Ppm1m	67905	protein phosphatase 1M	-6.01	0.26	0.00
A_51_P214663	NM_016785	Tpmt	22017	thiopurine methyltransferase	-6.24	0.26	0.00
A_51_P261092	NM_145559	Slc2a9	117591	solute carrier family 2 (facilitated glucose transporter), member 9	-4.78	0.26	0.00
A_52_P479262	XM_897036	Col6a3	12835	collagen, type VI, alpha 3	-6.95	0.26	0.00
A_51_P468770	NM_024273	4930455C2	76916	RIKEN cDNA 4930455C21 gene	-4.74	0.26	0.00
A_51_P519364	NM_145986	Fam83f	213956	family with sequence similarity 83, member F	-8.26	0.25	0.00
A_51_P476879	NM_172907	Olfml1	244198	olfactomedin-like 1	-5.94	0.25	0.00
A_52_P424826	NM_175646	Txn14b	234723	thioredoxin-like 4B	-5.95	0.25	0.00
A_51_P251352	NM_015829	Slc25a13	50799	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 13	-5.50	0.25	0.00

A_52_P92472	NA	NA	NA	NA	-7.53	0.25	0.00
A_51_P505493	NM_134255	Elov15	68801	ELOVL family member 5, elongation of long chain fatty acids (yeast)	-8.73	0.25	0.00
A_51_P255295	NM_013485	C9	12279	complement component 9	-4.22	0.25	0.00
A_51_P261718	NM_134037	Acly	104112	ATP citrate lyase	-7.04	0.25	0.00
A_52_P642879	NM_145564	Fbxo21	231670	F-box protein 21	-8.15	0.25	0.00
A_51_P483511	NM_028785	Dock8	76088	dedicator of cytokinesis 8	-7.84	0.25	0.00
A_51_P403193	XM_193868	NA	NA	NA	-5.95	0.25	0.00
A_51_P505689	U92949	Kifc2	16581	kinesin family member C2	-7.62	0.25	0.00
A_52_P318040	NA	NA	NA	NA	-6.49	0.25	0.00
A_51_P496074	NM_178162	Agfg2	231801	ArfGAP with FG repeats 2	-5.55	0.25	0.00
A_52_P532384	NA	NA	NA	NA	-7.77	0.25	0.00
A_52_P443578	NM_010074	Dpp4	13482	dipeptidylpeptidase 4	-4.56	0.25	0.00
A_51_P492676	NM_138665	Sardh	192166	sarcosine dehydrogenase	-7.47	0.25	0.00
A_52_P497553	NM_010049	Dhfr	13361	dihydrofolate reductase	-6.77	0.25	0.00
A_52_P35340	NM_133894	Ugt2b38	100559	UDP glucuronosyltransferase 2 family, polypeptide B38	-4.17	0.25	0.00
A_51_P346893	NM_019578	Extl1	56219	exostoses (multiple)-like 1	-4.21	0.25	0.00
A_51_P337101	NM_172448	Rnf43	207742	ring finger protein 43	-6.55	0.25	0.00
A_51_P458778	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	-5.33	0.25	0.00
A_52_P390625	NM_026572	Gcsh	68133	glycine cleavage system protein H (aminomethyl carrier)	-9.49	0.25	0.00
A_51_P458781	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	-4.44	0.25	0.00
A_52_P427449	NM_018832	Magix	54634	MAGI family member, X-linked	-9.76	0.25	0.00
A_51_P202801	NM_019875	Abcb9	56325	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-6.11	0.25	0.00
A_51_P165882	NM_001042	Slc22a18	18400	solute carrier family 22 (organic cation transporter), member 18	-9.27	0.25	0.00
A_52_P590535	NM_007992	Fbln2	14115	fibulin 2	-6.59	0.25	0.00
A_51_P515949	NM_147059	Olfcr668	259061	olfactory receptor 668	-8.02	0.25	0.00
A_52_P458682	NM_008182	Gsta2	14858	glutathione S-transferase, alpha 2 (Yc2)	-4.48	0.25	0.00
A_51_P337195	NM_008952	Pipox	19193	pipecolic acid oxidase	-8.33	0.25	0.00
A_51_P510640	AK015924	4930528F2	75178	RIKEN cDNA 4930528F23 gene	-5.01	0.25	0.00
A_51_P425680	NM_019826	lvd	56357	isovaleryl coenzyme A dehydrogenase	-9.55	0.25	0.00

A_52_P596755	NM_207161	BC048355	381101	cDNA sequence BC048355	-5.45	0.25	0.00
A_52_P297251	NM_009666	Amelx	11704	amelogenin X chromosome	-5.40	0.25	0.00
A_52_P19606	NM_207530	Osbpl1a	64291	oxysterol binding protein-like 1A	-7.86	0.25	0.00
A_52_P633752	NM_007462	Apc	11789	adenomatosis polyposis coli	-8.58	0.25	0.00
A_52_P175518	NM_001029	Rilp	280408	Rab interacting lysosomal protein	-6.10	0.25	0.00
A_52_P569067	NM_023556	Mvk	17855	mevalonate kinase	-6.04	0.25	0.00
A_52_P1013551	NM_010941	Nsdhl	18194	NAD(P) dependent steroid dehydrogenase-like	-5.28	0.25	0.00
A_52_P582112	NM_181821	Hcfc1r1	353502	host cell factor C1 regulator 1 (XPO1-dependent)	-6.01	0.25	0.00
A_52_P981179	NA	NA	NA	NA	-9.49	0.24	0.00
A_51_P484054	NM_010172	F7	14068	coagulation factor VII	-10.71	0.24	0.00
A_51_P166244	BC076637	Osbpl1a	64291	oxysterol binding protein-like 1A	-7.75	0.24	0.00
A_51_P498882	NM_010001	Cyp2c37	13096	cytochrome P450, family 2. subfamily c, polypeptide 37	-3.44	0.24	0.01
A_51_P328652	NM_133348	Acot7	70025	acyl-CoA thioesterase 7	-8.29	0.24	0.00
A_51_P383991	NM_011129	4-Sep	18952	septin 4	-7.88	0.24	0.00
A_51_P179664	NM_008185	Gstt1	14871	glutathione S-transferase, theta 1	-5.89	0.24	0.00
A_51_P157976	NM_029956	Mmab	77697	homolog (human)	-5.44	0.24	0.00
A_52_P347942	NM_146472	Olf1r1384	258464	olfactory receptor 1384	-2.83	0.24	0.04
A_51_P286996	AF089734	Fxyd1	56188	FXD domain-containing ion transport regulator 1	-7.52	0.24	0.00
A_51_P290626	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-8.58	0.24	0.00
A_52_P287219	BC055006	Man2a2	140481	mannosidase 2, alpha 2	-8.53	0.24	0.00
A_52_P163626	BC026782	BC026782	545366	cDNA sequence BC026782	-5.53	0.24	0.00
A_51_P138933	NM_177741	Ppp1r3b	244416	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-5.03	0.24	0.00
A_51_P186601	M29546	Me1	17436	malic enzyme 1, NADP(+)-dependent, cytosolic	-4.26	0.24	0.00
A_51_P120448	NM_025855	Echdc1	52665	enoyl Coenzyme A hydratase domain containing 1	-6.12	0.24	0.00
A_51_P496045	AK020592	9530039L2	78422	RIKEN cDNA 9530039L23 gene	-2.92	0.24	0.03
A_52_P256182	NA	NA	NA	NA	-5.41	0.24	0.00
A_52_P246255	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-3.64	0.24	0.00
A_51_P206153	D13903	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-8.32	0.24	0.00

A_51_P521010	NM_016854	Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-4.48	0.24	0.00
A_52_P50623	AK037554	Itk	16428	IL2-inducible T-cell kinase	-3.20	0.24	0.01
A_52_P550147	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-8.71	0.24	0.00
A_52_P605266	NM_011211	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-6.70	0.24	0.00
A_52_P634039	AK172886	Gpd1l	333433	glycerol-3-phosphate dehydrogenase 1-like	-5.26	0.24	0.00
A_51_P471458	NM_020564	Sult5a1	57429	sulfotransferase family 5A, member 1	-5.07	0.24	0.00
A_52_P411667	NA	NA	NA	NA	-10.40	0.24	0.00
A_51_P277745	NM_013806	Abcc2	12780	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	-6.99	0.24	0.00
A_51_P353895	NM_026935	Sult1c2	69083	sulfotransferase family, cytosolic, 1C, member 2	-5.34	0.24	0.00
A_52_P668514	AK031324	Kank2	235041	KN motif and ankyrin repeat domains 2	-7.39	0.24	0.00
A_52_P121486	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-5.02	0.24	0.00
A_52_P368167	NM_028372	Mblac2	72852	metallo-beta-lactamase domain containing 2	-7.41	0.24	0.00
A_51_P257885	NM_175217	Mmd2	75104	monocyte to macrophage differentiation-associated 2	-5.82	0.24	0.00
A_51_P127215	AK033655	Sesn3	75747	sestrin 3	-6.89	0.24	0.00
A_51_P177691	NM_008075	Gabbr1	14408	gamma-aminobutyric acid (GABA) C receptor, subunit rho 1	-7.63	0.24	0.00
A_52_P42242	NM_139297	Ugp2	216558	UDP-glucose pyrophosphorylase 2	-6.58	0.24	0.00
A_51_P345792	NM_029186	Tmem180	75146	transmembrane protein 180	-5.59	0.24	0.00
A_51_P289239	NM_007977	F8	14069	coagulation factor VIII	-7.09	0.24	0.00
A_52_P401614	NM_175289	NA	NA	NA	-5.48	0.24	0.00
A_51_P140368	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-6.30	0.24	0.00
A_52_P203398	NM_025834	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein	-6.92	0.24	0.00
A_51_P166288	NM_025371	Acy1	109652	aminoacylase 1	-7.79	0.24	0.00
A_51_P181319	NM_026428	Dcxr	67880	dicarbonyl L-xylulose reductase	-7.85	0.24	0.00
A_52_P150903	AK041002	Tubb6	67951	tubulin, beta 6	-4.96	0.24	0.00
A_52_P361165	NM_007494	Ass1	11898	argininosuccinate synthetase 1	-5.81	0.23	0.00
A_52_P9703	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-3.54	0.23	0.01

A_52_P596115	NA	NA	NA	NA	-8.53	0.23	0.00
A_51_P384033	NM_011183	Psен2	19165	presenilin 2	-6.31	0.23	0.00
A_51_P139030	NM_023805	Slc38a3	76257	solute carrier family 38, member 3 transmembrane and tetratricopeptide repeat containing	-7.34	0.23	0.00
A_51_P508485	NM_028651	Tmtc4	70551	4	-7.18	0.23	0.00
A_52_P381484	NM_133903	Spon2	100689	spondin 2, extracellular matrix protein ELOVL family member 5, elongation of long chain fatty	-4.87	0.23	0.00
A_52_P676944	NM_134255	Elovl5	68801	acids (yeast)	-9.27	0.23	0.00
A_52_P91265	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3 calcium/calmodulin-dependent protein kinase II	-5.36	0.23	0.00
A_52_P64687	NM_025451	Camk2n1	66259	inhibitor 1	-5.94	0.23	0.00
A_51_P482051	NM_007820	Cyp3a16	13114	cytochrome P450, family 3, subfamily a, polypeptide 16	-5.01	0.23	0.00
A_52_P619880	BC048732	261000211	72341	RIKEN cDNA 2610002117	-5.28	0.23	0.00
A_51_P290207	NM_153526	Insig1	231070	insulin induced gene 1	-6.40	0.23	0.00
A_51_P159711	NM_053070	Car7	12354	carbonic anhydrase 7 biphenyl hydrolase-like (serine hydrolase, breast	-9.31	0.23	0.00
A_51_P283876	NM_026512	Bphl	68021	epithelial mucin-associated antigen) cadherin, EGF LAG seven-pass G-type receptor 1	-5.29	0.23	0.00
A_51_P440743	NM_009886	Celsr1	12614	(flamingo homolog, Drosophila)	-3.53	0.23	0.01
A_51_P167551	NM_153584	BC031353	235493	cDNA sequence BC031353	-4.55	0.23	0.00
A_51_P276766	NM_007416	Adra1b	11548	adrenergic receptor, alpha 1b	-13.44	0.23	0.00
A_52_P353417	NM_010299	Gm2a	14667	GM2 ganglioside activator protein	-7.83	0.23	0.00
A_51_P251069	NM_008961	Pter	19212	phosphotriesterase related	-3.73	0.23	0.00
A_52_P550069	NM_019826	Ivd	56357	isovaleryl coenzyme A dehydrogenase	-9.48	0.23	0.00
A_51_P355301	NM_007818	Cyp3a11	13112	cytochrome P450, family 3, subfamily a, polypeptide 11	-3.67	0.23	0.00
A_51_P190106	BC033592	Ralgps2	78255	Ral GEF with PH domain and SH3 binding motif 2	-7.81	0.23	0.00
A_51_P399652	NM_029939	Ccdc151	77609	coiled-coil domain containing 151	-9.00	0.23	0.00
A_51_P309184	NM_008993	Pxmp2	19301	peroxisomal membrane protein 2	-7.55	0.23	0.00
A_51_P338713	M31690	Ass1	11898	argininosuccinate synthetase 1	-5.25	0.23	0.00
A_51_P510031	NM_053184	Ugt2a1	94215	UDP glucuronosyltransferase 2 family, polypeptide A1	-7.55	0.23	0.00

A_52_P110812	NM_019802	Ggcx	56316	gamma-glutamyl carboxylase	-5.67	0.23	0.00
A_52_P361462	NM_174870	Slc26a1	231583	solute carrier family 26 (sulfate transporter), member 1	-5.99	0.23	0.00
A_51_P502838	AK039198	Ube2h	22214	ubiquitin-conjugating enzyme E2H	-5.63	0.23	0.00
A_52_P187987	AK009064	2310001H176432		RIKEN cDNA 2310001H17 gene	-5.73	0.23	0.00
A_52_P392229	AK039635	Rnf152	320311	ring finger protein 152	-6.14	0.23	0.00
A_52_P507498	AK011113	Plxnc1	54712	plexin C1	-4.17	0.23	0.00
A_51_P127469	NM_024284	Hagh	14651	hydroxyacyl glutathione hydrolase	-6.51	0.23	0.00
A_52_P382926	NM_145973	Ell3	269344	elongation factor RNA polymerase II-like 3	-5.84	0.22	0.00
A_52_P195809	NM_027208	Bdh2	69772	3-hydroxybutyrate dehydrogenase, type 2	-6.99	0.22	0.00
A_51_P213691	NM_011324	Scnn1a	20276	sodium channel, nonvoltage-gated 1 alpha	-9.99	0.22	0.00
A_51_P163106	NM_175177	Bdh1	71911	3-hydroxybutyrate dehydrogenase, type 1	-5.44	0.22	0.00
A_52_P468343	AK146962	Bdh1	71911	3-hydroxybutyrate dehydrogenase, type 1	-3.97	0.22	0.00
A_52_P315766	NM_010007	Cyp2j5	13109	cytochrome P450, family 2, subfamily j, polypeptide 5	-7.39	0.22	0.00
A_51_P114236	NA	NA	NA	NA	-6.62	0.22	0.00
A_51_P146655	NM_029880	Ptgr2	77219	prostaglandin reductase 2	-5.96	0.22	0.00
A_51_P327141	NM_009539	Zap70	22637	zeta-chain (TCR) associated protein kinase	-8.13	0.22	0.00
A_52_P393392	NM_153526	Insig1	231070	insulin induced gene 1	-8.11	0.22	0.00
A_51_P282947	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3	-8.34	0.22	0.00
A_52_P193941	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-6.11	0.22	0.00
A_51_P200667	NM_053155	Clmn	94040	calmin	-5.62	0.22	0.00
A_52_P501007	NM_009467	Ugt2b5	22238	UDP glucuronosyltransferase 2 family, polypeptide B5	-4.40	0.22	0.00
A_52_P458279	NM_011169	Prlr	19116	prolactin receptor	-6.53	0.22	0.00
A_51_P423484	NM_011254	Rbp1	19659	retinol binding protein 1, cellular	-5.54	0.22	0.00
A_51_P264336	NM_018795	Abcc6	27421	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	-5.96	0.22	0.00
A_51_P145520	NM_023059	Sigirr	24058	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	-6.01	0.22	0.00
A_51_P355943	NM_138656	Mvd	192156	mevalonate (diphospho) decarboxylase	-4.72	0.22	0.00
A_51_P256093	NM_011943	Map2k6	26399	mitogen-activated protein kinase kinase 6	-9.47	0.22	0.00

A_51_P421418	NM_008293	Hsd3b1	15492	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	-8.61	0.22	0.00
A_51_P162162	NM_009349	Inmt	21743	indolethylamine N-methyltransferase	-4.54	0.22	0.00
A_51_P276802	NM_054080	Akr1c20	116852	aldo-keto reductase family 1, member C20	-7.74	0.22	0.00
A_51_P161342	NM_023732	Abcb6	74104	ATP-binding cassette, sub-family B (MDR/TAP), member 6	-8.43	0.22	0.00
A_51_P348665	NM_016894	Ramp1	51801	receptor (calcitonin) activity modifying protein 1	-7.76	0.22	0.00
A_52_P234127	AK031268	Odz3	23965	odd Oz/ten-m homolog 3 (Drosophila)	-6.54	0.22	0.00
A_51_P418056	NM_172769	Sc5d	235293	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae)	-7.43	0.22	0.00
A_52_P685021	NM_021704	Cxcl12	20315	chemokine (C-X-C motif) ligand 12	-6.24	0.22	0.00
A_51_P465582	NM_024257	Hdhd3	72748	haloacid dehalogenase-like hydrolase domain containing 3	-4.08	0.22	0.00
A_51_P391631	NM_145364	Akr1d1	208665	aldo-keto reductase family 1, member D1	-4.85	0.22	0.00
A_51_P124535	NM_008590	Mest	17294	mesoderm specific transcript	-7.26	0.22	0.00
A_51_P208537	XM_902328	NA	NA	NA	-5.18	0.22	0.00
A_51_P318262	NM_010403	Hao1	15112	hydroxyacid oxidase 1, liver	-4.75	0.22	0.00
A_52_P70032	BC100533	Cox16	66272	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)	-7.66	0.22	0.00
A_51_P341203	NM_017396	Cyp3a41a	53973	cytochrome P450, family 3, subfamily a, polypeptide 41A	-5.53	0.22	0.00
A_51_P411527	BC052507	Afmid	71562	arylformamidase	-8.27	0.21	0.00
A_51_P513311	NM_009107	Rxrg	20183	retinoid X receptor gamma	-8.30	0.21	0.00
A_51_P175699	NM_026443	1700020C1	67900	RIKEN cDNA 1700020C11 gene	-4.34	0.21	0.00
A_51_P307872	NM_010007	Cyp2j5	13109	cytochrome P450, family 2, subfamily j, polypeptide 5	-7.22	0.21	0.00
A_51_P265219	NM_175523	Ppm1k	243382	protein phosphatase 1K (PP2C domain containing)	-4.99	0.21	0.00
A_51_P113205	NM_031164	F13b	14060	coagulation factor XIII, beta subunit	-6.14	0.21	0.00
A_52_P16419	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)	-3.89	0.21	0.00
A_51_P267653	NM_153157	Olfm3	229759	olfactomedin 3	-9.76	0.21	0.00
A_51_P401921	NM_011480	Srebf1	20787	sterol regulatory element binding transcription factor 1	-10.26	0.21	0.00
A_51_P334942	NM_013467	Aldh1a1	11668	aldehyde dehydrogenase family 1, subfamily A1	-5.67	0.21	0.00

A_51_P210293	NM_172952	Gphn	268566	gephyrin	-4.43	0.21	0.00
A_51_P142046	NM_025560	1810049H166431		RIKEN cDNA 1810049H13 gene	-5.17	0.21	0.00
A_51_P470935	NM_027208	Bdh2	69772	3-hydroxybutyrate dehydrogenase, type 2	-6.89	0.21	0.00
A_51_P433127	NM_025654	Rdm1	66599	RAD52 motif 1	-10.30	0.21	0.00
A_52_P501167	XM_620568	NA	NA	NA	-8.55	0.21	0.00
A_51_P293853	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)	-6.66	0.21	0.00
A_52_P274496	NM_183180	Tspan18	241556	tetraspanin 18	-7.53	0.21	0.00
A_51_P309854	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-4.42	0.21	0.00
A_51_P399071	NM_009672	Anp32a	11737	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	-7.90	0.21	0.00
A_52_P629487	NM_009150	Selenbp1	20341	selenium binding protein 1	-5.23	0.21	0.00
A_52_P257426	NM_133191	Eps8l2	98845	EPS8-like 2	-7.27	0.21	0.00
A_51_P341832	NM_008743	Nthl1	18207	nth (endonuclease III)-like 1 (E.coli)	-9.18	0.21	0.00
A_52_P418791	NM_011254	Rbp1	19659	retinol binding protein 1, cellular	-4.82	0.21	0.00
A_51_P332140	NM_009900	Clcn2	12724	chloride channel 2	-4.22	0.21	0.00
A_52_P608474	BC027582	LOC269472	269472	hypothetical LOC269472	-9.34	0.21	0.00
A_52_P322421	NM_007962	Mpzl2	14012	myelin protein zero-like 2	-4.41	0.21	0.00
A_52_P610923	NM_139305	Car9	230099	carbonic anhydrase 9	-5.25	0.21	0.00
A_52_P432124	NM_001077	Gsta3	14859	glutathione S-transferase, alpha 3	-5.31	0.21	0.00
A_51_P346179	NM_026690	Aspdh	68352	aspartate dehydrogenase domain containing	-11.73	0.21	0.00
A_52_P612058	AK031083	Cdca2	108912	cell division cycle associated 2	-7.66	0.21	0.00
A_52_P81783	BC029786	Gspt1	14852	G1 to S phase transition 1	-5.15	0.21	0.00
A_51_P467110	NM_010074	Dpp4	13482	dipeptidylpeptidase 4	-7.56	0.21	0.00
A_51_P445841	NM_145470	Depdc6	97998	DEP domain containing 6	-7.62	0.21	0.00
A_52_P402127	BC093515	NA	NA	NA	-5.56	0.21	0.00
A_51_P102438	NM_001029	Ugt2b36	231396	UDP glucuronosyltransferase 2 family, polypeptide B36	-5.77	0.21	0.00
A_51_P189442	NM_011996	Adh4	26876	alcohol dehydrogenase 4 (class II), pi polypeptide	-5.57	0.20	0.00
A_51_P194853	NM_146013	Sec14l4	103655	SEC14-like 4 (S. cerevisiae)	-6.56	0.20	0.00
A_52_P376502	NM_177343	Camk1d	227541	calcium/calmodulin-dependent protein kinase ID	-6.25	0.20	0.00

A_51_P246844	NM_007379	Abca2	11305	ATP-binding cassette, sub-family A (ABC1), member 2	-8.95	0.20	0.00
A_51_P478881	NM_146213	Ces8	234677	carboxylesterase 8 (putative)	-4.12	0.20	0.00
A_52_P458177	AB099518	Mettl7a2	393082	methyltransferase like 7A2	-9.34	0.20	0.00
A_52_P597618	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-7.39	0.20	0.00
A_52_P554703	NM_183183	Gprn3	243385	GPRIN family member 3	-5.13	0.20	0.00
A_51_P461319	NM_025961	Gatm	67092	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	-10.15	0.20	0.00
A_51_P297900	NM_009306	Syt1	20979	synaptotagmin I	-10.87	0.20	0.00
A_51_P383774	NM_010314	Gngt1	14699	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	-6.09	0.20	0.00
A_52_P512301	NM_019479	Hes6	55927	hairy and enhancer of split 6 (Drosophila)	-5.34	0.20	0.00
A_52_P571006	NM_177380	Cyp3a44	337924	cytochrome P450, family 3, subfamily a, polypeptide 44	-5.03	0.20	0.00
A_51_P337918	NM_175438	Aldh4a1	212647	aldehyde dehydrogenase 4 family, member A1	-6.52	0.20	0.00
A_51_P302566	NM_172778	Maob	109731	monoamine oxidase B	-12.40	0.20	0.00
A_51_P496432	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-7.14	0.20	0.00
A_51_P408989	NM_026038	2810055F1	67217	RIKEN cDNA 2810055F11 gene	-4.96	0.20	0.00
A_52_P120510	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-9.83	0.20	0.00
A_52_P259817	NM_029692	Upp2	76654	uridine phosphorylase 2	-4.40	0.20	0.00
A_51_P406557	XM_283952	AI464131	329828	expressed sequence AI464131	-6.04	0.20	0.00
A_51_P477875	NM_011393	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transporter), member 2	-6.36	0.20	0.00
A_52_P278354	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-5.86	0.20	0.00
A_52_P459211	AK044736	A930038B1	320323	RIKEN cDNA A930038B10 gene	-9.19	0.20	0.00
A_51_P389543	NM_054053	Gpr98	110789	G protein-coupled receptor 98	-6.20	0.20	0.00
A_51_P518893	NM_001002	Ccin	442829	calicin	-9.33	0.20	0.00
A_51_P426739	NM_182805	Gpt	76282	glutamic pyruvic transaminase, soluble	-7.40	0.20	0.00
A_52_P661503	AK170208	Depdc6	97998	DEP domain containing 6	-6.24	0.20	0.00
A_52_P595871	NM_009993	Cyp1a2	13077	cytochrome P450, family 1, subfamily a, polypeptide 2	-5.57	0.20	0.00
A_52_P1021832	AI627138	NA	NA	NA	-5.68	0.20	0.00
A_52_P151320	NM_025566	Tnfaip8l1	66443	tumor necrosis factor, alpha-induced protein 8-like 1	-5.24	0.20	0.00

A_51_P434928	NM_146287	Olfr114	258284	olfactory receptor 114	-7.31	0.20	0.00
A_51_P316173	NM_145845	V1ri1	252907	vomer nasal 1 receptor, l1	-8.77	0.20	0.00
A_51_P190740	NM_007421	Adssl1	11565	adenylosuccinate synthetase like 1	-8.97	0.19	0.00
A_51_P249360	NM_173733	Suox	211389	sulfite oxidase	-7.25	0.19	0.00
A_52_P296864	AK014177	3110045C2	67303	RIKEN cDNA 3110045C21 gene	-5.61	0.19	0.00
A_51_P170959	AK005011	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein	-10.22	0.19	0.00
A_52_P54280	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (S. pombe)	-5.38	0.19	0.00
A_52_P616229	NM_026622	3110057O1	269423	RIKEN cDNA 3110057O12 gene	-8.10	0.19	0.00
A_51_P206225	NM_144940	Uroc1	243537	urocanase domain containing 1	-6.44	0.19	0.00
A_52_P557265	NM_018887	Cyp39a1	56050	cytochrome P450, family 39, subfamily a, polypeptide 1	-7.56	0.19	0.00
A_51_P163578	NM_172881	Ugt2b35	243085	UDP glucuronosyltransferase 2 family, polypeptide B35	-4.27	0.19	0.00
A_52_P35581	NA	NA	NA	NA	-13.39	0.19	0.00
A_51_P243342	NM_010347	Aes	14797	amino-terminal enhancer of split inturned planar cell polarity effector homolog	-11.50	0.19	0.00
A_51_P401176	NM_175515	Intu	380614	(Drosophila)	-10.57	0.19	0.00
A_51_P279914	NM_174870	Slc26a1	231583	solute carrier family 26 (sulfate transporter), member 1	-4.47	0.19	0.00
A_51_P305140	NM_008181	Gsta1	14857	glutathione S-transferase, alpha 1 (Ya)	-4.75	0.19	0.00
A_51_P272147	NM_033146	Fam158a	85308	family with sequence similarity 158, member A	-5.90	0.19	0.00
A_51_P252000	NM_144796	Susd4	96935	sushi domain containing 4	-6.09	0.19	0.00
A_51_P379373	NM_145381	Lactb2	212442	lactamase, beta 2	-5.20	0.19	0.00
A_52_P672532	NM_183251	1810020D1	166273	RIKEN cDNA 1810020D17 gene	-6.19	0.19	0.00
A_51_P136337	NM_176963	Galm	319625	galactose mutarotase	-6.09	0.19	0.00
A_51_P422893	NM_029398	Tmem14a	75712	transmembrane protein 14A	-5.45	0.19	0.00
A_51_P512072	NM_008525	Alad	17025	aminolevulinatase, delta-, dehydratase	-5.81	0.19	0.00
A_51_P466180	NM_010299	Gm2a	14667	GM2 ganglioside activator protein	-8.13	0.19	0.00
A_51_P124285	NM_027280	Nkd1	93960	naked cuticle 1 homolog (Drosophila)	-7.86	0.19	0.00
A_51_P111335	NM_001013	Akr1c19	432720	aldo-keto reductase family 1, member C19	-6.96	0.19	0.00
A_52_P183368	NM_011535	Tbx3	21386	T-box 3	-5.40	0.19	0.00
A_51_P403477	NM_007860	Dio1	13370	deiodinase, iodothyronine, type I	-4.56	0.19	0.00

A_51_P469724	NM_053229	V1rb8	113856	vomer nasal 1 receptor, B8	-6.07	0.19	0.00
A_51_P341918	NM_009366	Tsc22d1	21807	TSC22 domain family, member 1	-7.14	0.19	0.00
A_51_P155638	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-16.91	0.19	0.00
A_51_P310850	AK084512	Plekha6	240753	pleckstrin homology domain containing, family A member 6	-5.31	0.19	0.00
A_51_P229536	NM_020282	Nqo2	18105	NAD(P)H dehydrogenase, quinone 2	-7.62	0.19	0.00
A_51_P219266	NM_027902	Tmprss6	71753	transmembrane serine protease 6	-8.11	0.19	0.00
A_51_P196663	XM_898059	NA	NA	NA	-6.75	0.19	0.00
A_51_P418725	NM_024413	Plekhf1	72287	pleckstrin homology domain containing, family F (with FYVE domain) member 1	-6.85	0.19	0.00
A_51_P450140	NM_009993	Cyp1a2	13077	cytochrome P450, family 1, subfamily a, polypeptide 2	-6.06	0.18	0.00
A_51_P302856	NM_053215	Ugt2b37	112417	UDP glucuronosyltransferase 2 family, polypeptide B37	-6.27	0.18	0.00
A_52_P664044	CN524910	NA	NA	NA	-7.55	0.18	0.00
A_51_P145631	AK158571	Svip	75744	small VCP/p97-interacting protein	-7.21	0.18	0.00
A_52_P236448	NM_033217	Ngfr	18053	nerve growth factor receptor (TNFR superfamily, member 16)	-7.11	0.18	0.00
A_52_P514352	NM_021542	Kcnk5	16529	potassium channel, subfamily K, member 5	-7.38	0.18	0.00
A_51_P404193	NM_022435	Sp5	64406	trans-acting transcription factor 5	-7.36	0.18	0.00
A_51_P289836	NM_022880	Slc29a1	63959	solute carrier family 29 (nucleoside transporters), member 1	-6.25	0.18	0.00
A_52_P589591	NM_015810	Polg2	50776	polymerase (DNA directed), gamma 2, accessory subunit	-7.48	0.18	0.00
A_51_P120027	AK004863	Adh6-ps1	71749	alcohol dehydrogenase 6 (class V), pseudogene 1	-4.98	0.18	0.00
A_52_P298002	NM_008102	Gch1	14528	GTP cyclohydrolase 1	-6.33	0.18	0.00
A_51_P213334	NM_144919	Hdac11	232232	histone deacetylase 11	-10.07	0.18	0.00
A_51_P189814	NM_013805	Cldn5	12741	claudin 5	-10.74	0.18	0.00
A_51_P358872	NM_174853	Disc1	244667	disrupted in schizophrenia 1	-5.13	0.18	0.00
A_52_P571290	NM_026988	Ptms	69202	parathyrosin	-7.77	0.18	0.00
A_51_P144160	NM_173422	Colec10	239447	collectin sub-family member 10	-5.34	0.18	0.00
A_51_P256384	NM_009723	Atp2b2	11941	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	-12.66	0.18	0.00
A_51_P429366	NM_019479	Hes6	55927	hairy and enhancer of split 6 (Drosophila)	-6.13	0.18	0.00
A_51_P463452	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-6.02	0.18	0.00

A_51_P385086	NM_009379	Thpo	21832	thrombopoietin	-5.49	0.18	0.00
A_52_P578922	AK159899	Hmgcr	15357	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-5.30	0.18	0.00
A_51_P377154	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-4.01	0.18	0.00
A_51_P249909	NM_010702	Lect2	16841	leukocyte cell-derived chemotaxin 2	-10.20	0.18	0.00
A_51_P515446	NM_018887	Cyp39a1	56050	cytochrome P450, family 39, subfamily a, polypeptide 1	-7.68	0.18	0.00
A_52_P276397	NM_009001	Rab3a	19339	RAB3A, member RAS oncogene family	-6.65	0.18	0.00
A_51_P235604	NM_023160	Cml1	66116	camello-like 1	-8.65	0.18	0.00
A_51_P363905	NM_025877	Slc25a23	66972	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	-7.53	0.18	0.00
A_52_P369776	BC024893	Otc	18416	ornithine transcarbamylase	-7.46	0.18	0.00
A_52_P740427	XM_890672	NA	NA	NA	-4.26	0.18	0.00
A_51_P205385	NM_009474	Uox	22262	urate oxidase	-5.82	0.18	0.00
A_51_P430585	NM_026740	Slc46a1	52466	solute carrier family 46, member 1	-6.28	0.18	0.00
A_52_P145349	NM_172656	Stradb	227154	STE20-related kinase adaptor beta	-8.68	0.18	0.00
A_51_P334444	XM_131166	NA	NA	NA	-8.17	0.18	0.00
A_52_P585104	NM_010219	Fkbp4	14228	FK506 binding protein 4	-6.40	0.18	0.00
A_51_P111513	NA	NA	NA	NA	-6.09	0.18	0.00
A_51_P206551	NM_019878	Sult1b1	56362	sulfotransferase family 1B, member 1	-7.42	0.18	0.00
A_51_P504214	NM_018832	Magix	54634	MAGI family member, X-linked	-11.31	0.18	0.00
A_52_P100252	NM_007988	Fasn	14104	fatty acid synthase	-4.46	0.17	0.00
A_51_P109258	NM_138686	Cys1	12879	cystin 1	-7.04	0.17	0.00
A_52_P537827	AK142559	Wdr72	546144	WD repeat domain 72	-4.75	0.17	0.00
A_51_P150145	AK077046	NA	NA	NA	-5.83	0.17	0.00
A_51_P179878	AK134698	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transporter), member 2	-5.70	0.17	0.00
A_52_P267505	NM_013851	Abca8b	27404	ATP-binding cassette, sub-family A (ABC1), member 8b	-6.75	0.17	0.00
A_51_P327869	NM_011199	Pth1r	19228	parathyroid hormone 1 receptor	-7.74	0.17	0.00
A_52_P356068	NM_025834	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein	-13.69	0.17	0.00

				4-nitrophenylphosphatase domain and non-neuronal			
A_51_P214516	NM_008698	Nipsnap1	18082	SNAP25-like protein homolog 1 (<i>C. elegans</i>)	-7.82	0.17	0.00
A_51_P447248	NM_175105	Aqp11	66333	aquaporin 11	-6.00	0.17	0.00
A_51_P452779	NM_133198	Pygl	110095	liver glycogen phosphorylase	-13.80	0.17	0.00
A_52_P509297	NM_001038	Mapt	17762	microtubule-associated protein tau	-7.02	0.17	0.00
A_51_P234864	NM_178639	Sfxn5	94282	sideroflexin 5	-8.57	0.17	0.00
A_51_P327585	NM_026764	Gstm4	14865	glutathione S-transferase, mu 4	-8.74	0.17	0.00
A_52_P197402	BC072607	Tbc1d30	74694	TBC1 domain family, member 30	-8.88	0.17	0.00
A_52_P478339	NM_026527	Chac2	68044	ChaC, cation transport regulator homolog 2 (<i>E. coli</i>)	-6.63	0.17	0.00
A_51_P234407	NM_013769	Tjp3	27375	tight junction protein 3	-6.69	0.17	0.00
A_51_P309917	NM_001001	Itga8	241226	integrin alpha 8	-10.84	0.17	0.00
A_51_P227202	NA	NA	NA	NA	-6.09	0.17	0.00
A_51_P420726	NM_028372	Mblac2	72852	metallo-beta-lactamase domain containing 2 elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	-7.31	0.17	0.00
A_51_P292582	NM_019423	Elov12	54326		-5.44	0.17	0.00
A_51_P499854	NM_010284	Ghr	14600	growth hormone receptor	-8.35	0.17	0.00
A_51_P333111	NM_009676	Aox1	11761	aldehyde oxidase 1	-9.25	0.17	0.00
A_51_P336952	NM_030004	Cryl1	68631	crystallin, lambda 1	-12.29	0.17	0.00
A_51_P307168	BC060266	NA	NA	NA	-7.58	0.17	0.00
A_51_P121915	NM_145424	BC089597	216454	cDNA sequence BC089597	-5.96	0.17	0.00
A_51_P464175	NM_007437	Aldh3a2	11671	aldehyde dehydrogenase family 3, subfamily A2	-7.70	0.17	0.00
A_51_P205326	NM_177743	Fam198a	245050	family with sequence similarity 198, member A	-8.15	0.17	0.00
A_52_P476560	NM_145853	Tpcn1	252972	two pore channel 1	-6.98	0.17	0.00
A_51_P165111	NM_013797	Slco1a1	28248	solute carrier organic anion transporter family, member 1a1	-5.52	0.17	0.00
A_51_P183703	NA	NA	NA	NA	-6.43	0.17	0.00
A_51_P145020	NM_146245	Lrit1	239037	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1	-10.32	0.17	0.00
A_51_P468231	NM_011211	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-9.62	0.17	0.00
A_51_P211403	NM_008101	Gcgr	14527	glucagon receptor	-8.26	0.17	0.00
A_51_P215438	NM_011172	Prodh	19125	proline dehydrogenase	-7.57	0.16	0.00
A_52_P159077	NM_011734	Siae	22619	sialic acid acetyltransferase	-6.15	0.16	0.00

A_51_P116039	NM_008256	Hmgcs2	15360	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2	-4.55	0.16	0.00
A_52_P486260	NM_054077	Prelp	116847	proline arginine-rich end leucine-rich repeat	-8.55	0.16	0.00
A_51_P180613	NM_153783	Paox	212503	polyamine oxidase (exo-N4-amino)	-6.87	0.16	0.00
A_51_P180617	NM_153783	Paox	212503	polyamine oxidase (exo-N4-amino)	-8.42	0.16	0.00
A_51_P186703	AK090129	Fbln5	23876	fibulin 5	-7.43	0.16	0.00
A_51_P383194	NM_008804	Pde9a	18585	phosphodiesterase 9A	-10.04	0.16	0.00
A_52_P680827	NM_172961	Abat	268860	4-aminobutyrate aminotransferase	-8.11	0.16	0.00
A_52_P356343	NM_153574	Fam13a	58909	family with sequence similarity 13, member A	-7.34	0.16	0.00
A_52_P485007	NM_007379	Abca2	11305	ATP-binding cassette, sub-family A (ABC1), member 2	-11.46	0.16	0.00
A_52_P625249	NM_010001	Cyp2c37	13096	cytochrome P450, family 2, subfamily c, polypeptide 37	-4.76	0.16	0.00
A_51_P129895	NM_007744	Comt1	12846	catechol-O-methyltransferase 1	-7.42	0.16	0.00
A_52_P154580	NM_206537	Cyp2c54	404195	cytochrome P450, family 2, subfamily c, polypeptide 54	-4.92	0.16	0.00
A_51_P332141	NM_009900	Clcn2	12724	chloride channel 2	-6.83	0.16	0.00
A_51_P114005	NM_026672	Gstm7	68312	glutathione S-transferase, mu 7	-11.34	0.16	0.00
A_51_P432924	NM_153598	Ugt2b34	100727	UDP glucuronosyltransferase 2 family, polypeptide B34	-5.69	0.16	0.00
A_51_P124550	NM_139292	Reep6	70335	receptor accessory protein 6	-5.06	0.16	0.00
A_51_P428555	NM_007409	Adh1	11522	alcohol dehydrogenase 1 (class I) leucine rich repeat containing G protein coupled	-4.93	0.16	0.00
A_51_P218091	NM_010195	Lgr5	14160	receptor 5	-12.11	0.16	0.00
A_52_P327156	NM_197983	0610008F0	68314	RIKEN cDNA 0610008F07 gene	-8.44	0.16	0.00
A_52_P644613	NM_019878	Sult1b1	56362	sulfotransferase family 1B, member 1	-10.86	0.16	0.00
A_51_P446570	NM_130452	Bbox1	170442	butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (gamma-butyrobetaine hydroxylase)	-6.45	0.16	0.00
A_52_P223704	NM_010173	Faah	14073	fatty acid amide hydrolase	-8.82	0.16	0.00
A_52_P617636	NM_010636	Klf12	16597	Kruppel-like factor 12	-9.73	0.16	0.00
A_52_P540219	NM_011594	Timp2	21858	tissue inhibitor of metalloproteinase 2	-6.41	0.16	0.00
A_52_P508991	NM_010231	Fmo1	14261	flavin containing monooxygenase 1	-5.68	0.16	0.00
A_51_P473219	NM_011734	Siae	22619	sialic acid acetyltransferase	-6.72	0.16	0.00

A_52_P941407	AV094648	NA	NA	NA	-8.94	0.15	0.00
A_51_P291713	NM_134094	Ncald	52589	neurocalcin delta	-7.23	0.15	0.00
A_51_P110471	NM_026993	Ddah1	69219	dimethylarginine dimethylaminohydrolase 1	-7.94	0.15	0.00
A_51_P439248	NM_008625	Mrc1	17533	mannose receptor, C type 1	-7.96	0.15	0.00
A_51_P142450	NM_027865	Tmem25	71687	transmembrane protein 25	-6.40	0.15	0.00
A_51_P211171	NA	NA	NA	NA	-7.70	0.15	0.00
A_52_P89335	NM_146260	Tmie	20776	transmembrane inner ear	-5.16	0.15	0.00
A_51_P180891	NM_028341	Ttc39c	72747	tetratricopeptide repeat domain 39C	-12.91	0.15	0.00
A_52_P48762	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-10.39	0.15	0.00
A_52_P118560	NM_027552	Kynu	70789	kynureninase (L-kynurenine hydrolase)	-7.45	0.15	0.00
A_51_P329949	NM_153574	Fam13a	58909	family with sequence similarity 13, member A	-6.40	0.15	0.00
A_51_P442759	NM_172520	Arhgef19	213649	Rho guanine nucleotide exchange factor (GEF) 19	-7.21	0.15	0.00
A_51_P324633	NM_007703	Elov13	12686	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	-6.00	0.15	0.00
A_52_P330950	NM_174847	C2cd2	207781	C2 calcium-dependent domain containing 2	-6.92	0.15	0.00
A_51_P431018	NM_019414	Selenbp2	20342	selenium binding protein 2	-4.70	0.15	0.00
A_51_P198675	NM_138951	Ttc36	192653	tetratricopeptide repeat domain 36	-11.28	0.15	0.00
A_51_P386660	NM_010173	Faah	14073	fatty acid amide hydrolase	-11.80	0.15	0.00
A_51_P455090	AK028683	Cps1	227231	carbamoyl-phosphate synthetase 1	-6.53	0.15	0.00
A_51_P214209	NM_026282	Spc24	67629	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)	-9.30	0.15	0.00
A_51_P304109	NM_010003	Cyp2c39	13098	cytochrome P450, family 2, subfamily c, polypeptide 39	-5.78	0.15	0.00
A_51_P468482	NM_028093	Entpd8	72090	ectonucleoside triphosphate diphosphohydrolase 8	-6.49	0.15	0.00
A_52_P655206	AK050258	NA	NA	NA	-9.08	0.15	0.00
A_52_P481279	NM_001033	Gm1060	381738	predicted gene 1060	-7.80	0.15	0.00
A_51_P399305	NM_013869	Tnfrsf19	29820	tumor necrosis factor receptor superfamily, member 19	-11.14	0.15	0.00
A_52_P399204	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-7.50	0.15	0.00
A_52_P582251	AK006209	1700021J0	72235	RIKEN cDNA 1700021J08 gene	-7.04	0.15	0.00
A_51_P271865	NM_016751	Clec4f	51811	C-type lectin domain family 4, member f	-8.46	0.15	0.00
A_51_P245503	NM_152811	Ugt2b1	71773	UDP glucuronosyltransferase 2 family, polypeptide B1	-7.05	0.14	0.00

A_51_P114002	AK002213	Gstm7	68312	glutathione S-transferase, mu 7	-10.54	0.14	0.00
A_51_P288341	NM_008277	Hpd	15445	4-hydroxyphenylpyruvic acid dioxygenase	-5.50	0.14	0.00
A_52_P477785	NM_177016	Slc17a4	319848	solute carrier family 17 (sodium phosphate), member 4	-9.06	0.14	0.00
A_51_P299805	NM_027872	Slc46a3	71706	solute carrier family 46, member 3	-9.53	0.14	0.00
A_52_P92037	NM_009474	Uox	22262	urate oxidase	-6.34	0.14	0.00
A_52_P164136	NM_001042	Arrdc3	105171	arrestin domain containing 3	-5.84	0.14	0.00
A_51_P424990	NM_173427	Klhdc7a	242721	kelch domain containing 7A	-5.94	0.14	0.00
A_51_P468005	NM_010232	Fmo5	14263	flavin containing monooxygenase 5	-5.90	0.14	0.00
A_51_P200477	NM_008300	Hspa4	15525	heat shock protein 4	-5.19	0.14	0.00
A_51_P384230	NM_013731	Sgk2	27219	serum/glucocorticoid regulated kinase 2	-5.33	0.14	0.00
A_51_P137336	NM_009864	Cdh1	12550	cadherin 1	-8.12	0.14	0.00
A_51_P157083	NM_008086	Gas1	14451	growth arrest specific 1	-6.14	0.14	0.00
A_51_P215475	NM_029928	Ptpnb	19263	protein tyrosine phosphatase, receptor type, B	-9.78	0.14	0.00
A_51_P506513	NM_024236	Qdpr	110391	quinoid dihydropteridine reductase	-12.96	0.14	0.00
A_51_P392005	NM_007592	Car8	12319	carbonic anhydrase 8	-6.61	0.14	0.00
A_51_P488554	NM_026543	3010026O09	68067	RIKEN cDNA 3010026O09 gene	-8.99	0.14	0.00
A_51_P232399	NM_027857	Acy3	71670	aspartoacylase (aminoacylase) 3	-8.84	0.14	0.00
A_51_P481679	NM_013913	Angptl3	30924	angiopoietin-like 3	-8.10	0.14	0.00
A_51_P372141	NM_001039	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-6.11	0.14	0.00
A_52_P284889	NM_008860	Prkcz	18762	protein kinase C, zeta	-6.62	0.14	0.00
A_51_P432460	NM_026731	Ppp1r14a	68458	protein phosphatase 1, regulatory (inhibitor) subunit 14A	-6.38	0.14	0.00
A_51_P106294	NM_010292	Gck	103988	glucokinase	-9.03	0.14	0.00
A_51_P480427	NM_146718	Olf430	258713	olfactory receptor 430	-7.36	0.14	0.00
A_52_P629895	NM_007409	Adh1	11522	alcohol dehydrogenase 1 (class I)	-5.52	0.14	0.00
A_51_P327874	NM_011199	Pth1r	19228	parathyroid hormone 1 receptor	-9.12	0.14	0.00
A_51_P369998	NM_172951	Sntg2	268534	syntrophin, gamma 2	-6.88	0.13	0.00
A_51_P514405	NM_019741	Slc2a5	56485	solute carrier family 2 (facilitated glucose transporter), member 5	-6.78	0.13	0.00
A_52_P103929	NM_009306	Syt1	20979	synaptotagmin I	-14.65	0.13	0.00
A_51_P168133	NM_022026	Aqp9	64008	aquaporin 9	-5.32	0.13	0.00
A_51_P291749	NM_023523	Pecr	111175	peroxisomal trans-2-enoyl-CoA reductase	-7.60	0.13	0.00
A_52_P94495	AK050059	Prkd3	75292	protein kinase D3	-9.17	0.13	0.00

A_52_P602987	BC096586	Prlr	19116	prolactin receptor	-7.83	0.13	0.00
A_52_P127325	NM_178885	AI182371	98870	expressed sequence AI182371	-11.48	0.13	0.00
A_52_P627761	NM_023154	Ethe1	66071	ethylmalonic encephalopathy 1	-6.30	0.13	0.00
A_51_P193490	NM_145564	Fbxo21	231670	F-box protein 21	-9.07	0.13	0.00
A_52_P515677	AK050325	NA	NA	NA	-4.21	0.13	0.00
A_51_P465292	NM_080462	Hnmt	140483	histamine N-methyltransferase	-10.65	0.13	0.00
A_51_P308298	BC055439	Myl9	98932	myosin, light polypeptide 9, regulatory	-4.39	0.13	0.00
A_52_P361391	NM_146640	Olf1153	258633	olfactory receptor 1153	-8.33	0.13	0.00
A_52_P120055	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-7.73	0.13	0.00
A_51_P178772	NM_144930	AU018778	234564	expressed sequence AU018778	-5.31	0.13	0.00
A_52_P282279	NM_138745	Mthfd1	108156	methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase	-7.35	0.13	0.00
A_51_P392928	NM_138745	Mthfd1	108156	methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase	-6.97	0.13	0.00
A_52_P40293	NM_013547	Hgd	15233	homogentisate 1, 2-dioxygenase	-9.22	0.13	0.00
A_51_P103144	AY195869	Slco1a1	28248	solute carrier organic anion transporter family, member 1a1	-6.53	0.13	0.00
A_52_P679769	NM_009804	Cat	12359	catalase	-6.27	0.13	0.00
A_51_P491835	AK013507	2900009J2	72876	RIKEN cDNA 2900009J20 gene	-10.58	0.13	0.00
A_51_P328622	NM_027249	Tlcd2	380712	TLC domain containing 2	-10.66	0.13	0.00
A_51_P316553	NM_010612	Kdr	16542	kinase insert domain protein receptor	-7.33	0.13	0.00
A_51_P180492	NM_016974	Dbp	13170	D site albumin promoter binding protein	-6.64	0.13	0.00
A_51_P335569	NM_030687	Slco1a4	28250	solute carrier organic anion transporter family, member 1a4	-6.86	0.13	0.00
A_52_P460767	NM_010232	Fmo5	14263	flavin containing monooxygenase 5	-6.49	0.12	0.00
A_51_P169087	NM_001033	Gls2	216456	glutaminase 2 (liver, mitochondrial)	-10.08	0.12	0.00
A_51_P194149	NM_013697	Ttr	22139	transthyretin	-8.12	0.12	0.00
A_51_P376347	NM_013546	Hebp1	15199	heme binding protein 1	-9.05	0.12	0.00
A_51_P180213	NM_001013	Akr1c19	432720	aldo-keto reductase family 1, member C19	-11.81	0.12	0.00
A_52_P80440	NM_022026	Aqp9	64008	aquaporin 9	-5.50	0.12	0.00
A_51_P395856	NM_144856	Slc22a7	108114	solute carrier family 22 (organic anion transporter), member 7	-7.80	0.12	0.00

A_51_P185175	NM_010219 Fkbp4	14228	FK506 binding protein 4	-6.95	0.12	0.00
A_52_P579352	NM_013584 Lifr	16880	leukemia inhibitory factor receptor	-8.18	0.12	0.00
A_51_P273609	NM_146125 Itpka	228550	inositol 1,4,5-trisphosphate 3-kinase A	-8.93	0.12	0.00
A_51_P499816	NM_026701 Pbld	68371	phenazine biosynthesis-like protein domain containing	-4.82	0.12	0.00
A_51_P469789	NM_016702 Agxt	11611	alanine-glyoxylate aminotransferase	-14.48	0.12	0.00
A_51_P222566	NM_025572 2610528J1	66451	RIKEN cDNA 2610528J11 gene	-7.72	0.12	0.00
A_52_P448006	NM_023175 Nit2	52633	nitrilase family, member 2	-10.15	0.12	0.00
A_51_P238094	NM_024444 Cyp4f18	72054	cytochrome P450, family 4, subfamily f, polypeptide 18	-11.06	0.12	0.00
A_52_P319199	NM_145154 Angptl6	70726	angiopoietin-like 6	-9.94	0.12	0.00
A_51_P322220	NM_029752 Bri3bp	76809	Bri3 binding protein	-7.10	0.12	0.00
A_51_P266618	NM_010012 Cyp8b1	13124	cytochrome P450, family 8, subfamily b, polypeptide 1	-5.80	0.12	0.00
A_52_P407171	NM_175391 Apol7c	108956	apolipoprotein L 7c	-12.53	0.11	0.00
A_51_P406165	NM_030069 Fam55b	78252	family with sequence similarity 55, member B	-13.39	0.11	0.00
A_51_P467971	NM_146005 Ank3	11735	ankyrin 3, epithelial	-9.59	0.11	0.00
A_52_P30451	NM_016854 Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-5.75	0.11	0.00
A_52_P639048	NM_007416 Adra1b	11548	adrenergic receptor, alpha 1b	-7.33	0.11	0.00
A_51_P241995	NM_016919 Col5a3	53867	collagen, type V, alpha 3	-7.29	0.11	0.00
A_51_P351273	NM_011542 Tcea3	21401	transcription elongation factor A (SII), 3	-6.55	0.11	0.00
A_52_P136092	NM_022026 Aqp9	64008	aquaporin 9	-4.57	0.11	0.00
A_52_P360742	NM_029419 Apol7a	75761	apolipoprotein L 7a	-12.10	0.11	0.00
A_51_P512172	AK010953 Tet1	52463	tet oncogene 1	-15.74	0.11	0.00
A_51_P309920	NM_001001: Itga8	241226	integrin alpha 8	-12.36	0.11	0.00
A_51_P384515	AK082385 Ido2	209176	indoleamine 2,3-dioxygenase 2	-5.67	0.11	0.00
A_52_P205695	NM_027334 Mettl7a1	70152	methyltransferase like 7A1	-11.81	0.11	0.00
A_51_P360918	NM_020578 Ehd3	57440	EH-domain containing 3	-8.85	0.11	0.00
A_52_P531610	AK030395 Agxt2l1	71760	alanine-glyoxylate aminotransferase 2-like 1	-7.27	0.11	0.00
A_51_P431329	NM_007606 Car3	12350	carbonic anhydrase 3	-5.67	0.11	0.00
A_52_P219904	NM_027827 Afmid	71562	arylformamidase	-9.31	0.11	0.00
A_51_P424878	NM_025582 2810405K0	66469	RIKEN cDNA 2810405K02 gene	-5.33	0.11	0.00

A_51_P489503	BC025832	Notum	77583	notum pectinacylesterase homolog (Drosophila)	-14.14	0.11	0.00
A_51_P511927	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-10.38	0.11	0.00
A_51_P117618	NM_023154	Ethe1	66071	ethylmalonic encephalopathy 1	-8.43	0.11	0.00
A_51_P131315	NM_027997	Serpina9	71907	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 9	-7.58	0.11	0.00
A_51_P453043	NM_030210	Aacs	78894	acetoacetyl-CoA synthetase	-7.53	0.11	0.00
A_51_P212682	NM_027290	Mcm10	70024	minichromosome maintenance deficient 10 (S. cerevisiae)	-12.01	0.10	0.00
A_52_P611787	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-10.29	0.10	0.00
A_51_P410361	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-14.27	0.10	0.00
A_52_P161297	NM_011542	Tcea3	21401	transcription elongation factor A (SII), 3	-6.62	0.10	0.00
A_51_P196862	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-9.12	0.10	0.00
A_51_P331003	NM_011976	Sema4g	26456	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	-8.18	0.10	0.00
A_51_P268641	AY566863	A1cf	69865	APOBEC1 complementation factor	-8.12	0.10	0.00
A_51_P128834	NM_177789	Vsig4	278180	V-set and immunoglobulin domain containing 4	-9.44	0.10	0.00
A_51_P502092	BC024137	BC024137	234757	cDNA sequence BC024137	-5.49	0.10	0.00
A_51_P259571	NM_145154	Angptl6	70726	angiopoietin-like 6	-9.23	0.10	0.00
A_51_P453909	NM_007817	Cyp2f2	13107	cytochrome P450, family 2, subfamily f, polypeptide 2	-7.78	0.10	0.00
A_51_P464394	NM_031180	Klb	83379	klotho beta	-8.46	0.10	0.00
A_51_P263591	NM_023792	Pank1	75735	pantothenate kinase 1	-7.49	0.10	0.00
A_51_P350378	NA	NA	NA	NA	-7.72	0.10	0.00
A_51_P452768	NM_022434	Cyp4f14	64385	cytochrome P450, family 4, subfamily f, polypeptide 14	-8.31	0.10	0.00
A_51_P277088	NM_008340	Igfals	16005	insulin-like growth factor binding protein, acid labile subunit	-9.71	0.10	0.00
A_52_P859747	AK050399	Gm1381	384198	predicted gene 1381	-4.76	0.10	0.00
A_52_P626020	XM_976628	EG665393	665393	predicted gene, EG665393	-9.37	0.10	0.00
A_51_P270083	NM_029631	Abhd14b	76491	abhydrolase domain containing 14b	-6.87	0.10	0.00
A_51_P290981	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-9.44	0.10	0.00

A_52_P625118	NM_007592	Car8	12319	carbonic anhydrase 8	-9.87	0.10	0.00
A_52_P634607	NA	NA	NA	NA	-9.17	0.10	0.00
A_51_P489367	NM_019792	Cyp3a25	56388	cytochrome P450, family 3, subfamily a, polypeptide 25	-8.72	0.10	0.00
A_52_P277654	AK165090	Pdk1	228026	pyruvate dehydrogenase kinase, isoenzyme 1	-9.93	0.10	0.00
A_51_P224013	NM_009387	Tk1	21877	thymidine kinase 1	-9.70	0.10	0.00
A_52_P590154	NM_013786	Hsd17b6	27400	hydroxysteroid (17-beta) dehydrogenase 6	-6.78	0.10	0.00
A_52_P1147453	AK137645	Fmo5	14263	flavin containing monooxygenase 5	-8.00	0.10	0.00
A_52_P673499	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-7.90	0.10	0.00
A_52_P629748	NM_175263	Notum	77583	notum pectinacetyltransferase homolog (Drosophila)	-21.70	0.09	0.00
A_51_P510418	NM_028270	Aldh1b1	72535	aldehyde dehydrogenase 1 family, member B1	-10.06	0.09	0.00
A_51_P403578	AK007907	1810059H2	69820	RIKEN cDNA 1810059H22 gene	-11.20	0.09	0.00
A_51_P319289	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, member 7	-9.15	0.09	0.00
A_52_P614777	NM_032400	Sucnr1	84112	succinate receptor 1	-9.89	0.09	0.00
A_51_P389988	NM_016917	Slc40a1	53945	solute carrier family 40 (iron-regulated transporter), member 1	-5.81	0.09	0.00
A_52_P380314	NM_019792	Cyp3a25	56388	cytochrome P450, family 3, subfamily a, polypeptide 25	-7.01	0.09	0.00
A_52_P204331	NM_178727	D630039A03	242484	RIKEN cDNA D630039A03 gene	-10.64	0.09	0.00
A_51_P205779	NM_009690	Cd5l	11801	CD5 antigen-like	-7.61	0.09	0.00
A_52_P468564	NM_010002	Cyp2c38	13097	cytochrome P450, family 2, subfamily c, polypeptide 38	-4.92	0.09	0.00
A_51_P220062	NM_008609	Mmp15	17388	matrix metalloproteinase 15	-10.59	0.09	0.00
A_51_P250807	NM_030176	Spata2L	78779	spermatogenesis associated 2-like	-10.44	0.09	0.00
A_51_P174275	NM_027866	Colec11	71693	collectin sub-family member 11	-8.42	0.09	0.00
A_51_P189733	NM_175250	2810007J2	76971	RIKEN cDNA 2810007J24 gene	-8.27	0.09	0.00
A_51_P186547	NM_008777	Pah	18478	phenylalanine hydroxylase	-8.44	0.09	0.00
A_51_P463440	NM_130450	Elov16	170439	ELOVL family member 6, elongation of long chain fatty acids (yeast)	-9.89	0.09	0.00
A_51_P136303	NM_134127	Cyp4f15	106648	cytochrome P450, family 4, subfamily f, polypeptide 15	-7.20	0.08	0.00

A_52_P253567	NM_013821	Hsd3b6	15497	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	-14.13	0.08	0.00
A_52_P303754	AK050221	9130016M	71620	RIKEN cDNA 9130016M20 gene	-7.83	0.08	0.00
A_52_P674467	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-15.64	0.08	0.00
A_51_P431737	NM_145953	Cth	107869	cystathionase (cystathionine gamma-lyase)	-8.84	0.08	0.00
A_51_P229655	XM_001002	NA	NA	NA	-11.58	0.08	0.00
A_51_P268929	AK050061	NA	NA	NA	-9.66	0.08	0.00
A_51_P475378	NM_024208	Echdc3	67856	enoyl Coenzyme A hydratase domain containing 3 splA/ryanodine receptor domain and SOCS box	-16.07	0.08	0.00
A_52_P659312	NM_145134	Spsb4	211949	containing 4	-12.29	0.08	0.00
A_51_P398525	NM_022014	Fn3k	63828	fructosamine 3 kinase	-11.81	0.08	0.00
A_52_P817975	BY711602	NA	NA	NA	-13.56	0.08	0.00
A_51_P468140	NM_008223	Serpind1	15160	serine (or cysteine) peptidase inhibitor, clade D, member 1	-9.78	0.08	0.00
A_52_P306357	BC042707	Prok1	246691	prokineticin 1	-9.82	0.07	0.00
A_52_P670188	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, member 7	-10.94	0.07	0.00
A_52_P163021	NM_182959	Slc17a8	216227	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-11.15	0.07	0.00
A_51_P382764	BC021607	Akr1c20	116852	aldo-keto reductase family 1, member C20	-8.27	0.07	0.00
A_52_P339759	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-17.78	0.07	0.00
A_52_P241619	NM_026085	3110049J2	67307	RIKEN cDNA 3110049J23 gene	-11.75	0.07	0.00
A_52_P297765	XM_134539	NA	NA	NA	-9.18	0.07	0.00
A_52_P425499	XM_001006	NA	NA	NA	-10.76	0.07	0.00
A_51_P221651	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (S. pombe)	-9.04	0.06	0.00
A_51_P273596	NM_146126	Sord	20322	sorbitol dehydrogenase	-8.81	0.06	0.00
A_52_P67637	AK080673	Sc5d	235293	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae)	-9.19	0.06	0.00
A_51_P389539	NM_054053	Gpr98	110789	G protein-coupled receptor 98	-8.60	0.06	0.00
A_52_P21486	NM_183257	Hamp2	66438	hepcidin antimicrobial peptide 2	-6.40	0.06	0.00

A_52_P69109	NM_011387	Slc10a1	20493	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-11.55	0.06	0.00
A_51_P189082	NM_030611	Akr1c6	83702	aldo-keto reductase family 1, member C6	-8.40	0.06	0.00
A_51_P244950	AK004822	Dpys	64705	dihydropyrimidinase	-11.68	0.06	0.00
A_52_P69558	XM_001003	NA	NA	NA	-20.04	0.06	0.00
A_51_P239177	NM_175391	Apol7c	108956	apolipoprotein L 7c	-13.33	0.06	0.00
A_52_P595463	NM_177002	C730048C13	19800	RIKEN cDNA C730048C13 gene	-10.99	0.05	0.00
A_51_P140803	NM_178235	Slco1b2	28253	solute carrier organic anion transporter family, member 1b2	-9.20	0.05	0.00
A_52_P239752	AK077971	Ttc39c	72747	tetratricopeptide repeat domain 39C	-19.39	0.05	0.00
A_52_P595455	NM_001013	Gm5631	434674	predicted gene 5631	-12.24	0.05	0.00
A_52_P470560	NM_022722	Dpys	64705	dihydropyrimidinase	-12.83	0.05	0.00
A_51_P175424	NM_011797	Car14	23831	carbonic anhydrase 14	-14.45	0.05	0.00
A_52_P566718	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-18.82	0.05	0.00
A_52_P409988	NM_031197	Slc2a2	20526	solute carrier family 2 (facilitated glucose transporter), member 2	-10.89	0.05	0.00
A_51_P224801	NM_008455	Klkb1	16621	kallikrein B, plasma 1	-13.14	0.05	0.00
A_51_P488399	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-13.12	0.05	0.00
A_51_P497724	NM_029419	Apol7a	75761	apolipoprotein L 7a	-12.23	0.05	0.00
A_51_P165451	NM_026085	3110049J2	67307	RIKEN cDNA 3110049J23 gene	-11.73	0.04	0.00
A_51_P497090	BC021944	Enho	69638	energy homeostasis associated	-13.34	0.04	0.00
A_51_P379385	NM_153145	Abca8a	217258	ATP-binding cassette, sub-family A (ABC1), member 8a	-14.29	0.04	0.00
A_51_P308844	NM_153529	Nrn1	68404	neuritin 1	-14.47	0.04	0.00
A_52_P459818	NM_001012	Hsd3b3	15494	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 3	-12.00	0.04	0.00
A_51_P240287	X51971	Car5a	12352	carbonic anhydrase 5a, mitochondrial	-13.06	0.04	0.00
A_51_P185693	NM_031197	Slc2a2	20526	solute carrier family 2 (facilitated glucose transporter), member 2	-10.69	0.04	0.00
A_51_P145662	NM_029465	Clec4g	75863	C-type lectin domain family 4, member g	-11.35	0.03	0.00
A_51_P284177	NM_134072	Akr1c14	105387	aldo-keto reductase family 1, member C14	-11.70	0.03	0.00
A_51_P420415	NM_175283	Srd5a1	78925	steroid 5 alpha-reductase 1	-12.32	0.03	0.00

A_51_P309338	NM_021022	Abcb11	27413	ATP-binding cassette, sub-family B (MDR/TAP), member 11	-14.20	0.03	0.00
A_52_P639461	AK075630	Car3	12350	carbonic anhydrase 3	-13.66	0.03	0.00
A_52_P16752	NM_023617	Aox3	71724	aldehyde oxidase 3	-10.04	0.02	0.00
A_51_P391616	NM_027907	Agxt2l1	71760	alanine-glyoxylate aminotransferase 2-like 1	-10.56	0.02	0.00
A_52_P653825	NM_029550	Keg1	64697	kidney expressed gene 1	-16.53	0.02	0.00
A_52_P259537	NM_010292	Gck	103988	glucokinase	-11.04	0.02	0.00
A_51_P492153	NM_029550	Keg1	64697	kidney expressed gene 1	-14.39	0.01	0.00
A_52_P84027	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-12.64	0.01	0.00
A_51_P226567	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-13.90	0.01	0.00
A_51_P352005	NM_008294	Hsd3b4	15495	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 4	-18.27	0.01	0.00
A_51_P496162	NM_008295	Hsd3b5	15496	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 5	-16.19	0.01	0.00

(d) LPS in B6;129(E2F1-/-) mice 20 hours post-LPS

PROBE	ACCESSION	SYMBOL	ENTREZID	DESCRIPTION	Score (d)	Fold Change	q-value (%)
A_51_P482908	NM_025549	Arrdc4	66412	arrestin domain containing 4	5.10	52.41	0.00
A_52_P188042	NM_198297	Trat1	77647	T cell receptor associated transmembrane adaptor 1	7.17	48.07	0.00
A_51_P354126	NM_011260	Reg3g	19695	regenerating islet-derived 3 gamma	6.46	36.29	0.00
A_51_P172853	NM_009841	Cd14	12475	CD14 antigen	4.80	25.44	0.06
A_52_P319361	NM_029494	Rab30	75985	RAB30, member RAS oncogene family	4.47	24.27	0.08
A_51_P311958	NM_013623	Orm3	18407	orosomuroid 3	4.78	24.04	0.06
A_51_P490456	NM_178373	Cidec	14311	cell death-inducing DFFA-like effector c	3.90	22.06	0.21
A_52_P338066	NM_023137	Ubd	24108	ubiquitin D	5.10	17.95	0.00
A_52_P286511	NM_021352	Crybb3	12962	crystallin, beta B3	6.40	16.73	0.00
A_51_P493649	NM_023135	Sult1e1	20860	sulfotransferase family 1E, member 1	5.19	16.70	0.00
A_52_P174942	AK040447	Nrp1	18186	neuropilin 1	3.78	16.42	0.25
A_52_P603038	NM_016968	Olig1	50914	oligodendrocyte transcription factor 1	3.76	15.97	0.25
A_52_P455370	NM_175628	A2m	232345	alpha-2-macroglobulin	5.71	15.91	0.00
A_51_P257951	NM_020509	Retnla	57262	resistin like alpha	4.97	15.89	0.07
A_51_P169671	NM_011036	Reg3b	18489	regenerating islet-derived 3 beta	5.13	15.66	0.00

A_51_P408703	NM_028842	NA	NA	NA	4.25	14.56	0.13
A_51_P510156	NM_008491	Lcn2	16819	lipocalin 2	5.19	14.39	0.00
A_51_P228753	XM_897631	NA	NA	NA	3.68	14.15	0.29
A_51_P412817	AK029791	Dnahc2	327954	dynein, axonemal, heavy chain 2	6.42	13.77	0.00
A_51_P216550	NM_011641	Trp63	22061	transformation related protein 63	3.68	13.76	0.29
A_52_P247900	U42467	Lepr	16847	leptin receptor	3.89	13.72	0.21
A_52_P601446	AK049314	Trim27	19720	tripartite motif-containing 27	4.56	13.28	0.09
A_52_P201245	NM_133902	Sdsl	257635	serine dehydratase-like	7.99	13.17	0.00
A_52_P254817	NM_020509	Retnla	57262	resistin like alpha	4.78	13.07	0.06
A_51_P340601	NM_009770	Btg3	12228	B-cell translocation gene 3	3.67	12.05	0.29
A_51_P480290	AK010559	Casz1	69743	castor homolog 1, zinc finger (Drosophila)	4.05	11.85	0.16
A_52_P850132	AK008330	2010107C1	70256	RIKEN cDNA 2010107C10 gene	3.86	11.54	0.22
A_51_P480119	NM_029942	Preli2	77619	PRELI domain containing 2	4.23	11.39	0.13
A_51_P352594	NM_001001	St5	76954	suppression of tumorigenicity 5	3.53	11.19	0.34
A_51_P131408	NM_013749	Tnfrsf12a	27279	tumor necrosis factor receptor superfamily, member 12a	4.15	10.34	0.15
A_52_P472324	NM_011414	Slpi	20568	secretory leukocyte peptidase inhibitor	4.72	10.09	0.06
A_51_P180747	NM_007796	Ctla2a	13024	cytotoxic T lymphocyte-associated protein 2 alpha	5.85	10.06	0.00
A_51_P396045	NM_010704	Lepr	16847	leptin receptor	4.63	9.69	0.05
A_52_P525348	NA	NA	NA	NA	5.18	9.58	0.00
A_51_P209183	NM_019568	Cxcl14	57266	chemokine (C-X-C motif) ligand 14	4.12	9.55	0.14
A_51_P208152	AK014460	3930402G2	2665306	RIKEN cDNA 3930402G23 gene	4.43	9.53	0.08
A_52_P419678	NM_001033	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member	3.68	9.52	0.29
A_51_P354165	NM_011318	Apcs	20219	serum amyloid P-component	7.00	9.21	0.00
A_51_P367263	NM_199222	Lman1l	235416	lectin, mannose-binding 1 like	3.36	9.03	0.46
A_52_P431159	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	3.98	8.92	0.17
A_52_P799815	NM_001025	Tmem171	380863	transmembrane protein 171	3.06	8.84	0.76
A_51_P170807	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	4.66	8.56	0.05
A_52_P423810	AK154954	Mt1	17748	metallothionein 1	4.81	8.46	0.06
A_51_P167292	NM_009892	Chi3l3	12655	chitinase 3-like 3	5.30	8.40	0.00
A_51_P489522	AK150917	Ctla2b	13025	cytotoxic T lymphocyte-associated protein 2 beta	5.82	8.20	0.00
A_51_P320930	NM_198297	Trat1	77647	T cell receptor associated transmembrane adaptor 1	4.90	8.14	0.07
A_52_P544043	BC013068	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	5.48	8.11	0.00
A_51_P238722	NM_010740	Cd93	17064	CD93 antigen	5.61	8.08	0.00
A_51_P488196	NM_028472	Bmper	73230	BMP-binding endothelial regulator	4.23	7.99	0.13

A_52_P427640	XR_002113	EG667984	667984	predicted gene, EG667984	4.88	7.89	0.07
A_52_P222775	NM_016693	Map3k6	53608	mitogen-activated protein kinase kinase kinase 6	4.89	7.76	0.07
A_52_P185343	AK011851	Gna13	14674	guanine nucleotide binding protein, alpha 13	4.71	7.75	0.06
A_51_P165244	NM_018734	Gbp3	55932	guanylate binding protein 3	4.11	7.63	0.14
A_51_P422257	NM_010131	Emx1	13796	empty spiracles homolog 1 (Drosophila)	3.79	7.60	0.25
A_51_P363947	NM_007669	Cdkn1a	12575	cyclin-dependent kinase inhibitor 1A (P21)	4.22	7.49	0.13
A_52_P419679	NM_001033	Serpina3f	238393	serine (or cysteine) peptidase inhibitor, clade A, member	3.59	7.35	0.32
A_52_P229943	NM_178933	Ostb	330962	organic solute transporter beta	4.22	7.23	0.13
A_51_P512384	NM_001044	Timp1	21857	tissue inhibitor of metalloproteinase 1	4.95	7.02	0.07
A_51_P111612	NM_001042	Arrdc4	66412	arrestin domain containing 4	3.26	7.02	0.53
A_51_P461665	NM_008599	Cxcl9	17329	chemokine (C-X-C motif) ligand 9	4.69	6.93	0.05
A_52_P442234	NM_008197	H1f0	14958	H1 histone family, member 0	4.46	6.90	0.08
A_51_P216605	NM_177993	Hbp1	73389	high mobility group box transcription factor 1	3.71	6.85	0.28
A_52_P416756	NM_033075	D17H6S56E	110956	DNA segment, Chr 17, human D6S56E 5	4.55	6.74	0.09
A_52_P386627	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	4.32	6.71	0.11
A_51_P307166	NM_001039	Il1rn	16181	interleukin 1 receptor antagonist	3.78	6.70	0.25
A_51_P203955	NM_010260	Gbp2	14469	guanylate binding protein 2	3.83	6.70	0.23
A_52_P631307	AK043577	Ypel4	241525	yippee-like 4 (Drosophila)	3.87	6.69	0.20
A_52_P103628	NA	NA	NA	NA	4.46	6.63	0.08
A_52_P429450	NM_008694	Ngp	18054	neutrophilic granule protein	4.37	6.58	0.11
A_52_P294510	NM_145594	Fgl1	234199	fibrinogen-like protein 1	8.56	6.54	0.00
A_52_P321150	NM_023516	2310016C0	69573	RIKEN cDNA 2310016C08 gene	4.14	6.53	0.15
A_52_P646979	NM_025967	D16Ertd47	67102	DNA segment, Chr 16, ERATO Doi 472, expressed	3.16	6.50	0.65
A_52_P131458	NM_027238	Ttc39b	69863	tetratricopeptide repeat domain 39B	4.61	6.45	0.05
A_51_P141546	NM_011016	Orm2	18406	orosomuroid 2	6.95	6.44	0.00
A_52_P98140	BE865018	NA	NA	NA	3.91	6.42	0.21
A_51_P267969	NM_011259	Reg3a	19694	regenerating islet-derived 3 alpha	4.03	6.41	0.16
A_51_P233797	NM_009626	Adh7	11529	alcohol dehydrogenase 7 (class IV), mu or sigma polypept	5.26	6.36	0.00
A_52_P523835	AK029360	Nfe2l2	18024	nuclear factor, erythroid derived 2, like 2	3.10	6.35	0.70
A_51_P280455	AB034730	Prg4	96875	proteoglycan 4 (megakaryocyte stimulating factor, articu	5.87	6.31	0.00
A_52_P339726	NA	NA	NA	NA	3.96	6.31	0.17
A_51_P511810	NM_001042	Cd63	12512	CD63 antigen	5.72	6.29	0.00
A_51_P439085	NM_023516	2310016C0	69573	RIKEN cDNA 2310016C08 gene	4.04	6.27	0.16
A_52_P301935	NM_001033	Il20rb	213208	interleukin 20 receptor beta	3.40	6.27	0.42

A_51_P465211	NM_026323	Wfdc2	67701	WAP four-disulfide core domain 2	4.11	6.27	0.14
A_51_P159453	NM_009252	Serpina3n	20716	serine (or cysteine) peptidase inhibitor, clade A, member	5.29	6.26	0.00
A_51_P155643	NM_016740	S100a11	20195	S100 calcium binding protein A11 (calgizzarin)	4.15	6.24	0.15
A_51_P295315	NM_020033	Ankrd2	56642	ankyrin repeat domain 2 (stretch responsive muscle)	3.52	6.21	0.35
A_52_P437421	NM_028472	Bmper	73230	BMP-binding endothelial regulator	3.74	6.19	0.26
A_51_P371750	NM_010766	Marco	17167	macrophage receptor with collagenous structure	4.47	6.16	0.08
A_51_P219325	NM_028038	Ddx28	71986	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	4.27	6.15	0.10
A_52_P260145	XM_978721	NA	NA	NA	4.19	6.13	0.12
A_51_P168459	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	6.19	6.08	0.00
A_51_P327405	NM_029509	Gbp8	76074	guanylate-binding protein 8	3.15	6.05	0.66
A_52_P288270	XR_003114	NA	NA	NA	6.00	6.05	0.00
A_52_P533817	AK009185	Barx2	12023	BarH-like homeobox 2	5.95	6.03	0.00
A_52_P428599	NM_145126	Chi3l4	104183	chitinase 3-like 4	5.58	6.03	0.00
A_52_P344949	NM_172777	Gbp9	236573	guanylate-binding protein 9	3.72	6.01	0.27
A_51_P144264	NM_008452	Klf2	16598	Kruppel-like factor 2 (lung)	4.20	6.00	0.13
A_52_P261086	AK085154	Tmem140	68487	transmembrane protein 140	5.12	5.95	0.00
A_52_P510987	NM_175628	A2m	232345	alpha-2-macroglobulin	4.96	5.92	0.07
A_51_P173678	NM_029415	Slc10a6	75750	solute carrier family 10 (sodium/bile acid cotransporter f.	3.07	5.90	0.74
A_51_P262340	BC106176	Rbm3	19652	RNA binding motif protein 3	4.47	5.90	0.08
A_51_P166941	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	4.07	5.90	0.16
A_52_P383653	NM_001033	Cpne8	66871	copine VIII	5.01	5.88	0.08
A_52_P518827	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	5.91	5.86	0.00
A_51_P134468	NM_033075	D17H6S56E	110956	DNA segment, Chr 17, human D6S56E 5	4.37	5.86	0.11
A_51_P213544	NM_010637	Klf4	16600	Kruppel-like factor 4 (gut)	3.83	5.82	0.24
A_52_P492189	NA	NA	NA	NA	10.24	5.82	0.00
A_52_P334562	NM_009504	Vdr	22337	vitamin D receptor	6.97	5.76	0.00
A_52_P522157	BC032970	2810026P1	72655	RIKEN cDNA 2810026P18 gene	3.16	5.73	0.65
A_52_P46085	NM_080638	Mvp	78388	major vault protein	6.29	5.71	0.00
A_52_P496935	NM_030184	Armc9	78795	armadillo repeat containing 9	6.26	5.68	0.00
A_51_P352924	NM_010193	Fem1b	14155	feminization 1 homolog b (C. elegans)	4.31	5.67	0.11
A_51_P362066	NM_007695	Chi3l1	12654	chitinase 3-like 1	4.68	5.66	0.05
A_52_P553885	NM_172514	Tmem71	213068	transmembrane protein 71	5.30	5.63	0.00
A_52_P462071	NM_178798	Slc7a6	330836	solute carrier family 7 (cationic amino acid transporter, y	3.08	5.62	0.71
A_51_P336325	NM_008768	Orm1	18405	orosomuroid 1	8.14	5.62	0.00

A_52_P496726	NM_009026	Rasd1	19416	RAS, dexamethasone-induced 1	3.58	5.58	0.33
A_52_P371949	AK018313	Eif6	16418	eukaryotic translation initiation factor 6	4.99	5.57	0.08
A_52_P50529	BC116253	Nlrp12	378425	NLR family, pyrin domain containing 12	3.59	5.57	0.32
A_51_P124254	NM_009931	Col4a1	12826	collagen, type IV, alpha 1	5.33	5.56	0.00
A_52_P354682	NM_029001	Elov17	74559	ELOVL family member 7, elongation of long chain fatty ac	3.01	5.52	0.82
A_51_P461108	NM_148958	Osbpl10	74486	oxysterol binding protein-like 10	4.29	5.52	0.10
A_52_P644273	NM_028679	Irak3	73914	interleukin-1 receptor-associated kinase 3	4.02	5.50	0.18
A_51_P476091	NA	NA	NA	NA	3.85	5.48	0.22
A_51_P197528	D86232	Ly6c2	1E+08	lymphocyte antigen 6 complex, locus C2	5.31	5.48	0.00
A_51_P513504	NM_016810	Gosr1	53334	golgi SNAP receptor complex member 1	4.64	5.48	0.05
A_51_P511236	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polype	3.40	5.46	0.42
A_51_P337308	NM_011315	Saa3	20210	serum amyloid A 3	4.31	5.44	0.11
A_52_P593110	AK015056	Ptbp2	56195	polypyrimidine tract binding protein 2	3.25	5.32	0.55
A_52_P102931	AK087160	Gimap5	317757	GTPase, IMAP family member 5	6.96	5.27	0.00
A_51_P452506	NM_145538	Tmem189	407243	transmembrane protein 189	4.05	5.21	0.16
A_51_P407028	NM_007607	Car4	12351	carbonic anhydrase 4	3.08	5.20	0.72
A_51_P176954	NM_008575	Mdm4	17248	transformed mouse 3T3 cell double minute 4	5.00	5.17	0.08
A_52_P327176	NM_018884	Pdzrn3	55983	PDZ domain containing RING finger 3	4.58	5.17	0.09
A_51_P265495	NM_010738	Ly6a	110454	lymphocyte antigen 6 complex, locus A	5.51	5.17	0.00
A_51_P266928	NM_172514	Tmem71	213068	transmembrane protein 71	4.87	5.16	0.07
A_51_P379976	NM_001039	Arl4a	11861	ADP-ribosylation factor-like 4A	4.38	5.14	0.11
A_51_P183571	NM_008871	Serpine1	18787	serine (or cysteine) peptidase inhibitor, clade E, member	3.38	5.14	0.44
A_51_P168981	AK015225	Ptar1	72351	protein prenyltransferase alpha subunit repeat containin	3.50	5.13	0.36
A_52_P559618	NM_030694	Ifitm2	80876	interferon induced transmembrane protein 2	6.91	5.12	0.00
A_51_P178692	NM_007930	Enc1	13803	ectodermal-neural cortex 1	2.97	5.07	0.89
A_51_P282508	NM_007484	Rhoc	11853	ras homolog gene family, member C	4.63	5.05	0.05
A_52_P155849	NM_001039	Arl4a	11861	ADP-ribosylation factor-like 4A	4.06	5.05	0.16
A_52_P605319	NM_199148	BC051665	218275	cDNA sequence BC051665	3.64	5.01	0.30
A_51_P418116	NM_146162	Tmem119	231633	transmembrane protein 119	5.08	5.00	0.00
A_52_P474528	NA	NA	NA	NA	3.81	4.95	0.24
A_52_P437066	XM_905410	LOC631287	631287	similar to interferon induced transmembrane protein 2	6.18	4.90	0.00
A_51_P512379	NA	NA	NA	NA	3.95	4.89	0.19
A_52_P230938	NM_010741	Ly6c1	17067	lymphocyte antigen 6 complex, locus C1	5.65	4.87	0.00
A_52_P579933	NM_001029	Slc16a6	104681	solute carrier family 16 (monocarboxylic acid transporter	3.13	4.87	0.68

A_52_P577386	NM_010531	Il18bp	16068	interleukin 18 binding protein	6.46	4.86	0.00
A_52_P686785	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1	4.28	4.84	0.10
A_52_P399998	NM_016920	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1	5.05	4.82	0.08
A_51_P168203	NM_025446	Aig1	66253	androgen-induced 1	7.91	4.82	0.00
A_51_P279606	NM_009896	Socs1	12703	suppressor of cytokine signaling 1	3.24	4.82	0.56
A_51_P240768	NM_021284	Kras	16653	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	3.36	4.82	0.46
A_51_P266987	NM_013615	Odf2	18286	outer dense fiber of sperm tails 2	4.79	4.81	0.06
A_52_P87713	NM_001044	Timp1	21857	tissue inhibitor of metalloproteinase 1	4.44	4.79	0.08
A_51_P153063	NM_029310	Fabp12	75497	fatty acid binding protein 12	4.62	4.79	0.05
A_51_P193019	NM_011157	Srgn	19073	serglycin	4.63	4.77	0.05
A_52_P564663	NA	NA	NA	NA	2.94	4.76	0.93
A_52_P247086	AK154692	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2	3.38	4.73	0.45
A_52_P88591	NM_030262	Pofut2	80294	protein O-fucosyltransferase 2	4.33	4.72	0.11
A_51_P477250	AK040652	Abca6	76184	ATP-binding cassette, sub-family A (ABC1), member 6	4.87	4.72	0.07
A_52_P474002	NM_178357	Klf11	194655	Kruppel-like factor 11	3.81	4.71	0.24
A_51_P136521	NM_026671	Lypd2	68311	Ly6/Plaur domain containing 2	2.94	4.70	0.93
A_51_P286488	NM_133662	Ier3	15937	immediate early response 3	2.99	4.69	0.85
A_52_P191567	AK140530	Plcl1	227120	phospholipase C-like 1	4.07	4.69	0.16
A_51_P499698	BC057938	Asprv1	67855	aspartic peptidase, retroviral-like 1	6.10	4.68	0.00
A_52_P577384	NM_010531	Il18bp	16068	interleukin 18 binding protein	6.14	4.67	0.00
A_51_P188381	NM_177093	Lrrc58	320184	leucine rich repeat containing 58	3.21	4.66	0.59
A_52_P1013432	NA	NA	NA	NA	4.91	4.63	0.07
A_51_P492640	NM_008453	Klf3	16599	Kruppel-like factor 3 (basic)	3.25	4.61	0.56
A_51_P342567	NM_031185	Akap12	83397	A kinase (PRKA) anchor protein (gravin) 12	3.38	4.61	0.45
A_51_P421876	NM_016850	Irf7	54123	interferon regulatory factor 7	4.22	4.60	0.13
A_52_P202895	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	5.73	4.60	0.00
A_51_P378903	NM_146981	Olf1260	258983	olfactory receptor 1260	6.08	4.59	0.00
A_51_P470079	NM_010555	Il1r2	16178	interleukin 1 receptor, type II	3.93	4.55	0.19
A_52_P162967	NM_007642	Cd28	12487	CD28 antigen	4.22	4.55	0.13
A_51_P255456	NM_009994	Cyp1b1	13078	cytochrome P450, family 1, subfamily b, polypeptide 1	4.23	4.54	0.13
A_51_P391432	NM_145449	Ifi2712b	217845	interferon, alpha-inducible protein 27 like 2B	5.70	4.53	0.00
A_51_P396752	NM_024191	Arl2bp	107566	ADP-ribosylation factor-like 2 binding protein	4.16	4.52	0.15
A_52_P220879	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	4.36	4.50	0.11
A_52_P250644	NA	NA	NA	NA	3.92	4.50	0.19

A_52_P116501	NA	NA	NA	NA		5.21	4.49	0.00
A_52_P615051	AK035396	1200016E2	319202	RIKEN cDNA 1200016E24 gene		3.68	4.48	0.29
A_51_P123676	AK034012	Synpo	104027	synaptopodin		4.96	4.48	0.07
A_51_P361650	NM_009117	Saa1	20208	serum amyloid A 1		3.96	4.43	0.17
A_52_P681310	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor		3.67	4.43	0.29
A_52_P619287	BC054101	NA	NA	NA		3.54	4.42	0.34
A_52_P67643	AK036004	Mtor	56717	mechanistic target of rapamycin (serine/threonine kinase		4.37	4.42	0.11
A_52_P618807	NM_133656	Crk	12928	v-crk sarcoma virus CT10 oncogene homolog (avian)		4.36	4.42	0.11
A_52_P292693	NM_016690	Hnrpd1	50926	heterogeneous nuclear ribonucleoprotein D-like		4.74	4.40	0.06
A_52_P604613	NM_010333	S1pr2	14739	sphingosine-1-phosphate receptor 2		3.50	4.40	0.36
A_52_P489295	NM_009621	Adamts1	11504	a disintegrin-like and metallopeptidase (reprolysin type)'		4.58	4.39	0.09
A_51_P246066	NM_029612	Slamf9	98365	SLAM family member 9		6.04	4.38	0.00
A_52_P37702	NA	NA	NA	NA		3.30	4.38	0.52
A_52_P432170	AK021294	2810416G2	1E+08	RIKEN cDNA 2810416G20 gene		3.67	4.37	0.28
A_51_P315904	NM_011817	Gadd45g	23882	growth arrest and DNA-damage-inducible 45 gamma		4.01	4.35	0.18
A_51_P384469	NM_019666	Syncrip	56403	synaptotagmin binding, cytoplasmic RNA interacting prot		5.30	4.34	0.00
A_51_P390538	XM_129176	NA	NA	NA		5.10	4.29	0.00
A_52_P509421	XM_001003	NA	NA	NA		4.38	4.26	0.12
A_52_P422494	NM_145634	Cd300lf	246746	CD300 antigen like family member F		4.21	4.26	0.13
A_51_P182796	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide		3.65	4.24	0.30
A_52_P244236	AK013215	Tmem87b	72477	transmembrane protein 87B		3.59	4.23	0.32
A_52_P150212	NM_011099	Pkm2	18746	pyruvate kinase, muscle		5.37	4.22	0.00
A_51_P428913	D38379	Pkm2	18746	pyruvate kinase, muscle		4.99	4.21	0.08
A_51_P197209	NM_133770	Adck4	76889	aarF domain containing kinase 4		3.05	4.20	0.76
A_51_P254656	NM_008230	Hdc	15186	histidine decarboxylase		4.16	4.19	0.12
A_52_P295432	NM_009141	Cxcl5	20311	chemokine (C-X-C motif) ligand 5		2.98	4.16	0.87
A_51_P480855	NM_021385	Rad18	58186	RAD18 homolog (<i>S. cerevisiae</i>)		3.88	4.16	0.20
A_51_P229129	NM_146818	Olfr1218	258815	olfactory receptor 1218		4.57	4.15	0.09
A_52_P338651	NM_011256	Pitpnm2	19679	phosphatidylinositol transfer protein, membrane-associa		5.97	4.15	0.00
A_51_P249989	NM_145133	Tifa	211550	TRAF-interacting protein with forkhead-associated doma		3.07	4.15	0.74
A_51_P112355	NM_018738	Igtp	16145	interferon gamma induced GTPase		3.42	4.14	0.40
A_51_P294555	NM_001033	Ifitm6	213002	interferon induced transmembrane protein 6		4.36	4.14	0.11
A_52_P676510	NM_011579	Tgtp	21822	T-cell specific GTPase		3.30	4.13	0.50
A_51_P495462	AK018118	Gad2	14417	glutamic acid decarboxylase 2		4.21	4.12	0.13

A_51_P173709	NM_022420	Gprc5b	64297	G protein-coupled receptor, family C, group 5, member B	2.98	4.11	0.87
A_51_P443754	NM_010437	Hivep2	15273	human immunodeficiency virus type I enhancer binding p	3.51	4.11	0.36
A_51_P429087	NM_133669	Rp2h	19889	retinitis pigmentosa 2 homolog (human)	5.17	4.10	0.00
A_51_P408506	BC008626	Icam1	15894	intercellular adhesion molecule 1	3.58	4.10	0.33
A_52_P344978	XR_003344	NA	NA	NA	5.14	4.09	0.00
A_52_P357177	NM_001005	Mtus1	102103	mitochondrial tumor suppressor 1	5.11	4.03	0.00
A_52_P535122	NA	NA	NA	NA	2.91	4.02	0.99
A_52_P220810	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	3.94	4.02	0.19
A_51_P480241	NM_007921	Elf3	13710	E74-like factor 3	3.17	4.01	0.63
A_51_P255699	NM_010809	Mmp3	17392	matrix metalloproteinase 3	3.57	4.01	0.33
A_52_P1196729	AK086288	NA	NA	NA	3.33	4.00	0.49
A_51_P493467	NM_145588	Kif22	110033	kinesin family member 22	3.74	3.99	0.26
A_51_P418375	NM_023844	Jam2	67374	junction adhesion molecule 2	3.53	3.97	0.34
A_51_P327920	AK030273	St7l	229681	suppression of tumorigenicity 7-like	3.93	3.97	0.19
A_51_P452119	NM_008498	Lhx1	16869	LIM homeobox protein 1	3.99	3.96	0.18
A_51_P402943	NM_009114	S100a9	20202	S100 calcium binding protein A9 (calgranulin B)	4.33	3.96	0.11
A_52_P658945	XM_973796	NA	NA	NA	3.78	3.95	0.25
A_51_P345367	NM_010724	Psmb8	16913	proteasome (prosome, macropain) subunit, beta type 8 (	5.04	3.94	0.08
A_51_P397367	NM_009196	Slc16a1	20501	solute carrier family 16 (monocarboxylic acid transporter	3.59	3.94	0.32
A_51_P306839	NM_025465	1810029B1	66282	RIKEN cDNA 1810029B16 gene	3.65	3.92	0.30
A_51_P501248	NM_025367	Sphk1	20698	sphingosine kinase 1	3.18	3.88	0.62
A_51_P294979	NM_013602	Mt1	17748	metallothionein 1	3.22	3.88	0.58
A_52_P443715	AK076444	Tcfcp2	21422	transcription factor CP2	3.33	3.87	0.48
A_51_P324110	NM_144808	Slc39a14	213053	solute carrier family 39 (zinc transporter), member 14	3.11	3.86	0.70
A_51_P419768	NM_009061	Rgs2	19735	regulator of G-protein signaling 2	3.44	3.85	0.40
A_51_P494403	AK046736	Xaf1	327959	XIAP associated factor 1	3.43	3.84	0.40
A_51_P342916	NM_020283	B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, poly	2.95	3.84	0.92
A_51_P182794	NM_009373	Tgm2	21817	transglutaminase 2, C polypeptide	3.59	3.84	0.32
A_52_P139579	NM_011710	Wars	22375	tryptophanyl-tRNA synthetase	3.11	3.84	0.70
A_52_P61786	NM_008211	H3f3b	15081	H3 histone, family 3B	2.95	3.84	0.92
A_51_P417952	NM_013662	Sema6b	20359	sema domain, transmembrane domain (TM), and cytopla	4.12	3.83	0.14
A_51_P248666	NM_021893	Cd274	60533	CD274 antigen	3.45	3.83	0.40
A_51_P155052	NM_053247	Lyve1	114332	lymphatic vessel endothelial hyaluronan receptor 1	4.15	3.83	0.15
A_51_P159610	NM_207202	Ccdc120	54648	coiled-coil domain containing 120	4.55	3.82	0.09

A_51_P483180	AK170966	Snx7	76561	sorting nexin 7	5.61	3.82	0.00
A_51_P367060	NM_013562	Ifrd1	15982	interferon-related developmental regulator 1	3.35	3.82	0.47
A_51_P345366	NM_010724	Psmb8	16913	proteasome (prosome, macropain) subunit, beta type 8 (	5.11	3.80	0.00
A_52_P302108	NM_153398	Zbtb24	268294	zinc finger and BTB domain containing 24	4.19	3.80	0.12
A_51_P357696	AK013342	Puf60	67959	poly-U binding splicing factor 60	3.78	3.79	0.25
A_51_P110173	NM_025454	Ing5	66262	inhibitor of growth family, member 5	4.00	3.79	0.18
A_52_P49797	NA	NA	NA	NA	3.45	3.79	0.40
A_51_P429197	NM_013767	Csnk1e	27373	casein kinase 1, epsilon	3.61	3.79	0.31
A_52_P283628	NM_148945	Rps6ka3	110651	ribosomal protein S6 kinase polypeptide 3	3.79	3.78	0.23
A_51_P144090	NM_030696	Slc16a3	80879	solute carrier family 16 (monocarboxylic acid transporter	3.64	3.77	0.31
A_51_P288138	NM_008039	Fpr2	14289	formyl peptide receptor 2	4.24	3.76	0.13
A_51_P457306	NM_015775	Tmprss2	50528	transmembrane protease, serine 2	4.65	3.75	0.05
A_52_P337357	NM_145211	Oas1a	246730	2'-5' oligoadenylate synthetase 1A	3.61	3.74	0.31
A_51_P427264	NM_181039	Lphn1	330814	latrophilin 1	5.06	3.74	0.09
A_51_P250378	NM_009579	Slc30a1	22782	solute carrier family 30 (zinc transporter), member 1	3.70	3.74	0.27
A_52_P669155	AK170324	Itgam	16409	integrin alpha M	7.39	3.74	0.00
A_51_P279505	NM_019743	Rybp	56353	RING1 and YY1 binding protein	3.38	3.71	0.44
A_52_P693104	AV147182	NA	NA	NA	5.14	3.71	0.00
A_51_P112405	NM_011113	Plaur	18793	plasminogen activator, urokinase receptor	3.43	3.70	0.40
A_51_P272106	NM_007705	Cirbp	12696	cold inducible RNA binding protein	3.05	3.70	0.76
A_52_P414464	NM_207649	Rcan2	53901	regulator of calcineurin 2	4.58	3.68	0.09
A_51_P362863	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	3.28	3.68	0.53
A_52_P478025	NM_021491	Smpd3	58994	sphingomyelin phosphodiesterase 3, neutral	3.98	3.67	0.17
A_52_P245119	NM_009196	Slc16a1	20501	solute carrier family 16 (monocarboxylic acid transporter	3.33	3.67	0.49
A_52_P241484	NM_021525	Rcl1	59028	RNA terminal phosphate cyclase-like 1	3.40	3.66	0.42
A_51_P201338	NM_144800	Mtss1	211401	metastasis suppressor 1	3.46	3.66	0.38
A_51_P136277	NM_027874	Csnk1d	104318	casein kinase 1, delta	3.72	3.66	0.27
A_51_P370720	NM_024290	Tnfrsf23	79201	tumor necrosis factor receptor superfamily, member 23	4.06	3.65	0.16
A_52_P8953	NM_133669	Rp2h	19889	retinitis pigmentosa 2 homolog (human)	4.50	3.64	0.09
A_52_P570266	NM_013640	Psmb10	19171	proteasome (prosome, macropain) subunit, beta type 10	4.59	3.62	0.09
A_51_P319917	NM_007403	Adam8	11501	a disintegrin and metallopeptidase domain 8	4.05	3.62	0.16
A_51_P325904	NM_008381	Inhbb	16324	inhibin beta-B	2.96	3.62	0.92
A_51_P432180	NM_001029	Slc16a6	104681	solute carrier family 16 (monocarboxylic acid transporter	3.74	3.61	0.26
A_52_P840743	NA	NA	NA	NA	4.85	3.61	0.06

A_52_P1026777	NM_001033: Ecscr	68545	endothelial cell-specific chemotaxis regulator	4.17	3.61	0.12
A_51_P291417	NM_009378 Thbd	21824	thrombomodulin	3.14	3.61	0.67
A_51_P268983	XM_144099 Myom3	242702	myomesin family, member 3	3.91	3.60	0.21
A_52_P317524	NM_153165 Khlh15	236904	kelch-like 15 (Drosophila)	4.15	3.58	0.15
A_52_P417890	NM_010555 Il1r2	16178	interleukin 1 receptor, type II	3.43	3.58	0.40
A_52_P210511	NM_011612 Tnfrsf9	21942	tumor necrosis factor receptor superfamily, member 9	3.94	3.57	0.19
A_52_P646663	NA NA	NA	NA	4.17	3.56	0.12
A_51_P201982	NM_007426 Angpt2	11601	angiopoietin 2	3.35	3.56	0.47
A_51_P126437	NM_007930 Enc1	13803	ectodermal-neural cortex 1	3.01	3.56	0.82
A_52_P228491	NM_001025: Lrig2	269473	leucine-rich repeats and immunoglobulin-like domains 2	3.55	3.56	0.34
A_51_P320852	NM_007657 Cd9	12527	CD9 antigen	4.83	3.55	0.06
A_52_P35895	NM_001035: Akap2	11641	A kinase (PRKA) anchor protein 2	3.60	3.55	0.32
A_52_P681787	NM_007805 Cyb561	13056	cytochrome b-561	4.63	3.54	0.05
A_51_P490397	NM_133692 Pold3	67967	polymerase (DNA-directed), delta 3, accessory subunit	4.34	3.54	0.11
A_52_P469502	NM_028176 Cda	72269	cytidine deaminase	3.36	3.52	0.46
A_52_P500027	NM_017373 Nfil3	18030	nuclear factor, interleukin 3, regulated	3.09	3.52	0.71
A_52_P502267	NM_172663 Epc2	227867	enhancer of polycomb homolog 2 (Drosophila)	3.30	3.50	0.52
A_52_P646602	NM_027815 9030624J0:71517		RIKEN cDNA 9030624J02 gene	3.96	3.50	0.17
A_52_P642207	NM_018810 Mkrn1	54484	makorin, ring finger protein, 1	6.40	3.50	0.00
A_51_P193000	NM_175325 Bbs4	102774	Bardet-Biedl syndrome 4 (human)	3.28	3.50	0.53
A_51_P268053	NM_008696 Map4k4	26921	mitogen-activated protein kinase kinase kinase kinase 4	4.36	3.49	0.11
A_51_P142529	NM_011316 Saa4	20211	serum amyloid A 4	4.89	3.49	0.07
A_52_P310530	NM_053104 Rbm9	93686	RNA binding motif protein 9	5.00	3.48	0.08
A_52_P318673	NM_009117 Saa1	20208	serum amyloid A 1	3.63	3.48	0.31
A_52_P306305	NM_001035: Akap2	11641	A kinase (PRKA) anchor protein 2	3.71	3.48	0.28
A_51_P224227	XM_900563 NA	NA	NA	3.77	3.47	0.25
A_52_P477369	NM_139059 Csnk1d	104318	casein kinase 1, delta	3.75	3.47	0.26
A_52_P563825	NM_020283 B3galt1	26877	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, poly	3.19	3.46	0.60
A_51_P161362	NM_145552 Gnl2	230737	guanine nucleotide binding protein-like 2 (nucleolar)	4.04	3.46	0.16
A_51_P491987	NM_019955 Ripk3	56532	receptor-interacting serine-threonine kinase 3	5.48	3.46	0.00
A_52_P412167	NM_080467 Atp6v0a4	140494	ATPase, H+ transporting, lysosomal V0 subunit A4	4.92	3.46	0.07
A_52_P218058	NM_001038: Clec5a	23845	C-type lectin domain family 5, member a	5.74	3.45	0.00
A_52_P398989	NM_139200 Cytip	227929	cytohesin 1 interacting protein	3.58	3.45	0.33
A_52_P266132	NM_008013 Fgl2	14190	fibrinogen-like protein 2	4.06	3.45	0.16

A_52_P85864	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	4.21	3.45	0.13
A_52_P511821	NM_027057	Wdfy1	69368	WD repeat and FYVE domain containing 1	5.00	3.44	0.08
A_51_P305950	NM_013501	Cryaa	12954	crystallin, alpha A	3.14	3.43	0.66
A_52_P652094	NM_022028	Sav1	64010	salvador homolog 1 (Drosophila)	3.54	3.43	0.34
A_51_P304500	NM_001025	Tapbp	21356	TAP binding protein	5.39	3.43	0.00
A_51_P312795	NM_008428	Kcnj8	16523	potassium inwardly-rectifying channel, subfamily J, mem	3.77	3.42	0.25
A_52_P527800	NM_145158	Emilin2	246707	elastin microfibril interfacier 2	5.52	3.42	0.00
A_52_P450236	NM_172713	Sdad1	231452	SDA1 domain containing 1	4.10	3.41	0.14
A_51_P463562	NM_008620	Gbp4	17472	guanylate binding protein 4	3.37	3.41	0.45
A_51_P429335	NM_019429	Prss16	54373	protease, serine, 16 (thymus)	3.22	3.41	0.58
A_52_P117408	NM_009375	Tg	21819	thyroglobulin	4.26	3.41	0.10
A_51_P246317	NM_008630	Mt2	17750	metallothionein 2	3.14	3.40	0.67
A_52_P589023	NM_027123	Fastkd3	69577	FAST kinase domains 3	3.51	3.39	0.36
A_51_P438820	NM_023258	Pycard	66824	PYD and CARD domain containing	4.56	3.39	0.09
A_52_P924359	NA	NA	NA	NA	4.30	3.39	0.11
A_51_P300054	XM_986054	4933440N2	74471	RIKEN cDNA 4933440N22 gene	4.03	3.38	0.16
A_51_P327261	NM_021327	Tnip1	57783	TNFAIP3 interacting protein 1	3.77	3.37	0.25
A_52_P625880	AK029366	Tmem209	72649	transmembrane protein 209	4.85	3.36	0.06
A_51_P481210	NM_177429	Ofd1	237222	oral-facial-digital syndrome 1 gene homolog (human)	3.93	3.36	0.19
A_52_P180373	XM_129176	NA	NA	NA	5.13	3.36	0.00
A_51_P327511	NM_008013	Fgl2	14190	fibrinogen-like protein 2	4.01	3.36	0.18
A_52_P509710	NM_025635	Zwint	52696	ZW10 interactor	3.89	3.36	0.21
A_51_P116601	NM_172447	A330021E2	207686	RIKEN cDNA A330021E22 gene	3.08	3.36	0.72
A_51_P519251	NM_019738	Nupr1	56312	nuclear protein 1	3.71	3.35	0.28
A_52_P117352	NM_008120	Gja4	14612	gap junction protein, alpha 4	3.51	3.34	0.36
A_51_P401797	NM_013599	Mmp9	17395	matrix metalloproteinase 9	5.02	3.33	0.08
A_52_P371946	NM_010579	Eif6	16418	eukaryotic translation initiation factor 6	3.85	3.32	0.22
A_52_P645275	BC085283	NA	NA	NA	4.69	3.31	0.05
A_51_P315754	NM_028315	Dis3	72662	DIS3 mitotic control homolog (S. cerevisiae)	3.95	3.31	0.19
A_52_P222073	NM_021609	Ccbp2	59289	chemokine binding protein 2	4.73	3.31	0.06
A_51_P235835	NA	NA	NA	NA	7.07	3.31	0.00
A_51_P336833	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	3.46	3.31	0.40
A_51_P193336	NM_016773	Nucb2	53322	nucleobindin 2	4.98	3.31	0.08
A_51_P354265	NM_009256	Serpinb9	20723	serine (or cysteine) peptidase inhibitor, clade B, member	3.95	3.31	0.19

A_51_P154842	NM_145153	Oas1f	243262	2'-5' oligoadenylate synthetase 1F	3.69	3.30	0.29
A_51_P519295	NM_009817	Cast	12380	calpastatin	3.15	3.30	0.65
A_52_P86693	NM_026790	Ifi2711	52668	interferon, alpha-inducible protein 27 like 1	7.04	3.30	0.00
A_51_P285462	NM_146276	Olfr1394	258273	olfactory receptor 1394	3.90	3.30	0.21
A_52_P669510	NA	NA	NA	NA	6.11	3.29	0.00
A_51_P398878	NM_030724	Uck2	80914	uridine-cytidine kinase 2	3.17	3.28	0.63
A_51_P112966	NM_009890	Ch25h	12642	cholesterol 25-hydroxylase	3.71	3.28	0.28
A_51_P166886	NM_011314	Saa2	20209	serum amyloid A 2	3.40	3.27	0.42
A_51_P172292	NM_018746	Itih4	16427	inter alpha-trypsin inhibitor, heavy chain 4	5.32	3.27	0.00
A_51_P341647	NM_007985	Fancc	14088	Fanconi anemia, complementation group C	3.08	3.27	0.71
A_52_P8922	NM_009229	Sntb2	20650	syntrophin, basic 2	3.72	3.27	0.27
A_51_P346964	NM_029844	Mrap	77037	melanocortin 2 receptor accessory protein	3.10	3.26	0.70
A_51_P331279	NM_023142	Arpc1b	11867	actin related protein 2/3 complex, subunit 1B	6.34	3.26	0.00
A_52_P153189	NM_024269	Arl2bp	107566	ADP-ribosylation factor-like 2 binding protein	6.54	3.25	0.00
A_51_P262238	NM_021885	Tub	22141	tubby candidate gene	3.17	3.25	0.63
A_51_P485828	NM_007880	Arid3a	13496	AT rich interactive domain 3A (BRIGHT-like)	5.10	3.24	0.00
A_51_P189151	AK028396	Kbtbd2	210973	kelch repeat and BTB (POZ) domain containing 2	3.27	3.24	0.53
A_51_P499940	NM_008252	Hmgb2	97165	high mobility group box 2	3.29	3.23	0.52
A_52_P170486	NM_028259	Rps6kb1	72508	ribosomal protein S6 kinase, polypeptide 1	4.31	3.23	0.11
A_51_P164347	XM_912670	NA	NA	NA	5.36	3.23	0.00
A_52_P571938	NM_026855	Arv1	68865	ARV1 homolog (yeast)	3.61	3.23	0.31
A_52_P607230	NM_010740	Cd93	17064	CD93 antigen	5.80	3.22	0.00
A_51_P102740	AK084873	NA	NA	NA	2.89	3.22	1.02
A_51_P412160	NM_172572	Rhbdf2	217344	rhomboid 5 homolog 2 (Drosophila)	3.03	3.21	0.79
A_51_P421912	NM_145711	Tox	252838	thymocyte selection-associated high mobility group box	3.24	3.21	0.56
A_51_P361448	NM_028903	Scara5	71145	scavenger receptor class A, member 5 (putative)	3.39	3.21	0.44
A_51_P360492	NM_008567	Mcm6	17219	minichromosome maintenance deficient 6 (MIS5 homolog)	3.33	3.21	0.48
A_51_P320593	NM_027185	Def6	23853	differentially expressed in FDCP 6	8.12	3.21	0.00
A_52_P186033	NM_009259	Spn	20737	sialophorin	5.49	3.21	0.00
A_51_P177392	AB041546	Tacc2	57752	transforming, acidic coiled-coil containing protein 2	3.14	3.20	0.67
A_51_P454873	NM_023456	Npy	109648	neuropeptide Y	2.90	3.20	0.99
A_51_P517843	NM_027450	Glipr2	384009	GLI pathogenesis-related 2	3.72	3.20	0.27
A_52_P35057	XM_900689	NA	NA	NA	8.40	3.19	0.00
A_51_P228232	NM_008028	Flot2	14252	flotillin 2	5.41	3.19	0.00

A_51_P367310	NM_028083	Chaf1b	110749	chromatin assembly factor 1, subunit B (p60)	3.68	3.19	0.29
A_52_P653406	NA	NA	NA	NA	2.93	3.18	0.96
A_52_P650387	NM_001045	Ccnj1	380694	cyclin J-like	4.91	3.18	0.07
A_52_P525307	BC031426	NA	NA	NA	3.55	3.18	0.34
A_51_P339824	NM_177700	Atmin	234776	ATM interactor	3.66	3.17	0.29
A_51_P105078	NM_011311	S100a4	20198	S100 calcium binding protein A4	2.96	3.16	0.91
A_52_P549405	NM_001039	Asxl1	228790	additional sex combs like 1 (Drosophila)	3.59	3.16	0.32
A_51_P499838	NM_009763	Bst1	12182	bone marrow stromal cell antigen 1	4.10	3.16	0.14
A_52_P46310	NM_027946	Dcaf7	71833	DDB1 and CUL4 associated factor 7	4.76	3.16	0.06
A_51_P297388	NM_027733	Spata24	71242	spermatogenesis associated 24	4.40	3.15	0.10
A_52_P584058	NM_001039	Ivns1abp	117198	influenza virus NS1A binding protein	5.48	3.15	0.00
A_51_P333274	NM_013542	Gzmb	14939	granzyme B	3.36	3.15	0.46
A_52_P417825	NM_145950	Osgin2	209212	oxidative stress induced growth inhibitor family member	3.75	3.15	0.26
A_51_P273921	NM_007599	Capg	12332	capping protein (actin filament), gelsolin-like	4.17	3.14	0.12
A_51_P208121	NM_182782	Klhl25	207952	kelch-like 25 (Drosophila)	3.14	3.14	0.67
A_51_P339943	NM_010917	Nid1	18073	nidogen 1	6.49	3.14	0.00
A_52_P392509	AK018404	Gin1	252876	gypsy retrotransposon integrase 1	2.99	3.14	0.85
A_52_P195107	NM_021359	Irgb6	16420	integrin beta 6	3.64	3.14	0.31
A_51_P208603	NM_010050	Dio2	13371	deiodinase, iodothyronine, type II	3.94	3.14	0.19
A_52_P195839	NM_009982	Ctsc	13032	cathepsin C	3.75	3.13	0.26
A_51_P123216	NM_029492	Zdhhc20	75965	zinc finger, DHHC domain containing 20	4.24	3.13	0.13
A_51_P511787	NM_007609	Casp4	12363	caspase 4, apoptosis-related cysteine peptidase	3.75	3.13	0.26
A_52_P424308	NM_176998	5730410E1319613		RIKEN cDNA 5730410E15 gene	3.52	3.13	0.35
A_52_P655778	XR_002713	NA	NA	NA	3.70	3.12	0.27
A_52_P77332	NM_022655	Ireb2	64602	iron responsive element binding protein 2	3.20	3.12	0.60
A_51_P416910	NM_172289	Slc36a4	234967	solute carrier family 36 (proton/amino acid symporter), r	4.00	3.11	0.18
A_52_P535195	AK139506	Gpbp1l1	77110	GC-rich promoter binding protein 1-like 1	3.78	3.11	0.25
A_51_P423091	NM_008027	Flot1	14251	flotillin 1	4.20	3.10	0.13
A_51_P446232	NM_019813	Dbn1	56320	drebrin 1	3.36	3.10	0.46
A_51_P293781	NM_016863	Fkbp1b	14226	FK506 binding protein 1b	4.37	3.10	0.11
A_51_P507801	NM_028784	F13a1	74145	coagulation factor XIII, A1 subunit	4.02	3.10	0.18
A_51_P382849	NM_010330	Emb	13723	embigin	5.25	3.09	0.00
A_51_P155935	NM_144905	6330416G1230279		RIKEN cDNA 6330416G13 gene	3.33	3.09	0.48
A_51_P482425	NM_152815	Lins2	72635	lines homolog 2 (Drosophila)	5.03	3.08	0.08

A_52_P665742	BC069989	Sreb2	20788	sterol regulatory element binding factor 2	4.63	3.08	0.05
A_51_P518378	NM_007404	Adam9	11502	a disintegrin and metallopeptidase domain 9 (meltrin gamma)	4.25	3.08	0.10
A_52_P238159	BC042188	Gm9975	327988	predicted gene 9975	2.91	3.08	0.98
A_51_P172054	NM_019521	Gas6	14456	growth arrest specific 6	3.62	3.08	0.31
A_51_P454008	NM_008489	Lbp	16803	lipopolysaccharide binding protein	3.99	3.08	0.18
A_52_P497235	NM_026985	1810033B1	69189	RIKEN cDNA 1810033B17 gene	3.80	3.08	0.24
A_51_P338443	NM_020581	Angptl4	57875	angiopoietin-like 4	3.38	3.07	0.45
A_51_P104418	NM_022019	Dusp10	63953	dual specificity phosphatase 10	3.69	3.07	0.29
A_52_P213932	NM_009621	Adamts1	11504	a disintegrin-like and metallopeptidase (reprolysin type) 1	4.61	3.07	0.05
A_52_P82765	NA	NA	NA	NA	3.83	3.07	0.23
A_51_P336830	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	3.15	3.07	0.66
A_51_P167979	XM_001003	NA	NA	NA	5.17	3.07	0.00
A_51_P440092	NM_175240	Fam187b	76415	family with sequence similarity 187, member B	5.30	3.07	0.00
A_51_P376445	NM_008818	Rhox5	18617	reproductive homeobox 5	3.28	3.06	0.53
A_51_P193011	NM_001025	NA	NA	NA	4.77	3.06	0.06
A_52_P129354	NM_175325	Bbs4	102774	Bardet-Biedl syndrome 4 (human)	3.09	3.06	0.71
A_51_P314547	AK019935	NA	NA	NA	3.18	3.06	0.62
A_52_P149864	NM_016957	Hmgn2	15331	high mobility group nucleosomal binding domain 2	3.98	3.06	0.17
A_51_P394190	NM_010723	Lmo4	16911	LIM domain only 4	3.29	3.05	0.52
A_52_P365434	BC051182	D5Ert579c	320661	DNA segment, Chr 5, ERATO Doi 579, expressed	4.09	3.05	0.17
A_52_P151853	NM_001025	Tpd52	21985	tumor protein D52	4.53	3.05	0.09
A_51_P354154	NM_028003	Rpap3	71919	RNA polymerase II associated protein 3	4.65	3.05	0.05
A_51_P161612	NM_009831	Ccng1	12450	cyclin G1	6.47	3.05	0.00
A_52_P579580	NA	NA	NA	NA	3.99	3.04	0.18
A_51_P103819	NM_144551	Trib2	217410	tribbles homolog 2 (Drosophila)	4.04	3.04	0.16
A_51_P184672	U21674	Tcte3	21647	t-complex-associated testis expressed 3	3.36	3.03	0.46
A_51_P421140	NM_026473	Tubb6	67951	tubulin, beta 6	3.02	3.03	0.79
A_51_P317427	NM_177420	Psat1	107272	phosphoserine aminotransferase 1	3.87	3.02	0.20
A_51_P343350	NM_033603	Amn	93835	amnionless	5.72	3.02	0.00
A_51_P389751	NM_009046	Relb	19698	avian reticuloendotheliosis viral (v-rel) oncogene related	3.13	3.02	0.67
A_51_P375680	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	4.49	3.02	0.09
A_51_P166648	NM_027627	4931408AC	70967	RIKEN cDNA 4931408A02 gene	4.61	3.02	0.05
A_52_P247788	NM_172625	Ino80c	225280	INO80 complex subunit C	4.53	3.02	0.09
A_52_P614888	NM_022028	Sav1	64010	salvador homolog 1 (Drosophila)	3.10	3.01	0.70

A_51_P284793	NM_027927	Ints12	71793	integrator complex subunit 12	3.63	3.01	0.31
A_51_P273157	NM_023898	Pde6h	78600	phosphodiesterase 6H, cGMP-specific, cone, gamma	3.24	3.01	0.56
A_51_P193146	NM_028595	Ms4a6c	73656	membrane-spanning 4-domains, subfamily A, member 6c	3.80	3.01	0.24
A_52_P104761	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	2.97	3.01	0.89
A_51_P235687	NM_009663	Alox5ap	11690	arachidonate 5-lipoxygenase activating protein	4.77	3.00	0.06
A_52_P68440	NA	NA	NA	NA	4.36	3.00	0.11
A_52_P236072	NM_008636	Mtf1	17764	metal response element binding transcription factor 1	4.14	3.00	0.15
A_51_P141315	XM_902782	NA	NA	NA	4.65	3.00	0.05
A_52_P522166	BU509931	2810026P1	72655	RIKEN cDNA 2810026P18 gene	3.43	3.00	0.40
A_51_P146850	NM_146131	Pbxip1	229534	pre-B-cell leukemia transcription factor interacting prote	3.68	2.99	0.29
A_51_P184928	NM_028968	lfitm7	74482	interferon induced transmembrane protein 7	5.55	2.99	0.00
A_51_P474459	NM_007707	Socs3	12702	suppressor of cytokine signaling 3	2.90	2.99	0.99
A_52_P68261	NM_023898	Pde6h	78600	phosphodiesterase 6H, cGMP-specific, cone, gamma	2.92	2.98	0.98
A_51_P248959	XM_896388	NA	NA	NA	3.52	2.97	0.35
A_51_P383032	NM_010819	Clec4d	17474	C-type lectin domain family 4, member d	3.77	2.97	0.25
A_51_P384831	NM_134164	Syt12	171180	synaptotagmin XII	3.53	2.96	0.34
A_51_P359636	NM_011150	Lgals3bp	19039	lectin, galactoside-binding, soluble, 3 binding protein	5.03	2.96	0.08
A_51_P181517	NM_144559	Fcgr4	246256	Fc receptor, IgG, low affinity IV	3.69	2.96	0.29
A_52_P395083	AK156874	NA	NA	NA	3.06	2.96	0.76
A_52_P144925	NM_027261	Taf1d	75316	TATA box binding protein (Tbp)-associated factor, RNA p	4.55	2.96	0.09
A_51_P236175	NM_009069	Rit1	19769	Ras-like without CAAX 1	4.75	2.95	0.06
A_52_P73134	NM_130796	Snx18	170625	sorting nexin 18	3.87	2.95	0.20
A_52_P134639	NM_009444	Tgoln2	22135	trans-golgi network protein 2	2.98	2.94	0.87
A_51_P316816	NM_023738	Uba7	74153	ubiquitin-like modifier activating enzyme 7	5.09	2.94	0.00
A_51_P413088	NA	NA	NA	NA	4.09	2.93	0.17
A_52_P635388	AB026047	Ms4a6d	68774	membrane-spanning 4-domains, subfamily A, member 6d	3.54	2.93	0.34
A_52_P312904	AK161527	Pcbp2	18521	poly(rC) binding protein 2	3.38	2.93	0.45
A_52_P323852	NM_023680	Tnfrsf22	79202	tumor necrosis factor receptor superfamily, member 22	3.00	2.93	0.85
A_51_P326191	NM_009251	Serpina3g	20715	serine (or cysteine) peptidase inhibitor, clade A, member	3.35	2.92	0.46
A_51_P128876	NM_025378	lfitm3	66141	interferon induced transmembrane protein 3	5.67	2.92	0.00
A_51_P356283	NM_133765	Fbxo31	76454	F-box protein 31	3.48	2.92	0.39
A_52_P597775	NM_181444	Gprc5a	232431	G protein-coupled receptor, family C, group 5, member A	4.41	2.92	0.08
A_51_P333349	NM_172541	Tmem120a	215210	transmembrane protein 120A	4.73	2.92	0.06
A_51_P485312	NM_013653	Ccl5	20304	chemokine (C-C motif) ligand 5	3.56	2.91	0.35

A_51_P148093	NM_008984	Ptpm	19274	protein tyrosine phosphatase, receptor type, M	3.62	2.91	0.31
A_52_P128612	NA	NA	NA	NA	3.36	2.91	0.46
A_52_P119814	NM_001004	Slc13a5	237831	solute carrier family 13 (sodium-dependent citrate transp	3.53	2.91	0.34
A_51_P245368	NM_011075	Abcb1b	18669	ATP-binding cassette, sub-family B (MDR/TAP), member :	3.63	2.90	0.31
A_51_P306608	NM_029248	Taf1d	75316	TATA box binding protein (Tbp)-associated factor, RNA p	3.90	2.90	0.21
A_51_P258150	NM_007408	Plin2	11520	perilipin 2	4.25	2.90	0.13
A_51_P317460	NM_010824	Mpo	17523	myeloperoxidase	4.20	2.89	0.13
A_51_P476820	NM_028500	Calr3	73316	calreticulin 3	7.65	2.89	0.00
A_51_P323081	NM_198161	Bhlhb9	70237	basic helix-loop-helix domain containing, class B9	3.55	2.89	0.34
A_52_P594750	NM_021494	Dennd5a	19347	DENN/MADD domain containing 5A	3.22	2.89	0.58
A_52_P184160	NA	NA	NA	NA	4.73	2.89	0.06
A_51_P377237	NM_021284	Kras	16653	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	3.94	2.89	0.19
A_52_P601497	AK053591	Trim39	79263	tripartite motif-containing 39	4.44	2.88	0.08
A_51_P386382	NM_025858	Shisa5	66940	shisa homolog 5 (<i>Xenopus laevis</i>)	4.68	2.88	0.05
A_51_P231320	NM_008611	Mmp8	17394	matrix metalloproteinase 8	3.68	2.88	0.29
A_52_P120037	NM_010128	Emp1	13730	epithelial membrane protein 1	3.44	2.88	0.40
A_52_P502717	NM_176913	Dpep2	319446	dipeptidase 2	4.70	2.88	0.05
A_52_P288873	NM_029362	Chmp4b	75608	chromatin modifying protein 4B	3.84	2.87	0.22
A_51_P506356	NM_026316	Aldh3b1	67689	aldehyde dehydrogenase 3 family, member B1	3.11	2.87	0.70
A_51_P400784	NM_001039	Hnrnpa1	15382	heterogeneous nuclear ribonucleoprotein A1	4.03	2.87	0.16
A_52_P661071	NR_003270	Snhg3	399101	small nucleolar RNA host gene (non-protein coding) 3	5.53	2.87	0.00
A_51_P423578	NM_011408	Slfn2	20556	schlafen 2	3.68	2.87	0.29
A_52_P110052	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	3.25	2.87	0.55
A_52_P512817	NM_025858	Shisa5	66940	shisa homolog 5 (<i>Xenopus laevis</i>)	4.94	2.86	0.07
A_52_P232813	NM_203320	Cxcl3	330122	chemokine (C-X-C motif) ligand 3	3.27	2.86	0.53
A_52_P161488	NM_019948	Clec4e	56619	C-type lectin domain family 4, member e	3.49	2.85	0.38
A_51_P479818	NM_028894	Lonrf3	74365	LON peptidase N-terminal domain and ring finger 3	3.82	2.85	0.24
A_51_P254541	NM_007527	Bax	12028	BCL2-associated X protein	4.58	2.85	0.09
A_52_P50216	NM_146043	Spin1	20729	spindlin 1	4.03	2.84	0.16
A_52_P191059	AK043395	Zfp612	234725	zinc finger protein 612	4.85	2.84	0.06
A_52_P399934	NM_010090	Dusp2	13537	dual specificity phosphatase 2	3.64	2.84	0.31
A_52_P454765	NM_172286	6430548M08	234797	RIKEN cDNA 6430548M08 gene	4.44	2.84	0.08
A_51_P159803	NM_032002	Nrg4	83961	neuregulin 4	2.97	2.84	0.89
A_51_P172231	NM_026960	Gsdmd	69146	gasdermin D	6.26	2.84	0.00

A_51_P292057	NM_030732	Tbl1xr1	81004	transducin (beta)-like 1X-linked receptor 1	3.80	2.84	0.24
A_52_P563475	NM_026160	Map1lc3b	67443	microtubule-associated protein 1 light chain 3 beta	4.45	2.84	0.08
A_52_P501697	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	5.77	2.83	0.00
A_52_P34979	BC055805	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	3.42	2.83	0.40
A_51_P286737	NM_011333	Ccl2	20296	chemokine (C-C motif) ligand 2	3.44	2.82	0.40
A_52_P657123	NA	NA	NA	NA	6.09	2.82	0.00
A_51_P399373	AK150140	Wasf2	242687	WAS protein family, member 2	4.47	2.81	0.08
A_51_P200277	NM_023475	Serhl	68607	serine hydrolase-like	5.10	2.81	0.00
A_51_P372550	BC023116	Cgref1	68567	cell growth regulator with EF hand domain 1	4.75	2.81	0.06
A_52_P413035	NM_013785	Ip6k1	27399	inositol hexaphosphate kinase 1	4.62	2.81	0.05
A_52_P371922	XM_988404	NA	NA	NA	3.12	2.81	0.70
A_51_P216702	NM_175313	A130022J1	101351	RIKEN cDNA A130022J15 gene	3.75	2.80	0.26
A_51_P377452	NM_008677	Ncf4	17972	neutrophil cytosolic factor 4	3.39	2.80	0.44
A_51_P307150	NM_008324	Ido1	15930	indoleamine 2,3-dioxygenase 1	3.93	2.80	0.19
A_52_P940978	W15861	NA	NA	NA	4.77	2.80	0.06
A_52_P463977	NM_197986	Tmem140	68487	transmembrane protein 140	3.16	2.80	0.65
A_52_P217100	NA	NA	NA	NA	4.68	2.79	0.05
A_51_P281593	AK144593	Ppapdc1b	71910	phosphatidic acid phosphatase type 2 domain containing	3.35	2.79	0.47
A_52_P114282	NM_001009	Armcx5	494468	armadillo repeat containing, X-linked 5	3.41	2.79	0.43
A_52_P366696	NM_026983	Erp27	69187	endoplasmic reticulum protein 27	4.30	2.78	0.11
A_51_P314907	NM_013726	Dbf4	27214	DBF4 homolog (S. cerevisiae)	3.71	2.78	0.28
A_51_P153982	NM_001029	Cytsb	432572	cytospin B	3.89	2.78	0.21
A_51_P297679	NM_008225	Hcls1	15163	hematopoietic cell specific Lyn substrate 1	4.71	2.78	0.06
A_52_P15658	NA	NA	NA	NA	4.54	2.77	0.09
A_52_P471583	NM_199068	Foxk1	17425	forkhead box K1	3.19	2.77	0.60
A_52_P176245	NM_010258	Gata6	14465	GATA binding protein 6	3.00	2.76	0.85
A_51_P325165	NM_145636	Il27	246779	interleukin 27	4.04	2.76	0.16
A_51_P381260	NM_008761	Fxyd5	18301	FXD domain-containing ion transport regulator 5	5.97	2.76	0.00
A_52_P1193423	XM_148801	Prr22	224908	proline rich 22	4.01	2.76	0.18
A_51_P427563	NM_025815	Cpne8	66871	copine VIII	3.04	2.76	0.79
A_52_P110070	AK017567	5730416F0	70550	RIKEN cDNA 5730416F02 gene	3.59	2.75	0.32
A_51_P172573	NM_013671	Sod2	20656	superoxide dismutase 2, mitochondrial	4.96	2.75	0.07
A_51_P372826	NM_145533	Smox	228608	spermine oxidase	4.47	2.75	0.08
A_52_P648203	XM_619304	NA	NA	NA	3.06	2.75	0.75

A_52_P275864	NM_144905	6330416G1230279	RIKEN cDNA 6330416G13 gene	4.52	2.75	0.09
A_51_P265999	NM_146238	Gemin8 237221	gem (nuclear organelle) associated protein 8	3.64	2.75	0.30
A_51_P515883	NM_139198	Plac8 231507	placenta-specific 8	3.54	2.75	0.34
A_52_P112021	NM_172289	Slc36a4 234967	solute carrier family 36 (proton/amino acid symporter), r	5.87	2.74	0.00
A_51_P305770	NM_145158	Emilin2 246707	elastin microfibril interfacier 2	4.43	2.74	0.08
A_52_P284658	NM_029976	Cdkn2aipnl52626	CDKN2A interacting protein N-terminal like	4.71	2.74	0.06
A_51_P511480	NM_028680	Ift57 73916	intraflagellar transport 57 homolog (Chlamydomonas)	4.74	2.74	0.06
A_51_P287606	NM_028484	1700037C173261	RIKEN cDNA 1700037C18 gene	3.65	2.74	0.29
A_51_P427516	NM_019576	Thsd1 56229	thrombospondin, type I, domain 1	5.23	2.73	0.00
A_51_P476767	NM_010924	Nnmt 18113	nicotinamide N-methyltransferase	3.71	2.73	0.28
A_51_P435830	NM_029212	Ccdc33 382077	coiled-coil domain containing 33	3.23	2.73	0.58
A_51_P374533	NM_146338	Olfrc374 258335	olfactory receptor 374	3.83	2.73	0.23
A_52_P415440	AK132208	Rps12 20042	ribosomal protein S12	3.78	2.73	0.25
A_52_P382914	NM_011639	Trip6 22051	thyroid hormone receptor interactor 6	3.41	2.73	0.42
A_51_P262699	NA	NA NA	NA	5.43	2.73	0.00
A_51_P139651	NM_008713	Nos3 18127	nitric oxide synthase 3, endothelial cell	3.06	2.73	0.75
A_51_P304170	NM_023386	Rtp4 67775	receptor transporter protein 4	2.96	2.72	0.91
A_51_P483118	NM_016660	Hmga1 15361	high mobility group AT-hook 1	5.04	2.72	0.08
A_52_P305041	NM_027045	Gcap14 72972	granule cell antiserum positive 14	3.36	2.72	0.46
A_52_P201337	NM_010900	Nfatc2ip 18020	nuclear factor of activated T-cells, cytoplasmic, calcineuri	3.59	2.72	0.32
A_51_P251256	NM_009195	Slc12a4 20498	solute carrier family 12, member 4	6.32	2.71	0.00
A_51_P516625	NM_008090	Gata2 14461	GATA binding protein 2	3.94	2.71	0.19
A_52_P392674	NM_019736	Acot9 56360	acyl-CoA thioesterase 9	6.89	2.71	0.00
A_52_P413805	AK028505	Rad18 58186	RAD18 homolog (S. cerevisiae)	3.67	2.71	0.29
A_51_P346938	NM_029796	Lrg1 76905	leucine-rich alpha-2-glycoprotein 1	4.62	2.71	0.05
A_51_P116946	NM_080467	Atp6v0a4 140494	ATPase, H+ transporting, lysosomal V0 subunit A4	3.85	2.71	0.22
A_51_P184773	NM_011715	Wdr1 22388	WD repeat domain 1	5.58	2.71	0.00
A_52_P424037	NM_019553	Ddx21 56200	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	3.32	2.71	0.49
A_51_P247249	NM_009662	Alox5 11689	arachidonate 5-lipoxygenase	4.88	2.70	0.07
A_52_P627816	NM_019984	Tgm1 21816	transglutaminase 1, K polypeptide	4.22	2.69	0.13
A_52_P480301	NM_029012	Sppl3 74585	signal peptide peptidase 3	2.91	2.69	0.99
A_51_P274039	NM_007761	Crcp 12909	calcitonin gene-related peptide-receptor component pro	3.26	2.69	0.53
A_51_P118443	AK051656	2310014HC76448	RIKEN cDNA 2310014H01 gene	3.78	2.68	0.25
A_52_P102773	BC072628	Hk1 15275	hexokinase 1	4.07	2.68	0.16

A_51_P354804	NM_080643	Caskin2	140721	CASK-interacting protein 2	4.62	2.68	0.05
A_51_P511482	NM_028680	lft57	73916	intraflagellar transport 57 homolog (Chlamydomonas)	5.29	2.68	0.00
A_51_P411297	NM_016714	Nup50	18141	nucleoporin 50	3.45	2.68	0.40
A_51_P276479	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	3.88	2.67	0.20
A_52_P516097	NM_175529	Leng9	243813	leukocyte receptor cluster (LRC) member 9	3.14	2.67	0.67
A_52_P125993	XM_484715	Sft2d3	67158	SFT2 domain containing 3	3.14	2.67	0.67
A_51_P109449	NM_008519	Ltb4r1	16995	leukotriene B4 receptor 1	4.90	2.67	0.07
A_51_P430423	NM_007398	Ada	11486	adenosine deaminase	3.63	2.66	0.31
A_51_P493771	AK163840	8030462N1	212163	RIKEN cDNA 8030462N17 gene	3.36	2.66	0.46
A_51_P228846	NM_015797	Fbxo6	50762	F-box protein 6	5.75	2.66	0.00
A_52_P44	BC040369	Bcl2l2	12050	BCL2-like 2	3.42	2.66	0.42
A_52_P490770	AK141740	Zfp26	22688	zinc finger protein 26	3.16	2.65	0.65
A_51_P312327	NM_022415	Ptges	64292	prostaglandin E synthase	4.03	2.65	0.16
A_51_P248962	XM_896388	NA	NA	NA	4.11	2.65	0.14
A_51_P446012	NM_172705	Phf13	230936	PHD finger protein 13	2.90	2.65	0.99
A_51_P138952	NM_028815	Cep97	74201	centrosomal protein 97	4.19	2.65	0.12
A_52_P1115511	AK031392	6030422H2	402765	RIKEN cDNA 6030422H21 gene	3.23	2.65	0.56
A_51_P262701	NM_019775	Cpb2	56373	carboxypeptidase B2 (plasma)	6.26	2.65	0.00
A_51_P149714	NM_026835	Ms4a6d	68774	membrane-spanning 4-domains, subfamily A, member 6l	3.30	2.65	0.52
A_51_P320377	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	4.09	2.64	0.17
A_52_P124352	AK078888	lfrd1	15982	interferon-related developmental regulator 1	4.08	2.64	0.16
A_52_P361664	NM_016862	Vti1a	53611	vesicle transport through interaction with t-SNAREs hom	5.10	2.64	0.00
A_51_P400581	NM_023210	Anp32e	66471	acidic (leucine-rich) nuclear phosphoprotein 32 family, m	3.87	2.64	0.22
A_52_P590168	NM_009375	Tg	21819	thyroglobulin	3.23	2.63	0.58
A_51_P213766	NM_013785	lp6k1	27399	inositol hexaphosphate kinase 1	4.33	2.63	0.11
A_51_P256827	NM_013650	S100a8	20201	S100 calcium binding protein A8 (calgranulin A)	3.82	2.63	0.24
A_51_P395011	NM_007523	Bak1	12018	BCL2-antagonist/killer 1	5.38	2.63	0.00
A_51_P156857	NM_134133	2010002N0	106878	RIKEN cDNA 2010002N04 gene	3.10	2.62	0.70
A_52_P214966	NM_177730	Impad1	242291	inositol monophosphatase domain containing 1	3.34	2.62	0.48
A_51_P365189	NM_133990	Il13ra1	16164	interleukin 13 receptor, alpha 1	3.48	2.62	0.37
A_51_P520760	BE570772	Metap2	56307	methionine aminopeptidase 2	3.79	2.62	0.23
A_51_P491350	NM_009932	Col4a2	12827	collagen, type IV, alpha 2	4.33	2.62	0.11
A_51_P162794	NM_010370	Gzma	14938	granzyme A	4.17	2.62	0.12
A_51_P439876	AK020498	Map4k4	26921	mitogen-activated protein kinase kinase kinase kinase 4	3.45	2.61	0.40

A_52_P315280	NM_010918	Nktr	18087	natural killer tumor recognition sequence	3.67	2.61	0.29
A_52_P248483	NM_001044	Zfx	22764	zinc finger protein X-linked	3.49	2.61	0.38
A_51_P241861	NM_016921	Tcirg1	27060	T-cell, immune regulator 1, ATPase, H ⁺ transporting, lyso	3.05	2.61	0.76
A_51_P517695	NM_008530	Ly6f	17071	lymphocyte antigen 6 complex, locus F	4.98	2.61	0.08
A_51_P208330	NM_018883	Camkk1	55984	calcium/calmodulin-dependent protein kinase kinase 1, α	5.70	2.61	0.00
A_51_P333253	NM_178440	Myo1g	246177	myosin IG	4.43	2.61	0.08
A_51_P147878	NM_010432	Hipk1	15257	homeodomain interacting protein kinase 1	3.87	2.61	0.20
A_52_P73385	AK086933	Fas	14102	Fas (TNF receptor superfamily member 6)	3.47	2.60	0.39
A_51_P394690	NM_175036	Leprot	230514	leptin receptor overlapping transcript	2.96	2.60	0.92
A_51_P150195	NM_028860	Mtmr3	74302	myotubularin related protein 3	3.64	2.60	0.31
A_51_P382152	NM_011171	Procr	19124	protein C receptor, endothelial	3.38	2.60	0.45
A_52_P193533	AK159732	Slc25a30	67554	solute carrier family 25, member 30	2.94	2.59	0.93
A_52_P141338	NM_022816	Acot10	64833	acyl-CoA thioesterase 10	6.26	2.59	0.00
A_51_P480209	NM_007889	Dvl3	13544	dishevelled 3, dsh homolog (Drosophila)	3.47	2.59	0.39
A_52_P665520	NM_028680	lft57	73916	intraflagellar transport 57 homolog (Chlamydomonas)	5.09	2.59	0.00
A_52_P344354	AK154692	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2	3.12	2.58	0.70
A_52_P276666	NM_009881	Cdyl	12593	chromodomain protein, Y chromosome-like	2.94	2.57	0.95
A_51_P310040	NM_144904	Rod1	230257	ROD1 regulator of differentiation 1 (S. pombe)	3.87	2.57	0.20
A_52_P218440	NM_178098	4930486L2	214639	RIKEN cDNA 4930486L24 gene	4.18	2.57	0.12
A_52_P154710	AK170547	Sesn2	230784	sestrin 2	3.21	2.56	0.59
A_52_P293232	NM_030705	Mesdc1	80889	mesoderm development candidate 1	3.79	2.56	0.23
A_52_P253015	AK163954	Erap1	80898	endoplasmic reticulum aminopeptidase 1	4.34	2.56	0.11
A_52_P465521	NA	NA	NA	NA	4.06	2.56	0.16
A_51_P440807	NM_007760	Crat	12908	carnitine acetyltransferase	2.97	2.55	0.89
A_52_P623682	NA	NA	NA	NA	4.41	2.55	0.08
A_51_P483473	NM_011375	St3gal5	20454	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	3.59	2.55	0.32
A_52_P561293	AK034782	9430037G07	320692	RIKEN cDNA 9430037G07 gene	3.07	2.55	0.74
A_52_P359819	NM_198190	Ntf5	78405	neurotrophin 5	3.35	2.55	0.47
A_51_P369252	BC066148	4632434I1	74041	RIKEN cDNA 4632434I11 gene	3.54	2.55	0.34
A_52_P488361	NM_028839	Tmem110	69179	transmembrane protein 110	5.15	2.55	0.00
A_51_P329928	NM_013750	Phlda3	27280	pleckstrin homology-like domain, family A, member 3	3.24	2.55	0.56
A_52_P283087	AK015010	Vti1a	53611	vesicle transport through interaction with t-SNAREs hom	4.82	2.55	0.06
A_52_P578790	NM_013739	Dok3	27261	docking protein 3	6.51	2.54	0.00
A_52_P188261	NM_001025	Camk2d	108058	calcium/calmodulin-dependent protein kinase II, delta	5.37	2.54	0.00

A_51_P383140	NM_009289	Slk	20874	STE20-like kinase (yeast)	3.83	2.54	0.23
A_51_P195935	BC067054	Rprd2	75137	regulation of nuclear pre-mRNA domain containing 2	3.35	2.54	0.46
A_51_P469817	AK163070	A630052E0320726		RIKEN cDNA A630052E07 gene	3.20	2.54	0.60
A_51_P466858	NM_001039	Asxl1	228790	additional sex combs like 1 (Drosophila)	3.70	2.54	0.27
A_52_P626796	XM_001006	NA	NA	NA	3.95	2.54	0.19
A_51_P222936	AK080318	Fmn12	71409	formin-like 2	2.90	2.53	1.02
A_52_P348287	NM_198104	Tcte3	21647	t-complex-associated testis expressed 3	3.30	2.53	0.52
A_51_P453351	NM_172266	Lpgat1	226856	lysophosphatidylglycerol acyltransferase 1	4.03	2.53	0.16
A_51_P425696	NM_029810	Nt5c2	76952	5'-nucleotidase, cytosolic II	5.46	2.53	0.00
A_52_P85875	NM_026998	Snx6	72183	sorting nexin 6	4.38	2.53	0.12
A_51_P484289	NM_178798	Slc7a6	330836	solute carrier family 7 (cationic amino acid transporter, y	3.60	2.53	0.32
A_52_P616392	NM_183426	Sbno2	216161	strawberry notch homolog 2 (Drosophila)	3.07	2.53	0.74
A_52_P465454	AK162362	D10Ertd64:52717		DNA segment, Chr 10, ERATO Doi 641, expressed	3.73	2.53	0.27
A_52_P564544	NM_024406	Fabp4	11770	fatty acid binding protein 4, adipocyte	3.41	2.52	0.43
A_52_P128906	AK006810	Zfp787	67109	zinc finger protein 787	3.97	2.52	0.17
A_52_P384331	NM_030228	Gas2l1	78926	growth arrest-specific 2 like 1	4.22	2.52	0.13
A_51_P448325	NM_027102	Esam	69524	endothelial cell-specific adhesion molecule	3.53	2.51	0.34
A_51_P300277	NM_009898	Coro1a	12721	coronin, actin binding protein 1A	3.75	2.51	0.26
A_51_P194415	NM_023908	Slco3a1	108116	solute carrier organic anion transporter family, member :	3.61	2.51	0.31
A_52_P443705	NM_026531	Aen	68048	apoptosis enhancing nuclease	4.20	2.51	0.13
A_51_P288549	BC016255	Jmjd7	433466	jumonji domain containing 7	4.53	2.51	0.09
A_51_P163261	NA	NA	NA	NA	4.73	2.51	0.06
A_51_P458866	NM_172647	F11r	16456	F11 receptor	3.37	2.51	0.45
A_52_P380418	M32070	Rarg	19411	retinoic acid receptor, gamma	6.04	2.51	0.00
A_51_P462299	NM_181732	Aida	108909	axin interactor, dorsalization associated	3.08	2.50	0.72
A_51_P419246	AK158034	5830416P1381232		RIKEN cDNA 5830416P10 gene	5.26	2.50	0.00
A_51_P228658	NM_023627	lsyna1	71780	myo-inositol 1-phosphate synthase A1	3.19	2.50	0.62
A_52_P603668	NM_025446	Aig1	66253	androgen-induced 1	5.52	2.50	0.00
A_52_P516296	NM_145226	Oas3	246727	2'-5' oligoadenylate synthetase 3	2.95	2.50	0.92
A_52_P16877	NM_172051	Tmcc3	319880	transmembrane and coiled coil domains 3	3.62	2.50	0.31
A_52_P100293	AK005549	493052611:75135		RIKEN cDNA 4930526115 gene	3.66	2.49	0.28
A_51_P396854	NM_019502	Fxc1	14356	fractured callus expressed transcript 1	3.35	2.49	0.47
A_51_P203675	NM_021407	Trem3	58218	triggering receptor expressed on myeloid cells 3	3.67	2.49	0.29
A_51_P138598	NM_028839	Tmem110	69179	transmembrane protein 110	3.79	2.49	0.25

A_51_P456753	NM_009747	Bdkrb2	12062	bradykinin receptor, beta 2	5.04	2.49	0.08
A_52_P638459	BC033508	Ccl5	20304	chemokine (C-C motif) ligand 5	3.54	2.48	0.34
A_51_P494597	AK137465	BC013712	230787	cDNA sequence BC013712	3.12	2.48	0.70
A_51_P381150	NM_199299	Phf15	76901	PHD finger protein 15	3.62	2.48	0.31
A_52_P87395	NA	NA	NA	NA	3.70	2.48	0.27
A_51_P492595	NM_172518	Fbxo42	213499	F-box protein 42	3.29	2.48	0.52
A_52_P507214	NM_013599	Mmp9	17395	matrix metalloproteinase 9	4.05	2.48	0.16
A_52_P228005	AK172246	Ipmk	69718	inositol polyphosphate multikinase	3.82	2.48	0.24
A_51_P444015	NA	NA	NA	NA	3.48	2.47	0.37
A_52_P909274	NM_011173	Pros1	19128	protein S (alpha)	4.39	2.47	0.12
A_52_P231041	NM_178119	Agap1	347722	ArfGAP with GTPase domain, ankyrin repeat and PH dom	3.21	2.47	0.59
A_52_P337899	NM_010220	Fkbp5	14229	FK506 binding protein 5	3.05	2.47	0.76
A_51_P440978	AK047822	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax l	3.53	2.46	0.34
A_52_P932984	NA	NA	NA	NA	4.05	2.46	0.16
A_51_P381157	NM_027420	2610034B1	70420	RIKEN cDNA 2610034B18 gene	5.54	2.46	0.00
A_51_P213641	NM_001035	Ap2b1	71770	adaptor-related protein complex 2, beta 1 subunit	4.69	2.46	0.05
A_51_P405956	NA	NA	NA	NA	3.49	2.46	0.38
A_52_P490272	NM_022979	Nup98	269966	nucleoporin 98	3.76	2.46	0.25
A_52_P24593	NM_029492	Zdhhc20	75965	zinc finger, DHHC domain containing 20	3.65	2.45	0.30
A_51_P192800	NM_008175	Grn	14824	granulin	5.44	2.45	0.00
A_51_P225276	NM_024181	Dnajc10	66861	Dnaj (Hsp40) homolog, subfamily C, member 10	3.39	2.45	0.44
A_51_P297346	NM_029153	Scamp1	107767	secretory carrier membrane protein 1	3.68	2.45	0.29
A_51_P512364	NM_139149	Fus	233908	fusion, derived from t(12;16) malignant liposarcoma (hur	3.44	2.45	0.40
A_51_P476660	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax l	4.61	2.45	0.05
A_51_P407351	NM_013825	Ly75	17076	lymphocyte antigen 75	3.83	2.44	0.23
A_52_P41175	CF540686	Med13l	76199	mediator complex subunit 13-like	3.20	2.44	0.60
A_51_P231597	NM_172987	Nkain3	269513	Na ⁺ /K ⁺ transporting ATPase interacting 3	3.89	2.44	0.21
A_51_P304437	NM_173019	Pfkfb4	270198	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4	3.73	2.43	0.26
A_52_P467718	NM_029505	Ap3m2	64933	adaptor-related protein complex 3, mu 2 subunit	4.44	2.43	0.08
A_52_P435154	NM_172648	Ifi205	226695	interferon activated gene 205	3.14	2.43	0.67
A_52_P479269	NM_011519	Sdc1	20969	syndecan 1	3.09	2.43	0.71
A_52_P489385	XM_885832	NA	NA	NA	4.30	2.43	0.11
A_52_P301312	AK084007	D130076A03	320592	RIKEN cDNA D130076A03 gene	3.43	2.43	0.40
A_51_P124315	NM_177649	NA	NA	NA	2.89	2.43	1.02

A_52_P311148	AK012141	2410002O2	66975	RIKEN cDNA 2410002O22 gene	3.64	2.43	0.31
A_51_P479808	NM_027418	Mapk6	50772	mitogen-activated protein kinase 6	3.01	2.42	0.82
A_51_P511315	NM_011193	Pstpip1	19200	proline-serine-threonine phosphatase-interacting protein	5.59	2.42	0.00
A_51_P459340	NM_025755	Pacrgl	66768	PARK2 co-regulated-like	4.99	2.42	0.08
A_52_P227746	XR_003516	NA	NA	NA	4.64	2.42	0.05
A_52_P492176	NM_022023	Gmfb	63985	glia maturation factor, beta	4.19	2.42	0.12
A_52_P88910	AK019498	NA	NA	NA	3.55	2.42	0.34
A_51_P115829	NM_025548	Tbcb	66411	tubulin folding cofactor B	6.25	2.42	0.00
A_52_P683306	NM_146084	Fam13b	225358	family with sequence similarity 13, member B	3.11	2.42	0.70
A_51_P268934	NM_153142	Slc35e4	103710	solute carrier family 35, member E4	4.86	2.42	0.06
A_52_P536731	NM_001004	Asap2	211914	ArfGAP with SH3 domain, ankyrin repeat and PH domain	2.97	2.42	0.89
A_51_P333071	NM_025514	D10Ertd64	52717	DNA segment, Chr 10, ERATO Doi 641, expressed	3.28	2.41	0.53
A_52_P623337	NM_010880	Ncl	17975	nucleolin	3.01	2.41	0.81
A_51_P511102	NM_030249	Cttnbp2nl	80281	CTTNBP2 N-terminal like	3.77	2.41	0.25
A_52_P502828	NM_001008	Pde2a	207728	phosphodiesterase 2A, cGMP-stimulated	3.37	2.41	0.45
A_51_P281134	AB019028	Med14	26896	mediator complex subunit 14	3.99	2.41	0.18
A_52_P527917	NM_028247	Slc16a10	72472	solute carrier family 16 (monocarboxylic acid transporter	3.12	2.41	0.70
A_51_P311611	NM_010045	Darc	13349	Duffy blood group, chemokine receptor	2.92	2.41	0.98
A_51_P167857	NM_145221	App1	72993	adaptor protein, phosphotyrosine interaction, PH domain	4.96	2.41	0.07
A_52_P133594	NM_009778	C3	12266	complement component 3	4.99	2.41	0.08
A_51_P431433	NM_031997	Tmem2	83921	transmembrane protein 2	3.27	2.41	0.53
A_51_P262208	NM_008404	Itgb2	16414	integrin beta 2	3.81	2.41	0.24
A_52_P473172	NA	NA	NA	NA	4.71	2.40	0.06
A_52_P120958	NM_011135	Cnot7	18983	CCR4-NOT transcription complex, subunit 7	3.23	2.40	0.58
A_52_P592466	NM_023275	Rhoj	80837	ras homolog gene family, member J	3.77	2.39	0.25
A_51_P469449	NM_001040	Ung	22256	uracil DNA glycosylase	3.26	2.39	0.53
A_52_P496142	NM_009932	Col4a2	12827	collagen, type IV, alpha 2	4.39	2.39	0.12
A_51_P475948	AK048129	Elmo3	234683	engulfment and cell motility 3, ced-12 homolog (C. elegans)	4.08	2.38	0.16
A_51_P187842	NM_025829	Eif4e3	66892	eukaryotic translation initiation factor 4E member 3	3.20	2.38	0.60
A_52_P601383	NM_011090	Lilra6	18726	leukocyte immunoglobulin-like receptor, subfamily A (with	3.44	2.38	0.40
A_52_P39533	NM_178729	Fbxl5	242960	F-box and leucine-rich repeat protein 5	3.38	2.38	0.45
A_51_P322465	NM_178601	Imp4	27993	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast)	5.05	2.38	0.08
A_52_P557923	NM_015797	Fbxo6	50762	F-box protein 6	5.15	2.38	0.00
A_51_P249259	BC071254	NA	NA	NA	3.56	2.38	0.35

A_52_P251233	XM_920748	NA	NA	NA	3.02	2.37	0.81
A_52_P118638	NM_177103	Senp5	320213	SUMO/sentrin specific peptidase 5	3.51	2.37	0.36
A_52_P638439	NM_001037	NA	NA	NA	4.54	2.37	0.09
A_52_P548913	NM_009817	Cast	12380	calpastatin	4.54	2.37	0.09
A_51_P325223	NM_011698	Lin7b	22342	lin-7 homolog B (C. elegans)	6.43	2.36	0.00
A_51_P482633	NM_019924	Rps6ka4	56613	ribosomal protein S6 kinase, polypeptide 4	5.11	2.36	0.00
A_52_P225377	AK014446	Pvr	52118	poliovirus receptor	7.02	2.36	0.00
A_51_P488383	XM_001005	NA	NA	NA	3.84	2.36	0.23
A_52_P43549	NM_007646	Cd38	12494	CD38 antigen	4.00	2.36	0.18
A_51_P136233	NM_021284	Kras	16653	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	4.29	2.36	0.10
A_51_P281013	BC033455	0610007L0	71667	RIKEN cDNA 0610007L01 gene	5.53	2.36	0.00
A_51_P297105	NM_011671	Ucp2	22228	uncoupling protein 2 (mitochondrial, proton carrier)	4.24	2.36	0.13
A_52_P572808	NM_172715	Agpat9	231510	1-acylglycerol-3-phosphate O-acyltransferase 9	5.04	2.36	0.08
A_52_P320032	NM_139149	Fus	233908	fusion, derived from t(12;16) malignant liposarcoma (hur	3.93	2.36	0.19
A_51_P446022	AK052528	D430042O	233865	RIKEN cDNA D430042O09 gene	3.90	2.36	0.21
A_51_P225761	AK031537	Zcchc6	214290	zinc finger, CCHC domain containing 6	3.26	2.35	0.53
A_51_P496804	NM_025748	Adat2	66757	adenosine deaminase, tRNA-specific 2, TAD2 homolog (S.	3.78	2.35	0.25
A_51_P313157	XM_979233	NA	NA	NA	5.84	2.35	0.00
A_52_P134228	NM_028185	Lsm11	72290	U7 snRNP-specific Sm-like protein LSM11	4.71	2.35	0.06
A_52_P15536	NM_133349	Zfand2a	100494	zinc finger, AN1-type domain 2A	4.69	2.35	0.05
A_51_P516861	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	3.72	2.35	0.27
A_51_P210395	NM_053108	Glrx	93692	glutaredoxin	3.01	2.35	0.82
A_52_P670970	AK122466	Usp31	76179	ubiquitin specific peptidase 31	3.65	2.35	0.30
A_52_P299746	NM_133781	Cab39	12283	calcium binding protein 39	3.51	2.35	0.36
A_51_P405476	NM_010185	Fcer1g	14127	Fc receptor, IgE, high affinity I, gamma polypeptide	3.31	2.35	0.50
A_52_P87964	NM_183423	Pla2g12a	66350	phospholipase A2, group X1IA	3.96	2.34	0.17
A_52_P423424	NM_015774	Ero1l	50527	ERO1-like (S. cerevisiae)	5.10	2.34	0.00
A_52_P343641	NM_009172	Siah1a	20437	seven in absentia 1A	3.36	2.34	0.46
A_52_P111031	NM_001013	Pcdh17	219228	protocadherin 17	3.90	2.34	0.21
A_51_P259214	NM_139143	Slc39a6	106957	solute carrier family 39 (metal ion transporter), member	3.43	2.34	0.40
A_52_P329851	NM_028836	Ctbs	74245	chitinase, di-N-acetyl-	4.89	2.34	0.07
A_52_P662025	NM_144834	Serpina10	217847	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 i	3.19	2.34	0.60
A_52_P601980	NM_152895	Kdm5b	75605	lysine (K)-specific demethylase 5B	3.10	2.34	0.70
A_51_P265406	NM_053194	Ric8	101489	resistance to inhibitors of cholinesterase 8 homolog (C. e	4.60	2.34	0.10

A_52_P625461	AK088316	Ipo11	76582	importin 11	4.39	2.34	0.12
A_52_P229770	XM_133543	Akap13	75547	A kinase (PRKA) anchor protein 13	3.20	2.34	0.60
A_52_P641922	NM_172501	Nhlrc3	212114	NHL repeat containing 3	5.27	2.34	0.00
A_52_P309012	AK033502	Chmp4c	66371	chromatin modifying protein 4C	3.26	2.34	0.53
A_52_P583777	NA	NA	NA	NA	3.87	2.34	0.22
A_52_P588096	NM_175515	Intu	380614	inturned planar cell polarity effector homolog (Drosophil	4.02	2.33	0.18
A_51_P264835	NM_010148	Epn2	13855	epsin 2	4.46	2.33	0.08
A_51_P186161	NM_001033	Rnf149	67702	ring finger protein 149	3.82	2.33	0.24
A_51_P272563	NM_172722	Naa25	231713	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	2.99	2.33	0.85
A_51_P382369	NM_175751	Zfp608	269023	zinc finger protein 608	3.10	2.33	0.70
A_52_P167278	NM_172308	Mthfd1l	270685	methylenetetrahydrofolate dehydrogenase (NADP+ depe	3.24	2.33	0.56
A_52_P99622	NM_145630	Pdk3	236900	pyruvate dehydrogenase kinase, isoenzyme 3	6.12	2.32	0.00
A_52_P193440	XM_976118	NA	NA	NA	3.33	2.32	0.49
A_52_P532880	NA	NA	NA	NA	7.24	2.32	0.00
A_52_P23413	NM_172911	D8Ertd82e	244418	DNA segment, Chr 8, ERATO Doi 82, expressed	3.42	2.32	0.40
A_51_P258435	NM_026917	Zdhhc3	69035	zinc finger, DHHC domain containing 3	3.25	2.32	0.55
A_52_P350687	NM_177545	Vangl1	229658	vang-like 1 (van gogh, Drosophila)	7.57	2.32	0.00
A_51_P225592	NM_001001	Tpm4	326618	tropomyosin 4	3.81	2.32	0.24
A_51_P411296	NM_016714	Nup50	18141	nucleoporin 50	3.34	2.32	0.48
A_52_P467449	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	4.61	2.32	0.05
A_52_P624447	NM_009388	Tkt	21881	transketolase	3.27	2.32	0.53
A_52_P485417	NM_008252	Hmgb2	97165	high mobility group box 2	4.73	2.32	0.06
A_51_P310254	NM_133750	Fam118a	73225	family with sequence similarity 118, member A	3.90	2.31	0.21
A_52_P112017	NM_009775	Tspo	12257	translocator protein	5.31	2.31	0.00
A_52_P593200	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (S. cerevisiae)	3.49	2.31	0.38
A_51_P227929	NM_199032	Cep135	381644	centrosomal protein 135	3.66	2.31	0.29
A_51_P146753	NM_007781	Csf2rb2	12984	colony stimulating factor 2 receptor, beta 2, low-affinity (	4.24	2.30	0.13
A_52_P149590	NM_144848	Eppk1	223650	epiplakin 1	3.67	2.30	0.29
A_51_P163834	NM_019717	Atl2	56298	atlastin GTPase 2	5.66	2.30	0.00
A_51_P521084	NM_025626	Fam107b	66540	family with sequence similarity 107, member B	3.26	2.30	0.53
A_51_P490997	M89786	Gas2l1	78926	growth arrest-specific 2 like 1	3.44	2.30	0.40
A_52_P649296	NM_010937	Nras	18176	neuroblastoma ras oncogene	6.15	2.30	0.00
A_52_P506407	NM_011089	Pira2	18725	paired-Ig-like receptor A2	4.10	2.30	0.17
A_52_P498846	AK009963	NA	NA	NA	3.89	2.29	0.21

A_51_P377826	AF224494	Zfand2a	100494	zinc finger, AN1-type domain 2A	3.90	2.29	0.21
A_52_P467389	NM_023044	Slc15a3	65221	solute carrier family 15, member 3	3.04	2.29	0.79
A_52_P76034	NM_173867	Rcc2	108911	regulator of chromosome condensation 2	3.56	2.29	0.35
A_51_P277270	NM_011252	Rbmx	19655	RNA binding motif protein, X chromosome	2.94	2.29	0.93
A_51_P186531	NM_025289	Tbreg1	21376	transforming growth factor beta regulated gene 1	2.90	2.29	0.99
A_52_P84315	BC034239	Chd7	320790	chromodomain helicase DNA binding protein 7	3.33	2.29	0.49
A_52_P174525	BC043337	Epb4.1	269587	erythrocyte protein band 4.1	3.16	2.29	0.65
A_52_P513177	NM_001029	Sla	20491	src-like adaptor	3.68	2.29	0.29
A_52_P415116	NM_021406	Trem1	58217	triggering receptor expressed on myeloid cells 1	3.99	2.29	0.18
A_52_P660142	XM_484715	Sft2d3	67158	SFT2 domain containing 3	3.51	2.29	0.36
A_52_P302977	NM_001015	Taf9	108143	TAF9 RNA polymerase II, TATA box binding protein (TBP)-	4.00	2.29	0.18
A_52_P27225	NM_201389	Plec	18810	plectin	3.30	2.28	0.52
A_52_P440508	AK041801	NA	NA	NA	3.74	2.28	0.26
A_51_P137018	XM_001002	NA	NA	NA	3.61	2.28	0.31
A_52_P481493	NM_010220	Fkbp5	14229	FK506 binding protein 5	3.15	2.28	0.65
A_51_P408116	AK081783	Il1f9	215257	interleukin 1 family, member 9	2.92	2.28	0.96
A_52_P268250	NM_146012	Ctdsp2	52468	CTD (carboxy-terminal domain, RNA polymerase II, polyp	3.50	2.28	0.36
A_52_P37947	NM_176976	5830418K0319675	319675	RIKEN cDNA 5830418K08 gene	3.57	2.28	0.33
A_52_P686344	NM_001014	Ttll4	67534	tubulin tyrosine ligase-like family, member 4	3.04	2.28	0.78
A_52_P302304	NM_023268	Qsox1	104009	quiescin Q6 sulfhydryl oxidase 1	6.30	2.28	0.00
A_52_P373973	NM_001039	Mex3c	240396	mex3 homolog C (C. elegans)	3.11	2.27	0.70
A_51_P270939	NM_019650	Gosr2	56494	golgi SNAP receptor complex member 2	5.52	2.27	0.00
A_51_P357341	NM_033444	Clc1	114584	chloride intracellular channel 1	3.65	2.27	0.30
A_52_P317730	NA	NA	NA	NA	4.14	2.27	0.14
A_51_P131335	NM_153568	Lrrc66	231296	leucine rich repeat containing 66	3.39	2.27	0.44
A_51_P186476	NM_013612	Slc11a1	18173	solute carrier family 11 (proton-coupled divalent metal ic	3.36	2.27	0.46
A_51_P297858	NM_172840	Vwa2	240675	von Willebrand factor A domain containing 2	3.10	2.27	0.70
A_51_P406315	NM_009962	Gpr44	14764	G protein-coupled receptor 44	4.15	2.27	0.15
A_51_P417313	NM_001015	Taf9	108143	TAF9 RNA polymerase II, TATA box binding protein (TBP)-	3.50	2.27	0.36
A_51_P180001	BC096465	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	3.13	2.26	0.68
A_51_P198045	AK012286	Rab28	100972	RAB28, member RAS oncogene family	3.15	2.26	0.65
A_51_P378415	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	3.06	2.26	0.76
A_52_P370473	BC043039	Msl1	74026	male-specific lethal 1 homolog (Drosophila)	3.26	2.26	0.53
A_52_P451929	NM_011090	Lilra6	18726	leukocyte immunoglobulin-like receptor, subfamily A (wit	3.88	2.26	0.21

A_52_P31814	CB575847	1110038B168763	RIKEN cDNA 1110038B12 gene	3.23	2.26	0.58
A_51_P510817	NM_001025	Camk2d 108058	calcium/calmodulin-dependent protein kinase II, delta	5.15	2.26	0.00
A_52_P90337	NM_010794	Mgat1 17308	mannoside acetylglucosaminyltransferase 1	5.19	2.25	0.00
A_51_P229816	NM_145445	Eif2b2 217715	eukaryotic translation initiation factor 2B, subunit 2 beta	4.69	2.25	0.05
A_51_P103261	NM_009198	Slc17a1 20504	solute carrier family 17 (sodium phosphate), member 1	4.00	2.25	0.18
A_51_P408732	NM_016966	Phgdh 236539	3-phosphoglycerate dehydrogenase	3.28	2.25	0.52
A_51_P415688	NM_025278	Gng12 14701	guanine nucleotide binding protein (G protein), gamma 1	3.44	2.25	0.40
A_51_P262878	NM_026211	Tmed9 67511	transmembrane emp24 protein transport domain containi	4.32	2.25	0.11
A_51_P337935	AK008024	Slc7a15 328059	solute carrier family 7 (cationic amino acid transporter, y	3.21	2.25	0.59
A_52_P324825	NM_175414	Tspan9 109246	tetraspanin 9	3.68	2.25	0.29
A_52_P81101	NM_027184	Ipmk 69718	inositol polyphosphate multikinase	3.74	2.25	0.26
A_52_P460037	NM_020575	7-Mar 57438	membrane-associated ring finger (C3HC4) 7	3.23	2.24	0.58
A_52_P525519	AK142182	Pkn3 263803	protein kinase N3	5.36	2.24	0.00
A_51_P479833	XR_002151	NA NA	NA	2.90	2.24	1.02
A_51_P501730	NM_030209	Crispld2 78892	cysteine-rich secretory protein LCCL domain containing 2	3.14	2.24	0.67
A_52_P578538	NM_001039	NA NA	NA	3.57	2.24	0.33
A_52_P259214	L78075	Cdc42 12540	cell division cycle 42 homolog (<i>S. cerevisiae</i>)	3.02	2.24	0.79
A_51_P441983	NM_008396	Itga2 16398	integrin alpha 2	3.35	2.24	0.46
A_52_P338530	NM_029492	Zdhhc20 75965	zinc finger, DHHC domain containing 20	3.22	2.24	0.58
A_51_P507787	NM_013789	Sergef 27414	secretion regulating guanine nucleotide exchange factor	6.02	2.24	0.00
A_51_P221014	NM_010581	Cd47 16423	CD47 antigen (Rh-related antigen, integrin-associated sig	3.92	2.24	0.19
A_51_P346634	BC025879	Armcx4 102910	armadillo repeat containing, X-linked 4	3.00	2.24	0.85
A_52_P533146	NM_007837	Ddit3 13198	DNA-damage inducible transcript 3	3.06	2.24	0.75
A_51_P156348	NM_010771	Matr3 17184	matrin 3	3.50	2.24	0.36
A_52_P573366	NM_178089	Hnrnpul1 232989	heterogeneous nuclear ribonucleoprotein U-like 1	4.65	2.24	0.05
A_51_P179864	NM_016979	Prkx 19108	protein kinase, X-linked	4.16	2.24	0.15
A_52_P249826	NM_020259	Hhip 15245	Hedgehog-interacting protein	4.19	2.24	0.13
A_51_P222657	NM_009775	Tspo 12257	translocator protein	4.71	2.24	0.06
A_51_P163378	NA	NA NA	NA	3.51	2.23	0.36
A_51_P310135	NM_011544	Tcf12 21406	transcription factor 12	3.56	2.23	0.33
A_52_P967353	NM_001037	Fam117b 72750	family with sequence similarity 117, member B	3.28	2.23	0.53
A_51_P496400	NM_138675	Med9 192191	mediator of RNA polymerase II transcription, subunit 9 h	6.31	2.23	0.00
A_51_P216315	NM_027404	Bag5 70369	BCL2-associated athanogene 5	3.14	2.23	0.66
A_52_P243553	NM_007905	Phc1 13619	polyhomeotic-like 1 (<i>Drosophila</i>)	5.93	2.23	0.00

A_51_P277263	AK083899	Rbmx	19655	RNA binding motif protein, X chromosome	4.01	2.23	0.18
A_51_P428364	NM_011968	Psma6	26443	proteasome (prosome, macropain) subunit, alpha type 6	4.08	2.23	0.16
A_51_P103007	NM_008401	Itgam	16409	integrin alpha M	6.03	2.23	0.00
A_52_P183071	BC023104	Rnf146	68031	ring finger protein 146	3.45	2.23	0.40
A_51_P139780	NM_009402	Pglyrp1	21946	peptidoglycan recognition protein 1	2.99	2.22	0.85
A_52_P354581	AK129354	Smpd4	77626	sphingomyelin phosphodiesterase 4	5.13	2.22	0.00
A_51_P330125	NM_029688	Srxn1	76650	sulfiredoxin 1 homolog (S. cerevisiae)	3.54	2.22	0.34
A_52_P21971	NM_008678	Ncoa2	17978	nuclear receptor coactivator 2	3.21	2.22	0.59
A_51_P122769	NM_010914	Nfyb	18045	nuclear transcription factor-Y beta	4.33	2.22	0.11
A_51_P224593	NM_026823	Arl8a	68724	ADP-ribosylation factor-like 8A	4.42	2.21	0.08
A_52_P684830	NM_009318	Tapbp	21356	TAP binding protein	3.61	2.21	0.31
A_52_P130642	NM_028665	Ankrd42	73845	ankyrin repeat domain 42	3.26	2.21	0.53
A_51_P337246	NM_023130	Raly	19383	hnRNP-associated with lethal yellow	2.98	2.21	0.87
A_52_P370476	BC043039	Msl1	74026	male-specific lethal 1 homolog (Drosophila)	3.90	2.21	0.21
A_51_P103533	XM_132499	NA	NA	NA	3.33	2.21	0.49
A_52_P450183	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	4.49	2.21	0.09
A_51_P348022	NM_026623	Nudt21	68219	nudix (nucleoside diphosphate linked moiety X)-type mol	3.85	2.21	0.22
A_52_P577853	NM_177239	Mysm1	320713	myb-like, SWIRM and MPN domains 1	3.61	2.21	0.31
A_51_P108891	NM_013745	Nufip1	27275	nuclear fragile X mental retardation protein interacting p	3.30	2.21	0.52
A_52_P681739	NM_178760	Gpr107	277463	G protein-coupled receptor 107	4.42	2.20	0.08
A_51_P332075	NM_146054	Fermt2	218952	fermitin family homolog 2 (Drosophila)	6.29	2.20	0.00
A_52_P311022	NM_010279	Gfra1	14585	glial cell line derived neurotrophic factor family receptor	3.36	2.20	0.46
A_52_P274352	BC053027	Mapk8	26419	mitogen-activated protein kinase 8	4.67	2.20	0.05
A_51_P193894	NM_027375	Gcc2	70297	GRIP and coiled-coil domain containing 2	5.03	2.20	0.08
A_51_P146149	NM_008437	Napsa	16541	napsin A aspartic peptidase	3.98	2.20	0.17
A_52_P498231	NM_011349	Sema3f	20350	sema domain, immunoglobulin domain (Ig), short basic d	3.72	2.20	0.27
A_51_P441426	NM_019932	Pf4	56744	platelet factor 4	3.11	2.20	0.70
A_51_P282424	NM_025456	Eapp	66266	E2F-associated phosphoprotein	3.61	2.20	0.31
A_51_P338040	NM_146168	Vopp1	232023	vesicular, overexpressed in cancer, prosurvival protein 1	3.34	2.20	0.47
A_51_P345975	NM_022883	Lpin3	64899	lipin 3	4.15	2.19	0.15
A_51_P488340	NM_016715	Crlf2	57914	cytokine receptor-like factor 2	5.03	2.19	0.08
A_51_P136460	NM_025594	Zmat2	66492	zinc finger, matrin type 2	4.58	2.19	0.09
A_52_P548463	NM_133365	Dnahc5	110082	dynein, axonemal, heavy chain 5	2.95	2.19	0.92
A_51_P315682	NM_183029	Igf2bp2	319765	insulin-like growth factor 2 mRNA binding protein 2	3.29	2.19	0.52

A_51_P236234	NM_011346	Sell	20343	selectin, lymphocyte	2.96	2.19	0.91
A_52_P152133	NM_023124	H2-Q8	15019	histocompatibility 2, Q region locus 8	4.23	2.19	0.13
A_52_P483799	NM_001033	NA	NA	NA	3.08	2.19	0.72
A_52_P6070	NM_027627	4931408AC	70967	RIKEN cDNA 4931408A02 gene	4.42	2.18	0.08
A_52_P46039	BC075692	Kctd18	51960	potassium channel tetramerisation domain containing 18	3.64	2.18	0.31
A_51_P325152	NM_177374	Trmt61a	328162	tRNA methyltransferase 61 homolog A (<i>S. cerevisiae</i>)	4.16	2.18	0.15
A_51_P207550	NM_023196	Pla2g12a	66350	phospholipase A2, group X1IA	4.15	2.18	0.15
A_51_P317618	NM_025795	Ncaph2	52683	non-SMC condensin II complex, subunit H2	3.26	2.17	0.53
A_52_P533287	NM_013637	Prm1	19118	protamine 1	3.63	2.17	0.31
A_52_P83888	AK053567	Cflar	12633	CASP8 and FADD-like apoptosis regulator	3.72	2.17	0.27
A_52_P17228	NM_177093	Lrrc58	320184	leucine rich repeat containing 58	5.99	2.17	0.00
A_52_P492411	NM_009256	Serpinb9	20723	serine (or cysteine) peptidase inhibitor, clade B, member	3.43	2.17	0.40
A_51_P433960	NM_011890	Sgcb	24051	sarcoglycan, beta (dystrophin-associated glycoprotein)	5.19	2.17	0.00
A_52_P385809	NM_145493	Cplx4	225644	complexin 4	4.12	2.16	0.14
A_51_P152845	NM_145076	Trim24	21848	tripartite motif-containing 24	3.59	2.16	0.32
A_52_P322141	BC038890	Ccdc88b	78317	coiled-coil domain containing 88B	4.05	2.16	0.16
A_52_P450045	NM_011276	Rlim	19820	ring finger protein, LIM domain interacting	2.94	2.16	0.93
A_52_P281543	NM_175507	Tmem20	240660	transmembrane protein 20	2.99	2.16	0.85
A_51_P515585	NM_026017	Dullard	67181	Dullard homolog (<i>Xenopus laevis</i>)	3.24	2.16	0.56
A_52_P496628	NM_175381	2700081O1	108899	RIKEN cDNA 2700081O15 gene	4.09	2.16	0.16
A_51_P453010	NM_026758	Mphosph6	68533	M phase phosphoprotein 6	3.77	2.16	0.25
A_51_P165041	AF049125	Rcn2	26611	reticulocalbin 2	4.49	2.16	0.09
A_51_P487941	NM_183286	Dhrs13	70451	dehydrogenase/reductase (SDR family) member 13	4.18	2.15	0.12
A_51_P513244	XM_150216	493042210	71640	RIKEN cDNA 4930422107 gene	3.26	2.15	0.53
A_51_P518621	NM_013550	Hist1h3a	360198	histone cluster 1, H3a	3.65	2.15	0.30
A_52_P337740	AK030611	NA	NA	NA	3.47	2.15	0.39
A_52_P37522	NM_175266	Epm2aip1	77781	EPM2A (laforin) interacting protein 1	4.45	2.15	0.08
A_52_P272534	NA	NA	NA	NA	3.44	2.15	0.40
A_52_P158800	NM_010207	Fgfr2	14183	fibroblast growth factor receptor 2	2.96	2.15	0.91
A_52_P309337	NM_019648	Metap2	56307	methionine aminopeptidase 2	3.55	2.15	0.34
A_52_P83233	NM_011728	Xpa	22590	xeroderma pigmentosum, complementation group A	3.89	2.14	0.21
A_52_P660100	NM_025778	Bcl2l14	66813	BCL2-like 14 (apoptosis facilitator)	2.93	2.14	0.96
A_52_P442370	NM_022328	Mllt1	64144	myeloid/lymphoid or mixed-lineage leukemia (trithorax l	4.10	2.14	0.14
A_51_P516860	AK122234	Rapgef5	217944	Rap guanine nucleotide exchange factor (GEF) 5	4.03	2.14	0.16

A_51_P288162	NM_197982	Ddx39	68278	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	3.50	2.14	0.36
A_52_P196138	BC038386	Cep110	26920	centrosomal protein 110	4.33	2.14	0.11
A_52_P673152	NM_178729	Fbxl5	242960	F-box and leucine-rich repeat protein 5	3.11	2.14	0.70
A_51_P473252	NM_011777	Zyx	22793	zyxin	3.63	2.14	0.31
A_52_P635182	NM_009101	Rras	20130	Harvey rat sarcoma oncogene, subgroup R	5.71	2.14	0.00
A_51_P446510	NM_010129	Emp3	13732	epithelial membrane protein 3	4.27	2.14	0.10
A_51_P179688	NM_026327	1810048J1	67708	RIKEN cDNA 1810048J11 gene	4.07	2.14	0.16
A_51_P434697	NM_144839	Ube2e2	218793	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, y	3.87	2.14	0.22
A_52_P449417	BC024687	Vangl1	229658	vang-like 1 (van gogh, Drosophila)	5.14	2.14	0.00
A_51_P331212	AK034732	Prmt6	99890	protein arginine N-methyltransferase 6	4.26	2.14	0.10
A_52_P74883	BC082311	Myo16	244281	myosin XVI	3.96	2.14	0.17
A_51_P101196	NM_011189	Psme1	19186	proteasome (prosome, macropain) 28 subunit, alpha	4.14	2.14	0.15
A_52_P581440	NM_153423	Wasf2	242687	WAS protein family, member 2	4.64	2.13	0.05
A_52_P287338	NM_025829	Eif4e3	66892	eukaryotic translation initiation factor 4E member 3	3.66	2.13	0.28
A_51_P306731	NM_172715	Agpat9	231510	1-acylglycerol-3-phosphate O-acyltransferase 9	4.57	2.13	0.09
A_52_P378257	XM_283937	NA	NA	NA	4.19	2.13	0.13
A_51_P126835	NM_001025	2700007P2	212772	RIKEN cDNA 2700007P21 gene	3.24	2.13	0.56
A_51_P319805	NM_203492	Mrgprg	381974	MAS-related GPR, member G	3.29	2.13	0.52
A_52_P505413	NM_023663	Ripk4	72388	receptor-interacting serine-threonine kinase 4	3.16	2.13	0.65
A_52_P596929	NM_028291	Pan3	72587	PAN3 polyA specific ribonuclease subunit homolog (S. cei	3.57	2.13	0.33
A_52_P150988	NM_029582	Txndc11	106200	thioredoxin domain containing 11	3.90	2.13	0.21
A_51_P109508	NM_134250	Havcr2	171285	hepatitis A virus cellular receptor 2	3.75	2.13	0.26
A_52_P415750	NM_021439	Chst11	58250	carbohydrate sulfotransferase 11	2.91	2.13	0.99
A_52_P433643	NM_170599	Igsf11	207683	immunoglobulin superfamily, member 11	4.86	2.13	0.07
A_52_P238873	BC098509	3110003A1	73112	RIKEN cDNA 3110003A17 gene	6.59	2.12	0.00
A_52_P233441	NM_008090	Gata2	14461	GATA binding protein 2	3.71	2.12	0.28
A_51_P389531	NM_019830	Prmt1	15469	protein arginine N-methyltransferase 1	3.49	2.12	0.38
A_52_P448648	NM_021411	Rab37	58222	RAB37, member of RAS oncogene family	3.32	2.12	0.49
A_52_P497534	NM_145940	Wipi1	52639	WD repeat domain, phosphoinositide interacting 1	3.69	2.12	0.29
A_51_P504672	NM_133665	Mef2d	17261	myocyte enhancer factor 2D	3.12	2.12	0.68
A_51_P468762	NM_198027	Alkbh6	233065	alkB, alkylation repair homolog 6 (E. coli)	4.29	2.12	0.10
A_52_P522210	NM_183428	Epb4.1	269587	erythrocyte protein band 4.1	4.51	2.12	0.09
A_51_P249009	NM_030714	Dtx3	80904	deltex 3 homolog (Drosophila)	4.41	2.11	0.08
A_52_P14666	XM_888940	Hnrnpa1l2	544954	heterogeneous nuclear ribonucleoprotein A1-like 2	3.11	2.11	0.70

A_51_P142989	XM_920647	NA	NA	NA	3.58	2.11	0.33
A_51_P157112	NM_008458	Serpina3c	16625	serine (or cysteine) peptidase inhibitor, clade A, member	2.99	2.10	0.85
A_51_P464478	NM_001008	Il4ra	16190	interleukin 4 receptor, alpha	4.19	2.10	0.12
A_51_P433870	NM_009506	Vegfc	22341	vascular endothelial growth factor C	5.14	2.10	0.00
A_51_P487384	NM_029564	Tax1bp3	76281	Tax1 (human T-cell leukemia virus type I) binding protein	5.73	2.10	0.00
A_52_P418494	NM_028447	Prrc1	73137	proline-rich coiled-coil 1	3.03	2.10	0.79
A_51_P515173	NM_172941	Zkscan17	268417	zinc finger with KRAB and SCAN domains 17	3.84	2.09	0.22
A_52_P106739	NM_145975	Ddx46	212880	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	3.39	2.09	0.44
A_51_P415247	NA	NA	NA	NA	3.79	2.09	0.23
A_52_P189897	NM_001039	Gtf2a2	235459	general transcription factor II A, 2	4.22	2.09	0.13
A_52_P292965	AK040733	9330159M1	319673	RIKEN cDNA 9330159M07 gene	4.06	2.09	0.16
A_52_P101221	NM_153178	Eif2c2	239528	eukaryotic translation initiation factor 2C, 2	2.91	2.09	0.99
A_52_P448936	AK078894	Ppp2r5e	26932	protein phosphatase 2, regulatory subunit B (B56), epsilon	3.53	2.09	0.34
A_51_P242400	NM_031170	Krt8	16691	keratin 8	2.97	2.09	0.89
A_52_P537590	XM_129214	Pcsk5	18552	proprotein convertase subtilisin/kexin type 5	5.35	2.09	0.00
A_51_P328760	NM_027470	Pak4	70584	p21 protein (Cdc42/Rac)-activated kinase 4	3.96	2.09	0.17
A_51_P177744	NM_028864	Zc3hav1	78781	zinc finger CCCH type, antiviral 1	2.90	2.09	0.99
A_51_P179492	NM_026558	Fam92a	68099	family with sequence similarity 92, member A	4.60	2.09	0.10
A_51_P437050	AK043598	Heg1	77446	HEG homolog 1 (zebrafish)	4.05	2.08	0.16
A_52_P246831	NM_025475	Haus2	66296	HAUS augmin-like complex, subunit 2	2.93	2.08	0.95
A_52_P414750	XM_133543	Akap13	75547	A kinase (PRKA) anchor protein 13	4.28	2.08	0.10
A_51_P290231	NM_010480	Hsp90aa1	15519	heat shock protein 90, alpha (cytosolic), class A member	4.37	2.08	0.11
A_51_P253547	NM_009984	Ctsl	13039	cathepsin L	4.31	2.08	0.11
A_52_P957260	NA	NA	NA	NA	3.80	2.07	0.24
A_51_P519950	AK033374	Rsbn1l	242860	round spermatid basic protein 1-like	3.08	2.07	0.71
A_51_P219789	NM_010392	H2-Q2	15013	histocompatibility 2, Q region locus 2	6.36	2.07	0.00
A_51_P294288	NM_146002	Rhbdd2	215160	rhombooid domain containing 2	3.63	2.07	0.31
A_52_P677822	NM_153059	Tmem5	216395	transmembrane protein 5	4.19	2.07	0.12
A_52_P327381	NM_022424	Fndc4	64339	fibronectin type III domain containing 4	3.35	2.07	0.46
A_51_P503953	NM_027993	2310028H2	71901	RIKEN cDNA 2310028H24 gene	7.55	2.07	0.00
A_51_P161037	AK172953	Cep170	545389	centrosomal protein 170	3.03	2.07	0.79
A_52_P351694	NM_199299	Phf15	76901	PHD finger protein 15	5.10	2.07	0.00
A_51_P114941	NM_007819	Cyp3a13	13113	cytochrome P450, family 3, subfamily a, polypeptide 13	4.71	2.07	0.06
A_52_P520495	NM_011693	Vcam1	22329	vascular cell adhesion molecule 1	4.44	2.07	0.08

A_51_P262079	NM_010394	H2-Q7	15018	histocompatibility 2, Q region locus 7	6.38	2.07	0.00
A_51_P472901	NM_008577	Slc3a2	17254	solute carrier family 3 (activators of dibasic and neutral a	3.06	2.07	0.75
A_52_P663413	NM_011031	P4ha2	18452	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proli	3.63	2.07	0.31
A_52_P193301	NM_025519	Chmp4c	66371	chromatin modifying protein 4C	3.08	2.07	0.71
A_51_P483329	NM_172713	Sdad1	231452	SDA1 domain containing 1	3.03	2.06	0.79
A_52_P418489	NM_023476	Tinagl1	94242	tubulointerstitial nephritis antigen-like 1	3.32	2.06	0.49
A_51_P441286	NM_177625	Ttc5	219022	tetratricopeptide repeat domain 5	4.70	2.06	0.05
A_51_P409694	NM_019976	Psrc1	56742	proline/serine-rich coiled-coil 1	4.10	2.06	0.14
A_52_P369415	NM_207649	Rcan2	53901	regulator of calcineurin 2	9.52	2.06	0.00
A_51_P209280	NM_133685	Rab31	106572	RAB31, member RAS oncogene family	5.79	2.06	0.00
A_51_P200083	NM_023168	Grina	66168	glutamate receptor, ionotropic, N-methyl D-aspartate-as:	5.15	2.06	0.00
A_51_P306031	NA	NA	NA	NA	2.99	2.06	0.85
A_51_P226794	NM_001033:	9-Mar	216438	membrane-associated ring finger (C3HC4) 9	4.78	2.06	0.06
A_52_P250517	NM_011743	Zfp106	20402	zinc finger protein 106	3.35	2.06	0.47
A_51_P406306	NM_172655	Hecw2	329152	HECT, C2 and WW domain containing E3 ubiquitin protei	3.03	2.06	0.79
A_51_P470769	NM_033592	Pcdhga9	93717	protocadherin gamma subfamily A, 9	3.62	2.06	0.31
A_51_P392291	NM_145630	Pdk3	236900	pyruvate dehydrogenase kinase, isoenzyme 3	5.63	2.06	0.00
A_51_P497295	NM_027455	Qpct	70536	glutaminy-peptide cyclotransferase (glutaminy cyclase)	4.91	2.06	0.07
A_51_P221291	NM_009229	Sntb2	20650	syntrophin, basic 2	3.38	2.06	0.45
A_52_P597860	NM_153423	Wasf2	242687	WAS protein family, member 2	3.20	2.06	0.60
A_51_P454726	NM_001039:	Gtf2a2	235459	general transcription factor II A, 2	4.30	2.05	0.11
A_51_P128929	NM_020559	Alas1	11655	aminolevulinic acid synthase 1	3.34	2.05	0.47
A_51_P470228	NM_001033:	Spryd3	223918	SPRY domain containing 3	4.95	2.05	0.07
A_51_P225123	NM_016883	Psmd10	53380	proteasome (prosome, macropain) 26S subunit, non-ATP	3.63	2.05	0.31
A_52_P296208	NM_172480	Mtrr	210009	5-methyltetrahydrofolate-homocysteine methyltransfera	3.32	2.05	0.49
A_52_P217710	NM_008056	Fzd6	14368	frizzled homolog 6 (Drosophila)	3.35	2.05	0.46
A_51_P360004	NM_029021	4833422F2	74614	RIKEN cDNA 4833422F24 gene	3.06	2.05	0.76
A_51_P389814	NM_011349	Sema3f	20350	sema domain, immunoglobulin domain (Ig), short basic d	3.82	2.05	0.24
A_51_P477863	NM_012032	Serinc3	26943	serine incorporator 3	3.40	2.05	0.42
A_52_P268127	NM_172473	Hace1	209462	HECT domain and ankyrin repeat containing, E3 ubiquitin	3.36	2.05	0.46
A_52_P646832	NM_023380	Samsn1	67742	SAM domain, SH3 domain and nuclear localization signal:	3.12	2.04	0.70
A_52_P432037	NM_021330	Acp1	11431	acid phosphatase 1, soluble	3.54	2.04	0.34
A_52_P372843	AK161097	Sfrs13a	14105	splicing factor, arginine/serine-rich 13A	3.42	2.04	0.42
A_51_P169617	NM_027748	Taf3	209361	TAF3 RNA polymerase II, TATA box binding protein (TBP)-	3.25	2.04	0.55

A_52_P93467	NM_011521	Sdc4	20971	syndecan 4	3.11	2.04	0.70
A_52_P573336	NM_172205	Sbsn	282619	suprabasin	3.08	2.04	0.72
A_51_P437938	NM_198006	6330578E1	76178	RIKEN cDNA 6330578E17 gene	3.23	2.04	0.58
A_52_P427174	NM_030713	Zfp202	80902	zinc finger protein 202	5.40	2.04	0.00
A_52_P282276	NM_175145	Tmem127	69470	transmembrane protein 127	4.20	2.04	0.13
A_51_P115326	NM_011512	Surf4	20932	surfeit gene 4	3.79	2.04	0.23
A_52_P245365	XM_283757	Rtf1	76246	Rtf1, Paf1/RNA polymerase II complex component, homc	4.20	2.03	0.13
A_51_P438821	NM_023258	Pycard	66824	PYD and CARD domain containing	3.60	2.03	0.32
A_51_P266717	NA	NA	NA	NA	3.93	2.03	0.19
A_51_P151254	NM_134060	Slc35b3	108652	solute carrier family 35, member B3	2.98	2.03	0.87
A_52_P973486	BI329779	NA	NA	NA	3.16	2.03	0.65
A_52_P925038	NA	NA	NA	NA	3.52	2.03	0.35
A_51_P324814	NM_010664	Krt18	16668	keratin 18	3.12	2.03	0.70
A_52_P406216	NA	NA	NA	NA	5.03	2.03	0.08
A_52_P656860	NM_026232	Slc25a30	67554	solute carrier family 25, member 30	3.79	2.03	0.23
A_52_P638121	XM_001001	NA	NA	NA	5.36	2.03	0.00
A_51_P179498	NM_026558	Fam92a	68099	family with sequence similarity 92, member A	5.75	2.03	0.00
A_52_P395220	NM_026609	Leprotl1	68192	leptin receptor overlapping transcript-like 1	7.11	2.03	0.00
A_52_P622941	AK034948	Slc25a37	67712	solute carrier family 25, member 37	2.92	2.03	0.98
A_51_P455208	NM_011204	Ptpn13	19249	protein tyrosine phosphatase, non-receptor type 13	3.04	2.03	0.79
A_51_P225634	NM_027306	Zdhhc25	70073	zinc finger, DHHC domain containing 25	4.49	2.03	0.09
A_51_P114910	NM_007793	Cstb	13014	cystatin B	5.06	2.03	0.09
A_52_P561394	AK051292	BC005537	79555	cDNA sequence BC005537	3.32	2.02	0.49
A_52_P483680	AK079998	Zmpste24	230709	zinc metallopeptidase, STE24 homolog (S. cerevisiae)	3.48	2.02	0.37
A_51_P202950	AK010701	Dedd2	67379	death effector domain-containing DNA binding protein 2	3.06	2.02	0.75
A_51_P221274	NM_013784	Pign	27392	phosphatidylinositol glycan anchor biosynthesis, class N	5.46	2.02	0.00
A_51_P389714	AK146878	Phlpp2	244650	PH domain and leucine rich repeat protein phosphatase 2	3.14	2.02	0.67
A_52_P21574	AK033091	Pdlim7	67399	PDZ and LIM domain 7	3.70	2.02	0.27
A_52_P83363	AK015025	Ralgapa1	56784	Ral GTPase activating protein, alpha subunit 1	3.98	2.02	0.17
A_51_P236991	NM_028156	1700001P0	72215	RIKEN cDNA 1700001P01 gene	3.23	2.02	0.58
A_51_P185757	NM_177569	NA	NA	NA	3.04	2.02	0.78
A_51_P328613	NM_010188	Fcgr3	14131	Fc receptor, IgG, low affinity III	3.46	2.02	0.38
A_52_P609200	NM_012032	Serinc3	26943	serine incorporator 3	5.15	2.02	0.00
A_52_P642056	NM_053194	Ric8	101489	resistance to inhibitors of cholinesterase 8 homolog (C. e	4.24	2.02	0.13

A_52_P625672	AK039294	Lysmd4	75099	LysM, putative peptidoglycan-binding, domain containing	5.18	2.02	0.00
A_52_P542912	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	3.65	2.02	0.30
A_51_P521125	NM_025740	Ccdc104	216618	coiled-coil domain containing 104	3.30	2.02	0.52
A_52_P625277	NM_183220	Accs	329470	1-aminocyclopropane-1-carboxylate synthase homolog (μ	3.15	2.02	0.66
A_51_P152216	NM_025693	Tmem41a	66664	transmembrane protein 41a	4.91	2.02	0.07
A_51_P485594	NM_025729	Tab3	66724	TGF-beta activated kinase 1/MAP3K7 binding protein 3	3.87	2.02	0.22
A_51_P447835	NM_013737	Pla2g7	27226	phospholipase A2, group VII (platelet-activating factor ac	3.57	2.02	0.33
A_51_P386358	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2	4.64	2.02	0.05
A_51_P355151	AK013788	Camk2n2	73047	calcium/calmodulin-dependent protein kinase II inhibitor	5.87	2.01	0.00
A_52_P169048	NM_007872	Dnmt3a	13435	DNA methyltransferase 3A	3.87	2.01	0.20
A_51_P169693	NM_198095	Bst2	69550	bone marrow stromal cell antigen 2	3.64	2.01	0.30
A_52_P73214	NM_172977	Gtf3c4	269252	general transcription factor IIIC, polypeptide 4	2.96	2.01	0.92
A_52_P632742	NM_025858	Shisa5	66940	shisa homolog 5 (<i>Xenopus laevis</i>)	4.09	2.01	0.16
A_52_P670172	NM_198627	Vstm2l	277432	V-set and transmembrane domain containing 2-like	4.07	2.01	0.16
A_51_P214679	BC098509	3110003A1	73112	RIKEN cDNA 3110003A17 gene	4.70	2.01	0.05
A_51_P506236	NM_016691	Clcn5	12728	chloride channel 5	2.93	2.01	0.95
A_52_P9425	NA	NA	NA	NA	3.62	2.01	0.31
A_51_P240019	NM_013755	Gyg	27357	glycogenin	3.09	2.01	0.71
A_52_P101142	NM_018880	Trim3	55992	tripartite motif-containing 3	3.28	2.01	0.53
A_52_P32402	NM_025286	Slc31a2	20530	solute carrier family 31, member 2	3.49	2.01	0.38
A_51_P355821	NM_026999	Zfp688	69234	zinc finger protein 688	4.07	2.01	0.16
A_52_P214126	NM_009662	Alox5	11689	arachidonate 5-lipoxygenase	4.35	2.01	0.11
A_51_P266168	NM_001039	Eif4e2	26987	eukaryotic translation initiation factor 4E member 2	4.46	2.00	0.08
A_51_P460302	NM_130863	Adrbk1	110355	adrenergic receptor kinase, beta 1	3.44	2.00	0.40
A_51_P131168	NM_001012	Ccdc55	237859	coiled-coil domain containing 55	4.31	2.00	0.11
A_51_P307427	XM_001000	NA	NA	NA	3.62	2.00	0.31
A_51_P481052	NM_026531	Aen	68048	apoptosis enhancing nuclease	3.60	2.00	0.32
A_51_P197745	AK173144	Ssh1	231637	slingshot homolog 1 (<i>Drosophila</i>)	4.06	2.00	0.16
A_52_P499297	NM_019831	Zmym3	56364	zinc finger, MYM-type 3	3.43	2.00	0.40
A_52_P540045	AK083897	NA	NA	NA	3.11	2.00	0.70
A_52_P499027	NM_001039	Eif4e2	26987	eukaryotic translation initiation factor 4E member 2	4.58	2.00	0.09
A_51_P441312	BC099486	LOC100043	1E+08	similar to development and differentiation enhancing fac	3.43	2.00	0.40
A_52_P7400	NM_007793	Cstb	13014	cystatin B	5.44	2.00	0.00
A_52_P560038	NM_153589	Ano2	243634	anoctamin 2	3.48	2.00	0.39

A_51_P494006	BC075621	Rbm16	106583	RNA binding motif protein 16	3.47	2.00	0.39
A_51_P242399	NM_031170	Krt8	16691	keratin 8	3.58	2.00	0.33
A_52_P1020860	AK153119	AW112010	107350	expressed sequence AW112010	3.08	2.00	0.72
A_51_P207540	NM_146826	Olfr969	258823	olfactory receptor 969	4.14	1.99	0.15
A_52_P503927	NM_001033	Tmem181a	77106	transmembrane protein 181A	3.08	1.99	0.72
A_51_P119460	NM_133196	Cstf2	108062	cleavage stimulation factor, 3' pre-RNA subunit 2	2.96	1.99	0.92
A_51_P393255	NM_028534	Smap1	98366	stromal membrane-associated protein 1	3.61	1.99	0.31
A_52_P446644	NA	NA	NA	NA	4.30	1.99	0.11
A_51_P485542	NM_018737	Ctps2	55936	cytidine 5'-triphosphate synthase 2	4.31	1.99	0.11
A_51_P381584	NM_021433	Stx6	58244	syntaxin 6	4.91	1.99	0.07
A_52_P453684	AK021086	Lrp6	16974	low density lipoprotein receptor-related protein 6	3.42	1.99	0.42
A_51_P459108	NM_013754	Insl6	27356	insulin-like 6	4.28	1.99	0.10
A_52_P171160	NM_177281	D930030D	320874	RIKEN cDNA D930030D11 gene	3.88	1.98	0.20
A_51_P248265	NM_153552	Thoc1	225160	THO complex 1	3.11	1.98	0.70
A_51_P130427	NM_009439	Psmd3	22123	proteasome (prosome, macropain) 26S subunit, non-ATP	3.11	1.98	0.70
A_51_P464576	NM_008943	Psen1	19164	presenilin 1	2.91	1.98	0.98
A_51_P360165	NM_007635	Ccng2	12452	cyclin G2	2.94	1.98	0.93
A_52_P116018	XM_129134	Aldh3b2	621603	aldehyde dehydrogenase 3 family, member B2	3.02	1.98	0.79
A_51_P177106	X89690	Olfr29-ps1	29848	olfactory receptor 29, pseudogene 1	3.62	1.98	0.31
A_51_P461884	NM_009595	Abl2	11352	v-abl Abelson murine leukemia viral oncogene homolog 2	4.05	1.98	0.16
A_52_P404329	NM_011316	Saa4	20211	serum amyloid A 4	3.40	1.98	0.42
A_52_P539361	NM_001033	2610002J0	67513	RIKEN cDNA 2610002J02 gene	3.60	1.98	0.32
A_51_P415809	NM_026954	Tusc1	69136	tumor suppressor candidate 1	4.02	1.98	0.18
A_51_P518528	NM_172920	Dpy19l1	244745	dpy-19-like 1 (C. elegans)	3.29	1.98	0.52
A_51_P306658	NM_133939	Naa38	76522	N(alpha)-acetyltransferase 38, NatC auxiliary subunit	4.69	1.98	0.05
A_52_P451041	NM_133795	Ttc1	66827	tetratricopeptide repeat domain 1	4.04	1.97	0.16
A_52_P275348	NM_029012	Sppl3	74585	signal peptide peptidase 3	3.03	1.97	0.79
A_52_P520909	AK143078	Tmem214	68796	transmembrane protein 214	2.92	1.97	0.98
A_52_P537566	NM_177150	Cenpt	320394	centromere protein T	5.67	1.97	0.00
A_52_P67079	NM_027185	Def6	23853	differentially expressed in FDCP 6	7.82	1.97	0.00
A_52_P26357	AK129064	Arhgef7	54126	Rho guanine nucleotide exchange factor (GEF7)	2.97	1.97	0.89
A_52_P274315	NM_175335	Gtf2a1	83602	general transcription factor II A, 1	3.08	1.97	0.72
A_51_P324934	AK088142	Mcm3	17215	minichromosome maintenance deficient 3 (S. cerevisiae)	4.90	1.97	0.07
A_52_P763938	NA	NA	NA	NA	4.20	1.97	0.13

A_52_P543430	XR_002544	NA	NA	NA	3.86	1.96	0.22
A_51_P292030	NM_030250	Nus1	52014	nuclear undecaprenyl pyrophosphate synthase 1 homolo	4.15	1.96	0.15
A_51_P516756	NM_010434	Hipk3	15259	homeodomain interacting protein kinase 3	3.43	1.96	0.40
A_51_P149621	NM_024222	Stt3b	68292	STT3, subunit of the oligosaccharyltransferase complex, f	3.26	1.96	0.53
A_51_P326187	NM_172741	4931406P1	233103	RIKEN cDNA 4931406P16 gene	5.13	1.96	0.00
A_52_P354844	AK029268	Eda2r	245527	ectodysplasin A2 isoform receptor	3.74	1.96	0.26
A_51_P337755	NM_026107	Zkscan6	52712	zinc finger with KRAB and SCAN domains 6	3.36	1.96	0.46
A_51_P356760	NM_138315	Mical1	171580	microtubule associated monooxygenase, calponin and LIM	3.27	1.96	0.53
A_51_P264884	NM_172277	Snx8	231834	sorting nexin 8	6.31	1.96	0.00
A_52_P419405	NM_133796	Arhgdia	192662	Rho GDP dissociation inhibitor (GDI) alpha	9.99	1.96	0.00
A_52_P609387	AK044402	AI848100	226551	expressed sequence AI848100	3.00	1.96	0.82
A_51_P520310	NM_007440	Alox12	11684	arachidonate 12-lipoxygenase	5.09	1.96	0.00
A_51_P435052	NM_019793	Tspan3	56434	tetraspanin 3	3.75	1.96	0.26
A_52_P335478	NM_025882	Pole4	66979	polymerase (DNA-directed), epsilon 4 (p12 subunit)	4.61	1.96	0.10
A_52_P641892	NM_021345	Ptplad1	57874	protein tyrosine phosphatase-like A domain containing 1	4.47	1.96	0.08
A_51_P378677	NM_001037	Psg27	545925	pregnancy-specific glycoprotein 27	5.70	1.95	0.00
A_51_P237668	NM_009749	Bex2	12069	brain expressed X-linked 2	3.89	1.95	0.21
A_52_P438919	NM_001011	Olfr524	258055	olfactory receptor 524	3.53	1.95	0.34
A_52_P218765	NM_198664	Tbc1d2	381605	TBC1 domain family, member 2	4.12	1.95	0.14
A_51_P368171	AK049415	AU020206	101757	expressed sequence AU020206	3.04	1.95	0.78
A_52_P195798	NM_026536	Atp5s	68055	ATP synthase, H+ transporting, mitochondrial F0 comple	4.37	1.95	0.11
A_52_P407854	BC093523	Dda1	66498	DET1 and DDB1 associated 1	4.23	1.95	0.13
A_52_P446181	NM_175163	Zfp689	71131	zinc finger protein 689	3.45	1.95	0.40
A_52_P479099	NM_009448	Tuba1c	22146	tubulin, alpha 1C	5.09	1.95	0.00
A_52_P444116	NA	NA	NA	NA	3.78	1.95	0.25
A_51_P443364	NM_134048	Cbll1	104836	Casitas B-lineage lymphoma-like 1	3.22	1.95	0.58
A_52_P305289	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	4.56	1.95	0.09
A_51_P423039	NM_145406	Slc10a3	214601	solute carrier family 10 (sodium/bile acid cotransporter f	3.90	1.95	0.21
A_51_P125446	NM_026963	Lzic	69151	leucine zipper and CTNNBIP1 domain containing	4.02	1.95	0.18
A_51_P450924	NM_025882	Pole4	66979	polymerase (DNA-directed), epsilon 4 (p12 subunit)	4.07	1.95	0.16
A_51_P440707	NM_025888	Kctd20	66989	potassium channel tetramerisation domain containing 2C	4.22	1.95	0.13
A_51_P150302	NM_019465	Crtam	54698	cytotoxic and regulatory T cell molecule	3.40	1.94	0.42
A_51_P361535	NM_011190	Psme2	19188	proteasome (prosome, macropain) 28 subunit, beta	6.00	1.94	0.00
A_52_P85892	NM_029502	Cant1	76025	calcium activated nucleotidase 1	3.93	1.94	0.19

A_51_P412947	NM_007968	Ewsr1	14030	Ewing sarcoma breakpoint region 1	4.58	1.94	0.09
A_51_P503261	NM_133897	Lrrc8c	100604	leucine rich repeat containing 8 family, member C	4.14	1.94	0.14
A_52_P1077539	NA	NA	NA	NA	3.14	1.94	0.67
A_52_P555520	NM_029742	Klhdc10	76788	kelch domain containing 10	3.26	1.94	0.53
A_51_P154997	NM_134155	Brms1	107392	breast cancer metastasis-suppressor 1	4.30	1.94	0.11
A_51_P268843	NM_028544	Rasip1	69903	Ras interacting protein 1	3.09	1.94	0.71
A_52_P636894	AK081953	2010106G01	66552	RIKEN cDNA 2010106G01 gene	4.58	1.94	0.09
A_51_P289353	NM_032544	Gtpbp3	70359	GTP binding protein 3	3.54	1.94	0.34
A_51_P321984	NM_139311	Mllt6	246198	myeloid/lymphoid or mixed-lineage leukemia (trithorax t	3.61	1.94	0.31
A_52_P389595	NM_030711	Erap1	80898	endoplasmic reticulum aminopeptidase 1	3.14	1.94	0.67
A_52_P16166	NM_027830	Mcm9	71567	minichromosome maintenance complex component 9	3.48	1.94	0.37
A_52_P700067	BG067131	NA	NA	NA	3.88	1.93	0.21
A_52_P60519	NM_029648	D19Ertd73	76539	DNA segment, Chr 19, ERATO Doi 737, expressed	3.94	1.93	0.19
A_52_P86176	NM_011530	Tap2	21355	transporter 2, ATP-binding cassette, sub-family B (MDR/T	3.03	1.93	0.79
A_52_P132055	NM_021293	Cd33	12489	CD33 antigen	4.55	1.93	0.09
A_52_P306831	NM_001002	Pram1	378460	PML-RAR alpha-regulated adaptor molecule 1	3.63	1.93	0.31
A_52_P282838	NM_001005	Spin2	278240	spindlin family, member 2	3.32	1.93	0.49
A_51_P169401	NM_008514	Lrp6	16974	low density lipoprotein receptor-related protein 6	3.02	1.93	0.79
A_52_P62617	BB609792	NA	NA	NA	4.95	1.93	0.07
A_52_P289071	NM_177054	Casc4	319996	cancer susceptibility candidate 4	3.29	1.93	0.52
A_52_P168962	NM_007646	Cd38	12494	CD38 antigen	4.18	1.93	0.12
A_51_P196629	XM_283903	Fam102b	329739	family with sequence similarity 102, member B	3.39	1.93	0.44
A_52_P676913	NM_010817	Psmc7	17463	proteasome (prosome, macropain) 26S subunit, non-ATP	3.39	1.93	0.44
A_51_P318551	NM_145431	Nle1	217011	notchless homolog 1 (Drosophila)	3.96	1.93	0.17
A_52_P673978	AK043361	Glce	93683	glucuronyl C5-epimerase	5.54	1.93	0.00
A_52_P291723	NM_177923	H2-M10.2	333715	histocompatibility 2, M region locus 10.2	3.64	1.93	0.31
A_52_P140546	NM_025772	Dtnbp1	94245	dystrobrevin binding protein 1	3.61	1.92	0.31
A_52_P39756	NM_001015	Rap1gap2	380711	RAP1 GTPase activating protein 2	3.26	1.92	0.53
A_52_P517730	NM_009952	Creb1	12912	cAMP responsive element binding protein 1	3.60	1.92	0.32
A_51_P160514	NM_021328	Bin3	57784	bridging integrator 3	3.48	1.92	0.39
A_52_P512847	NM_010589	Jak3	16453	Janus kinase 3	4.07	1.92	0.16
A_51_P137419	NM_009977	Cst7	13011	cystatin F (leukocystatin)	4.08	1.92	0.16
A_52_P391066	AK010836	Ppp1r12c	232807	protein phosphatase 1, regulatory (inhibitor) subunit 12C	4.17	1.92	0.12
A_52_P273929	NM_025301	Mrpl17	27397	mitochondrial ribosomal protein L17	6.30	1.91	0.00

A_51_P142465	NM_011239	Ranbp1	19385	RAN binding protein 1	3.93	1.91	0.19
A_51_P405135	XM_896646	NA	NA	NA	3.03	1.91	0.79
A_52_P271	NM_029669	Dnajc18	76594	Dnaj (Hsp40) homolog, subfamily C, member 18	3.48	1.91	0.37
A_52_P479599	NM_010438	Hk1	15275	hexokinase 1	3.09	1.91	0.71
A_52_P569178	AK030115	Sf3a1	67465	splicing factor 3a, subunit 1	3.43	1.91	0.40
A_51_P461138	NM_016861	Pdlim1	54132	PDZ and LIM domain 1 (elfin)	4.03	1.91	0.16
A_51_P341717	AF251703	Cd300lf	246746	CD300 antigen like family member F	5.33	1.91	0.00
A_51_P152404	NM_026166	Ikbip	67454	IKBKB interacting protein	3.45	1.91	0.40
A_52_P341449	NM_028352	Pgm3	109785	phosphoglucomutase 3	4.88	1.91	0.07
A_51_P473498	NM_173398	Gpr171	229323	G protein-coupled receptor 171	4.73	1.91	0.06
A_51_P433237	NM_007665	Cdh3	12560	cadherin 3	3.40	1.91	0.43
A_51_P515768	AK033091	Pdlim7	67399	PDZ and LIM domain 7	3.63	1.91	0.31
A_52_P537140	AK047235	Zdhhc24	70605	zinc finger, DHHC domain containing 24	2.94	1.90	0.93
A_51_P402909	NM_010877	Ncf2	17970	neutrophil cytosolic factor 2	3.34	1.90	0.48
A_51_P431554	BC027639	2310004N2	69535	RIKEN cDNA 2310004N24 gene	6.38	1.90	0.00
A_52_P209311	AK170992	Snx12	55988	sorting nexin 12	2.93	1.90	0.95
A_51_P173622	NM_011202	Ptpn11	19247	protein tyrosine phosphatase, non-receptor type 11	3.42	1.90	0.42
A_51_P515623	NM_026111	Qpctl	67369	glutaminy-peptide cyclotransferase-like	3.83	1.90	0.23
A_52_P281679	AK004214	Gmeb1	56809	glucocorticoid modulatory element binding protein 1	3.02	1.90	0.79
A_52_P112721	NM_178599	Commd8	27784	COMM domain containing 8	3.15	1.90	0.66
A_52_P550843	NM_024282	Pppde1	78825	PPPDE peptidase domain containing 1	3.28	1.90	0.53
A_51_P514584	NM_001017	Tbata	65971	thymus, brain and testes associated	3.48	1.90	0.37
A_51_P479434	AK042393	Rfc3	69263	replication factor C (activator 1) 3	3.03	1.90	0.79
A_52_P488612	AK029907	Btbd9	224671	BTB (POZ) domain containing 9	3.91	1.90	0.21
A_51_P176661	NM_175286	C430004E1	97031	RIKEN cDNA C430004E15 gene	3.24	1.90	0.56
A_51_P472241	NM_013717	B9d1	27078	B9 protein domain 1	2.96	1.89	0.91
A_52_P211393	BC059278	Ptpn11	19247	protein tyrosine phosphatase, non-receptor type 11	3.70	1.89	0.27
A_52_P559034	AK052765	Klhdc5	232539	kelch domain containing 5	5.01	1.89	0.08
A_51_P367100	NM_008407	Itih3	16426	inter-alpha trypsin inhibitor, heavy chain 3	6.97	1.89	0.00
A_52_P612682	NM_145956	Brcc3	210766	BRCA1/BRCA2-containing complex, subunit 3	2.98	1.89	0.89
A_52_P412543	NM_172502	Dcaf15	212123	DDB1 and CUL4 associated factor 15	5.43	1.89	0.00
A_52_P566348	NM_010937	Nras	18176	neuroblastoma ras oncogene	5.65	1.89	0.00
A_51_P499441	NM_178900	Prkd2	101540	protein kinase D2	7.26	1.89	0.00
A_52_P469939	NM_027375	Gcc2	70297	GRIP and coiled-coil domain containing 2	3.39	1.89	0.44

A_52_P582000	NA	NA	NA	NA	3.16	1.88	0.65
A_51_P331215	AK034732	Prmt6	99890	protein arginine N-methyltransferase 6	3.76	1.88	0.25
A_51_P484679	AK080946	Synj1	104015	synaptojanin 1	4.52	1.88	0.09
A_52_P628455	NM_007968	Ewsr1	14030	Ewing sarcoma breakpoint region 1	3.30	1.88	0.50
A_51_P446678	NM_018736	Mre11a	17535	meiotic recombination 11 homolog A (<i>S. cerevisiae</i>)	2.94	1.88	0.93
A_52_P336859	AK088462	Hnrnpk	15387	heterogeneous nuclear ribonucleoprotein K	4.01	1.88	0.18
A_51_P467990	NM_026602	Bcas2	68183	breast carcinoma amplified sequence 2	3.60	1.88	0.32
A_51_P324351	NM_013900	Mfi2	30060	antigen p97 (melanoma associated) identified by monoclonal antibody	3.52	1.88	0.35
A_51_P174854	NM_019791	Maged1	94275	melanoma antigen, family D, 1	3.51	1.88	0.36
A_52_P135175	NM_025480	Tmem128	66309	transmembrane protein 128	3.47	1.88	0.38
A_52_P62085	NM_022325	Ctsz	64138	cathepsin Z	5.35	1.88	0.00
A_51_P307864	NM_026208	1700019N167507	167507	RIKEN cDNA 1700019N19 gene	3.23	1.88	0.58
A_52_P106537	NM_053068	Chrac1	93696	chromatin accessibility complex 1	4.97	1.88	0.07
A_52_P584570	NA	NA	NA	NA	2.94	1.88	0.93
A_51_P180825	NM_008707	Nmt1	18107	N-myristoyltransferase 1	3.90	1.88	0.21
A_52_P495139	NM_025635	Zwint	52696	ZW10 interactor	3.31	1.88	0.49
A_52_P217986	NM_030138	Acap2	78618	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	5.22	1.88	0.00
A_51_P253204	NM_028805	Katnb1	74187	katanin p80 (WD40-containing) subunit B 1	5.31	1.88	0.00
A_51_P500760	XM_994514	Eid2b	434156	EP300 interacting inhibitor of differentiation 2B	3.60	1.88	0.32
A_51_P302576	NM_009259	Spn	20737	sialophorin	6.39	1.88	0.00
A_52_P859659	AK051538	NA	NA	NA	3.83	1.88	0.23
A_52_P370560	NM_011690	Vars	22321	valyl-tRNA synthetase	3.19	1.87	0.62
A_51_P242967	NM_021308	Piwil2	57746	piwi-like homolog 2 (<i>Drosophila</i>)	5.56	1.87	0.00
A_52_P369769	AK170314	Nrg1	211323	neuregulin 1	2.96	1.87	0.91
A_51_P402908	NA	NA	NA	NA	3.67	1.87	0.29
A_51_P114577	AK161172	Parm1	231440	prostate androgen-regulated mucin-like protein 1	3.10	1.87	0.70
A_51_P101929	NM_010705	Lgals3	16854	lectin, galactose binding, soluble 3	3.06	1.87	0.76
A_52_P308681	NM_029705	Atxn3	110616	ataxin 3	4.58	1.87	0.09
A_51_P323221	NM_175306	Phactr4	100169	phosphatase and actin regulator 4	5.70	1.87	0.00
A_52_P499206	NM_013763	Tbl2	27368	transducin (beta)-like 2	4.84	1.87	0.06
A_52_P17115	NM_133206	Znrf1	170737	zinc and ring finger 1	2.91	1.87	0.98
A_51_P108779	NM_023131	Rce1	19671	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	2.97	1.87	0.89
A_52_P304128	NM_008608	Mmp14	17387	matrix metalloproteinase 14 (membrane-inserted)	3.72	1.87	0.27
A_51_P486239	NM_011606	Clec3b	21922	C-type lectin domain family 3, member b	4.82	1.87	0.06

A_51_P192429	NM_021343	Spata5	57815	spermatogenesis associated 5	3.62	1.87	0.31
A_51_P249494	NM_016807	Sdcbp	53378	syndecan binding protein	3.72	1.87	0.27
A_52_P641185	NM_011202	Ptpn11	19247	protein tyrosine phosphatase, non-receptor type 11	3.09	1.87	0.71
A_52_P349738	NM_024173	Atp6v1g1	66290	ATPase, H+ transporting, lysosomal V1 subunit G1	3.40	1.87	0.42
A_52_P197731	NM_001025	2700007P2	212772	RIKEN cDNA 2700007P21 gene	3.60	1.87	0.32
A_51_P131358	NM_009151	Selplg	20345	selectin, platelet (p-selectin) ligand	2.91	1.87	0.99
A_51_P142089	NM_016920	Atp6v0a1	11975	ATPase, H+ transporting, lysosomal V0 subunit A1	3.84	1.87	0.22
A_52_P310140	NM_021539	Wsb2	59043	WD repeat and SOCS box-containing 2	3.03	1.86	0.79
A_52_P355014	NM_025875	Rbm8a	60365	RNA binding motif protein 8a	3.89	1.86	0.21
A_51_P430357	NM_022993	Lrp10	65107	low-density lipoprotein receptor-related protein 10	3.58	1.86	0.33
A_51_P514623	NM_025422	Cd302	66205	CD302 antigen	6.10	1.86	0.00
A_52_P223495	NM_010576	Itga4	16401	integrin alpha 4	5.88	1.86	0.00
A_52_P57526	BC021160	Sin3b	20467	transcriptional regulator, SIN3B (yeast)	4.05	1.86	0.16
A_51_P293516	NM_019636	Tbc1d1	57915	TBC1 domain family, member 1	4.03	1.86	0.16
A_51_P455776	NM_026177	1200011118	67467	RIKEN cDNA 1200011118 gene	2.92	1.86	0.96
A_51_P219433	NM_138596	Med10	28077	mediator of RNA polymerase II transcription, subunit 10 I	4.52	1.86	0.09
A_51_P371152	XM_127051	Sos2	20663	son of sevenless homolog 2 (Drosophila)	3.22	1.86	0.58
A_51_P173022	NM_026330	Nsmce1	67711	non-SMC element 1 homolog (S. cerevisiae)	3.00	1.86	0.85
A_51_P261059	NM_153507	Cpne2	234577	copine II	3.28	1.86	0.53
A_51_P272172	NM_053068	Chrac1	93696	chromatin accessibility complex 1	5.13	1.86	0.00
A_52_P199446	XM_974928	NA	NA	NA	4.81	1.86	0.06
A_51_P433562	NM_138314	Nme7	171567	non-metastatic cells 7, protein expressed in (nucleoside-c	3.49	1.86	0.38
A_52_P104961	NA	NA	NA	NA	3.10	1.85	0.70
A_51_P346453	NM_153570	Noc4l	100608	nucleolar complex associated 4 homolog (S. cerevisiae)	3.06	1.85	0.76
A_51_P408729	NM_016966	Phgdh	236539	3-phosphoglycerate dehydrogenase	2.90	1.85	0.99
A_52_P506271	NM_153582	Cmtm4	97487	CKLF-like MARVEL transmembrane domain containing 4	4.54	1.85	0.09
A_51_P449935	NM_025310	Ftsj3	56095	FtsJ homolog 3 (E. coli)	2.89	1.85	1.02
A_52_P147816	NM_029413	Morc4	75746	microrchidia 4	3.85	1.85	0.22
A_52_P716675	NA	NA	NA	NA	4.01	1.85	0.18
A_51_P416974	NM_016768	Pbx3	18516	pre B-cell leukemia transcription factor 3	3.62	1.85	0.31
A_51_P264064	NM_016692	Incenp	16319	inner centromere protein	3.39	1.85	0.44
A_51_P224023	NM_144846	Fam49b	223601	family with sequence similarity 49, member B	4.00	1.85	0.18
A_51_P145541	NM_020296	Rbms1	56878	RNA binding motif, single stranded interacting protein 1	3.00	1.85	0.85
A_51_P267194	NM_011810	Faim	23873	Fas apoptotic inhibitory molecule	3.44	1.85	0.40

A_52_P397944	XM_146900	NA	NA	NA	3.03	1.85	0.79
A_51_P117666	BC055707	1810032O	66293	RIKEN cDNA 1810032O08 gene	2.94	1.85	0.93
A_51_P126302	NM_173376	Rbmx2	209003	RNA binding motif protein, X-linked 2	3.36	1.85	0.46
A_51_P515348	NM_133757	Pgs1	74451	phosphatidylglycerophosphate synthase 1	2.95	1.84	0.92
A_52_P251703	D28599	Vcan	13003	versican	5.56	1.84	0.00
A_52_P243152	NM_026866	Disp1	68897	dispatched homolog 1 (Drosophila)	3.66	1.84	0.28
A_52_P194929	XM_109726	NA	NA	NA	3.27	1.84	0.53
A_52_P422172	NM_011932	Dapp1	26377	dual adaptor for phosphotyrosine and 3-phosphoinositid	5.34	1.84	0.00
A_52_P683572	NM_021539	Wsb2	59043	WD repeat and SOCS box-containing 2	3.07	1.84	0.74
A_52_P338816	AK164710	Zufsp	72580	zinc finger with UFM1-specific peptidase domain	3.73	1.84	0.26
A_51_P327121	NM_009515	Was	22376	Wiskott-Aldrich syndrome homolog (human)	3.72	1.84	0.27
A_51_P444565	NA	NA	NA	NA	5.00	1.84	0.08
A_51_P328963	NM_011672	Ufd1l	22230	ubiquitin fusion degradation 1 like	4.63	1.84	0.05
A_52_P57359	NM_013835	Trove2	20822	TROVE domain family, member 2	3.08	1.84	0.71
A_52_P268549	NM_197981	593041611	72440	RIKEN cDNA 5930416119 gene	4.25	1.84	0.13
A_51_P257960	NM_011967	Psma5	26442	proteasome (prosome, macropain) subunit, alpha type 5	3.58	1.84	0.33
A_52_P628521	AK045264	B130052P1	105442	RIKEN cDNA B130052P14 gene	3.58	1.84	0.33
A_52_P261322	NM_198294	Tanc1	66860	tetratricopeptide repeat, ankyrin repeat and coiled-coil c	3.04	1.84	0.79
A_52_P530958	NM_027353	Cd2bp2	70233	CD2 antigen (cytoplasmic tail) binding protein 2	3.47	1.84	0.39
A_51_P294113	AK032988	Chd2	244059	chromodomain helicase DNA binding protein 2	3.20	1.84	0.59
A_52_P470916	AK161656	Taf1d	75316	TATA box binding protein (Tbp)-associated factor, RNA p	2.93	1.83	0.95
A_52_P375156	NM_020270	Scamp5	56807	secretory carrier membrane protein 5	3.59	1.83	0.32
A_52_P307938	NM_001077	Pik3r1	18708	phosphatidylinositol 3-kinase, regulatory subunit, polype	3.12	1.83	0.70
A_51_P237754	NM_010398	H2-T23	15040	histocompatibility 2, T region locus 23	6.65	1.83	0.00
A_52_P536947	NM_133769	Cyfp2	76884	cytoplasmic FMR1 interacting protein 2	3.88	1.83	0.21
A_51_P192501	NM_026240	Gramd3	107022	GRAM domain containing 3	3.01	1.83	0.82
A_52_P215469	NM_133942	Plekha1	101476	pleckstrin homology domain containing, family A (phosph	3.82	1.83	0.24
A_52_P384822	AK129235	Taok2	381921	TAO kinase 2	3.23	1.83	0.56
A_52_P488471	NM_008019	Fkbp1a	14225	FK506 binding protein 1a	4.04	1.83	0.16
A_51_P483324	NM_008979	Ptpn22	19260	protein tyrosine phosphatase, non-receptor type 22 (lym	5.05	1.83	0.08
A_51_P103000	NM_008851	Pitpnm1	18739	phosphatidylinositol transfer protein, membrane-associa	4.33	1.83	0.11
A_51_P433615	NM_183390	Klhl6	239743	kelch-like 6 (Drosophila)	4.62	1.83	0.05
A_51_P261379	NM_139140	Spats2	72572	spermatogenesis associated, serine-rich 2	3.13	1.83	0.68
A_51_P454797	NM_025534	Ccdc82	66396	coiled-coil domain containing 82	4.70	1.83	0.05

A_51_P278489	NM_133927	ltfg2	101142	integrin alpha FG-GAP repeat containing 2	3.61	1.83	0.31
A_51_P200027	NM_026148	Lims1	110829	LIM and senescent cell antigen-like domains 1	5.65	1.83	0.00
A_52_P563617	NM_133772	Ssbp4	76900	single stranded DNA binding protein 4	3.23	1.82	0.58
A_52_P636050	NM_025663	Gpatch4	66614	G patch domain containing 4	3.45	1.82	0.40
A_51_P108778	NM_023131	Rce1	19671	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	3.26	1.82	0.53
A_51_P426943	NM_018855	Gas8	104346	growth arrest specific 8	4.66	1.82	0.05
A_51_P181205	NM_029418	9130401M1	75758	RIKEN cDNA 9130401M01 gene	5.69	1.82	0.00
A_52_P354271	NM_026655	2310057M	68277	RIKEN cDNA 2310057M21 gene	3.10	1.82	0.70
A_51_P199057	NM_029749	Usp42	76800	ubiquitin specific peptidase 42	4.49	1.82	0.09
A_51_P370630	NM_026689	Mul1	68350	mitochondrial ubiquitin ligase activator of NFKB 1	3.30	1.82	0.52
A_52_P107424	NM_010731	Zbtb7a	16969	zinc finger and BTB domain containing 7a	3.69	1.82	0.29
A_52_P1126526	NM_175294	Nucks1	98415	nuclear casein kinase and cyclin-dependent kinase substr	3.35	1.82	0.47
A_52_P292708	NM_019437	Rfk	54391	riboflavin kinase	5.08	1.82	0.00
A_52_P163766	NM_011596	Atp6v0a2	21871	ATPase, H ⁺ transporting, lysosomal V0 subunit A2	4.79	1.81	0.06
A_52_P558357	NM_001033	Dcp1b	319618	DCP1 decapping enzyme homolog b (<i>S. cerevisiae</i>)	4.27	1.81	0.10
A_52_P274960	NM_001005	Arhgap30	226652	Rho GTPase activating protein 30	3.27	1.81	0.53
A_51_P259378	NM_030743	Rnf114	81018	ring finger protein 114	2.92	1.81	0.98
A_52_P267275	AK018401	Alpk1	71481	alpha-kinase 1	3.50	1.81	0.36
A_52_P579258	NA	NA	NA	NA	4.39	1.81	0.12
A_52_P564908	AK013903	NA	NA	NA	3.74	1.81	0.26
A_52_P630493	NM_001037	Dnajb6	23950	Dnaj (Hsp40) homolog, subfamily B, member 6	3.19	1.81	0.60
A_52_P38317	AK046153	Naa20	67877	N(alpha)-acetyltransferase 20, NatB catalytic subunit	4.98	1.81	0.08
A_52_P8903	NM_177140	D230037D	320351	RIKEN cDNA D230037D09 gene	3.10	1.81	0.70
A_52_P149163	AK146784	Mark4	232944	MAP/microtubule affinity-regulating kinase 4	3.27	1.81	0.53
A_51_P133381	NM_026797	Dbn1d2	52840	dysbindin (dystrobrevin binding protein 1) domain contai	3.85	1.81	0.22
A_52_P135282	NM_212447	Marveld3	73608	MARVEL (membrane-associating) domain containing 3	4.09	1.81	0.16
A_51_P201346	NM_010786	Mdm2	17246	transformed mouse 3T3 cell double minute 2	2.99	1.81	0.85
A_51_P517105	NM_012054	Aoah	27052	acyloxyacyl hydrolase	3.45	1.80	0.40
A_51_P230142	NM_026634	A930018P2	68243	RIKEN cDNA A930018P22 gene	5.01	1.80	0.08
A_51_P491011	NM_001033	Pgap3	320655	post-GPI attachment to proteins 3	3.92	1.80	0.19
A_52_P411430	XM_622446	Gm5914	546100	predicted gene 5914	3.12	1.80	0.70
A_52_P434820	NM_001038	Gnpda2	67980	glucosamine-6-phosphate deaminase 2	4.12	1.80	0.14
A_52_P284162	NM_009456	Ube2l3	22195	ubiquitin-conjugating enzyme E2L 3	4.46	1.80	0.08
A_51_P484983	NM_023224	Cblc	80794	Casitas B-lineage lymphoma c	4.89	1.80	0.07

A_52_P112110	NM_145987	Tmem82	213989	transmembrane protein 82	3.19	1.80	0.60
A_52_P1061446	XM_885873	Baz1a	217578	bromodomain adjacent to zinc finger domain 1A	3.02	1.80	0.79
A_51_P274789	NM_030690	Rai14	75646	retinoic acid induced 14	4.32	1.80	0.11
A_51_P192817	NM_026816	Gtf2f2	68705	general transcription factor IIF, polypeptide 2	3.32	1.80	0.49
A_51_P349691	NM_133979	Ano10	102566	anoctamin 10	3.71	1.80	0.28
A_52_P228247	NM_010282	Ggps1	14593	geranylgeranyl diphosphate synthase 1	3.51	1.80	0.36
A_52_P636482	NM_182650	Hnrnpa2b1	53379	heterogeneous nuclear ribonucleoprotein A2/B1	3.24	1.79	0.56
A_51_P440107	NM_026968	Manbal	69161	mannosidase, beta A, lysosomal-like	3.87	1.79	0.20
A_51_P333060	NM_148948	Dicer1	192119	Dicer1, Dcr-1 homolog (Drosophila)	3.06	1.79	0.75
A_51_P123077	NM_011955	Nubp1	26425	nucleotide binding protein 1	4.19	1.79	0.12
A_52_P495031	NM_029418	9130401M01	75758	RIKEN cDNA 9130401M01 gene	4.66	1.79	0.05
A_51_P190277	NM_053074	Nup62	18226	nucleoporin 62	3.23	1.79	0.58
A_52_P249385	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2	3.06	1.79	0.76
A_52_P594768	NM_009698	Aprt	11821	adenine phosphoribosyl transferase	3.62	1.79	0.31
A_51_P296036	NM_144847	Nrbp2	223649	nuclear receptor binding protein 2	3.32	1.79	0.49
A_52_P542140	AK005617	Fam192a	102122	family with sequence similarity 192, member A	3.60	1.79	0.32
A_51_P110576	NM_011175	Lgmn	19141	legumain	3.37	1.79	0.45
A_52_P283910	AK011143	Hnrpdl	50926	heterogeneous nuclear ribonucleoprotein D-like	2.97	1.79	0.89
A_52_P580974	NM_130863	Adrbk1	110355	adrenergic receptor kinase, beta 1	3.39	1.79	0.44
A_51_P203501	NM_011690	Vars	22321	valyl-tRNA synthetase	3.75	1.79	0.26
A_51_P430766	NM_010548	Il10	16153	interleukin 10	3.14	1.79	0.67
A_52_P609153	NM_144905	6330416G13	230279	RIKEN cDNA 6330416G13 gene	2.95	1.79	0.93
A_52_P18559	BC019206	Sbno2	216161	strawberry notch homolog 2 (Drosophila)	3.61	1.79	0.31
A_51_P487869	NM_024442	Cyp4f16	70101	cytochrome P450, family 4, subfamily f, polypeptide 16	4.80	1.79	0.06
A_51_P151902	NM_145584	Spon1	233744	spondin 1, (f-spondin) extracellular matrix protein	3.99	1.78	0.18
A_52_P1114640	AK010368	2410003L1	69729	RIKEN cDNA 2410003L11 gene	3.32	1.78	0.49
A_52_P382876	NM_177692	Bloc1s3	232946	biogenesis of lysosome-related organelles complex-1, subunit 3	3.31	1.78	0.49
A_51_P124719	NM_001025	Ccdc93	70829	coiled-coil domain containing 93	3.44	1.78	0.40
A_51_P115940	NM_172787	L3mbtl3	237339	l(3)mbt-like 3 (Drosophila)	3.13	1.78	0.68
A_52_P245648	NM_008577	Slc3a2	17254	solute carrier family 3 (activators of dibasic and neutral amino acids)	3.81	1.78	0.24
A_51_P113527	NM_144958	Eif4a1	13681	eukaryotic translation initiation factor 4A1	3.24	1.78	0.56
A_51_P354572	NM_198163	Rab35	77407	RAB35, member RAS oncogene family	3.03	1.78	0.79
A_52_P464629	NM_138314	Nme7	171567	non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase 7)	3.68	1.78	0.29
A_52_P491544	NM_017464	Nedd9	18003	neural precursor cell expressed, developmentally down-regulated 9	4.17	1.78	0.12

A_51_P108226	NM_183249	1100001G266107		RIKEN cDNA 1100001G20 gene	3.89	1.78	0.21
A_51_P330428	NM_007918	Eif4ebp1	13685	eukaryotic translation initiation factor 4E binding protein	4.09	1.77	0.17
A_51_P491437	NM_172618	Btbd9	224671	BTB (POZ) domain containing 9	3.53	1.77	0.34
A_52_P1184000	NM_175294	Nucks1	98415	nuclear casein kinase and cyclin-dependent kinase substr	5.58	1.77	0.00
A_52_P558411	NM_010833	Msn	17698	moesin	3.32	1.77	0.49
A_51_P301394	NM_008179	Gspt2	14853	G1 to S phase transition 2	3.94	1.77	0.19
A_51_P436839	NM_017405	Lsr	54135	lipolysis stimulated lipoprotein receptor	4.23	1.77	0.13
A_51_P397296	NM_028584	Marveld3	73608	MARVEL (membrane-associating) domain containing 3	2.95	1.77	0.93
A_51_P336874	NM_025272	Atp6v0e	11974	ATPase, H+ transporting, lysosomal V0 subunit E	4.71	1.77	0.06
A_51_P267544	NM_013522	Frg1	14300	FSHD region gene 1	4.06	1.77	0.16
A_51_P367772	NM_026157	Mtpap	67440	mitochondrial poly(A) polymerase	3.28	1.77	0.53
A_52_P418724	NM_001039	Morf4l1	21761	mortality factor 4 like 1	3.14	1.77	0.67
A_52_P299974	NM_010233	Fn1	14268	fibronectin 1	5.97	1.77	0.00
A_52_P275354	XM_895142	NA	NA	NA	4.14	1.77	0.14
A_51_P496491	NM_028031	Zdhhc13	243983	zinc finger, DHHC domain containing 13	2.98	1.77	0.87
A_51_P327001	AK032374	Alkbh8	67667	alkB, alkylation repair homolog 8 (E. coli)	3.61	1.76	0.31
A_52_P463346	NM_012032	Serinc3	26943	serine incorporator 3	3.21	1.76	0.59
A_52_P286109	NM_172730	C130022K2	232236	RIKEN cDNA C130022K22 gene	3.70	1.76	0.27
A_52_P314985	NA	NA	NA	NA	5.51	1.76	0.00
A_52_P175852	NA	NA	NA	NA	3.01	1.76	0.82
A_52_P470972	NM_011596	Atp6v0a2	21871	ATPase, H+ transporting, lysosomal V0 subunit A2	3.74	1.76	0.26
A_51_P317443	NM_145822	Cd3eap	70333	CD3E antigen, epsilon polypeptide associated protein	3.24	1.76	0.56
A_51_P190765	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	4.25	1.76	0.13
A_51_P338397	NM_026145	Kctd10	330171	potassium channel tetramerisation domain containing 1C	3.29	1.76	0.52
A_51_P384499	NM_007590	Calm3	12315	calmodulin 3	3.01	1.76	0.81
A_51_P518592	NM_139227	Atxn7	246103	ataxin 7	3.56	1.76	0.35
A_52_P418734	NM_025739	Rnf220	66743	ring finger protein 220	4.17	1.76	0.12
A_51_P127756	NM_017397	Ddx20	53975	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	3.13	1.76	0.68
A_51_P137150	NM_144831	Dhx8	217207	DEAH (Asp-Glu-Ala-His) box polypeptide 8	3.03	1.75	0.79
A_52_P107354	NM_026030	Eif2s2	67204	eukaryotic translation initiation factor 2, subunit 2 (beta)	3.00	1.75	0.85
A_52_P565940	NM_008739	Nsd1	18193	nuclear receptor-binding SET-domain protein 1	3.33	1.75	0.48
A_52_P123665	NM_029929	Vps33a	77573	vacuolar protein sorting 33A (yeast)	3.43	1.75	0.40
A_51_P216147	NM_007927	Emd	13726	emerin	3.94	1.75	0.19
A_52_P456617	NM_001039	Plekhh3	241075	pleckstrin homology domain containing, family M, memb	3.13	1.75	0.67

A_52_P83913	NM_138744	Ssx2ip	99167	synovial sarcoma, X breakpoint 2 interacting protein	2.95	1.75	0.93
A_52_P256569	NM_026797	Dbnidd2	52840	dysbindin (dystrobrevin binding protein 1) domain contai	4.63	1.75	0.05
A_51_P320626	AK038228	NA	NA	NA	3.33	1.75	0.49
A_51_P500424	NM_133763	Dnttip1	76233	deoxynucleotidyltransferase, terminal, interacting protei	3.67	1.75	0.28
A_52_P205991	NM_008142	Gnb1	14688	guanine nucleotide binding protein (G protein), beta 1	3.04	1.75	0.78
A_52_P10254	NM_011874	Psmc4	23996	proteasome (prosome, macropain) 26S subunit, ATPase,	3.32	1.75	0.49
A_52_P309044	NM_001012:	Ccdc55	237859	coiled-coil domain containing 55	3.07	1.75	0.74
A_52_P552893	NM_026676	0610007P2	68327	RIKEN cDNA 0610007P22 gene	3.70	1.74	0.27
A_52_P553673	BC061503	Ttc17	74569	tetratricopeptide repeat domain 17	4.02	1.74	0.18
A_52_P142346	NA	NA	NA	NA	3.67	1.74	0.29
A_52_P90265	NM_011671	Ucp2	22228	uncoupling protein 2 (mitochondrial, proton carrier)	3.47	1.74	0.39
A_51_P355820	BC027683	Zfp688	69234	zinc finger protein 688	3.48	1.74	0.37
A_51_P240864	NM_029012	Sppl3	74585	signal peptide peptidase 3	3.94	1.74	0.19
A_52_P591204	NM_134155	Brms1	107392	breast cancer metastasis-suppressor 1	3.51	1.74	0.36
A_51_P463428	NM_178149	Pik3ip1	216505	phosphoinositide-3-kinase interacting protein 1	4.63	1.74	0.05
A_51_P302550	NA	NA	NA	NA	5.07	1.74	0.00
A_51_P241111	NM_133884	Gpn2	100210	GPN-loop GTPase 2	3.24	1.74	0.56
A_51_P455027	NM_026932	Ebna1bp2	69072	EBNA1 binding protein 2	3.19	1.74	0.62
A_52_P432685	NM_146012	Ctdsp2	52468	CTD (carboxy-terminal domain, RNA polymerase II, polyp	3.11	1.74	0.70
A_51_P213459	AK046920	Asb7	117589	ankyrin repeat and SOCS box-containing 7	3.44	1.74	0.40
A_51_P406365	NM_026859	Maf1	68877	MAF1 homolog (<i>S. cerevisiae</i>)	3.27	1.74	0.53
A_52_P105890	XR_003089	NA	NA	NA	3.12	1.74	0.68
A_51_P273513	NM_177263	Zhx3	320799	zinc fingers and homeoboxes 3	5.20	1.73	0.00
A_51_P390314	AK165554	Wdfy1	69368	WD repeat and FYVE domain containing 1	3.32	1.73	0.49
A_51_P242767	NM_153582	Cmtm4	97487	CKLF-like MARVEL transmembrane domain containing 4	5.03	1.73	0.08
A_51_P393524	NM_009070	Rnps1	19826	ribonucleic acid binding protein S1	3.05	1.73	0.76
A_51_P450957	NM_007392	Acta2	11475	actin, alpha 2, smooth muscle, aorta	3.29	1.73	0.52
A_51_P359018	NM_011841	Mapk7	23939	mitogen-activated protein kinase 7	3.44	1.73	0.40
A_52_P266997	NA	NA	NA	NA	3.19	1.73	0.62
A_51_P199175	AK002390	2700038G2	67194	RIKEN cDNA 2700038G22 gene	3.92	1.73	0.19
A_52_P337716	NA	NA	NA	NA	3.12	1.73	0.70
A_51_P275077	NM_021332	Glp1r	14652	glucagon-like peptide 1 receptor	3.52	1.73	0.34
A_51_P332652	NM_172574	Pqlc3	217430	PQ loop repeat containing	4.33	1.73	0.11
A_51_P481191	NM_027382	Hdac8	70315	histone deacetylase 8	3.89	1.73	0.21

A_51_P511529	NM_175311	Zfp513	101023	zinc finger protein 513	3.35	1.73	0.47
A_51_P193669	NM_133801	Gtf2f1	98053	general transcription factor IIF, polypeptide 1	3.55	1.73	0.34
A_51_P427432	NM_080289	Grhpr	76238	glyoxylate reductase/hydroxypyruvate reductase	5.47	1.73	0.00
A_51_P181772	NM_011212	Ptpre	19267	protein tyrosine phosphatase, receptor type, E	3.38	1.73	0.44
A_52_P360552	NM_029777	Rhbdd1	76867	rhomboid domain containing 1	4.10	1.73	0.14
A_51_P389957	NM_016758	Rgs14	51791	regulator of G-protein signaling 14	4.98	1.73	0.08
A_52_P335548	NM_025824	Bzw1	66882	basic leucine zipper and W2 domains 1	3.57	1.73	0.33
A_51_P352140	NM_001013	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	3.47	1.73	0.38
A_52_P241599	NM_026034	Armc10	67211	armadillo repeat containing 10	3.04	1.73	0.79
A_51_P397493	NM_017401	Polm	54125	polymerase (DNA directed), mu	4.64	1.73	0.05
A_52_P261184	AK085780	Il1rl2	107527	interleukin 1 receptor-like 2	2.92	1.72	0.96
A_52_P100381	BC051084	Zbtb42	382639	zinc finger and BTB domain containing 42	3.03	1.72	0.79
A_52_P468937	NM_011743	Zfp106	20402	zinc finger protein 106	2.98	1.72	0.87
A_51_P192130	NM_009288	Stk10	20868	serine/threonine kinase 10	5.41	1.72	0.00
A_51_P375267	U58884	Dbnl	13169	drebrin-like	4.89	1.72	0.07
A_51_P420918	NM_020498	Ly6i	57248	lymphocyte antigen 6 complex, locus I	3.77	1.72	0.25
A_51_P227090	NM_019511	Ramp3	56089	receptor (calcitonin) activity modifying protein 3	3.64	1.72	0.31
A_51_P119106	NM_008774	Pabpc1	18458	poly(A) binding protein, cytoplasmic 1	3.94	1.72	0.19
A_51_P493915	NM_011973	Stk30	26448	serine/threonine kinase 30	3.11	1.72	0.70
A_52_P525837	NM_175113	Trmt6	66926	tRNA methyltransferase 6 homolog (<i>S. cerevisiae</i>)	3.45	1.72	0.40
A_51_P203850	AK019727	4930539H178188		RIKEN cDNA 4930539H15 gene	3.65	1.72	0.30
A_52_P488200	NM_026269	1110007L1 67604		RIKEN cDNA 1110007L15 gene	3.26	1.72	0.53
A_52_P73559	XM_914588	Gm7241	638532	predicted gene 7241	3.13	1.72	0.68
A_51_P267370	NM_022417	Itm2c	64294	integral membrane protein 2C	6.73	1.72	0.00
A_51_P220370	NM_133751	NA	NA	NA	2.91	1.72	0.98
A_51_P190667	NM_130860	Cdk9	107951	cyclin-dependent kinase 9 (CDC2-related kinase)	2.95	1.72	0.93
A_51_P359017	NM_011841	Mapk7	23939	mitogen-activated protein kinase 7	3.84	1.71	0.22
A_51_P321580	NM_011873	Dazap2	23994	DAZ associated protein 2	4.01	1.71	0.18
A_52_P418884	NM_017464	Nedd9	18003	neural precursor cell expressed, developmentally down-r	3.77	1.71	0.25
A_52_P686701	NM_028728	Nfam1	74039	Nfat activating molecule with ITAM motif 1	3.91	1.71	0.21
A_52_P375764	NM_009444	Tgoln2	22135	trans-golgi network protein 2	3.89	1.71	0.21
A_52_P385229	NM_030690	Rai14	75646	retinoic acid induced 14	5.75	1.71	0.00
A_52_P149250	NM_012042	Cul1	26965	cullin 1	3.95	1.71	0.19
A_51_P392209	NM_146253	Zbtb6	241322	zinc finger and BTB domain containing 6	3.23	1.71	0.58

A_52_P364776	NM_008563	Mcm3	17215	minichromosome maintenance deficient 3 (<i>S. cerevisiae</i>)	4.18	1.71	0.12
A_52_P144917	NM_029756	Sdccag8	76816	serologically defined colon cancer antigen 8	3.02	1.71	0.79
A_52_P601914	NM_146075	Lemd2	224640	LEM domain containing 2	3.25	1.71	0.55
A_51_P243532	NM_019755	Plp2	18824	proteolipid protein 2	3.59	1.71	0.32
A_51_P136845	NM_027804	Usp19	71472	ubiquitin specific peptidase 19	3.77	1.71	0.25
A_52_P641147	NM_146002	Rhbdd2	215160	rhomboid domain containing 2	5.02	1.71	0.08
A_52_P1189114	NA	NA	NA	NA	3.32	1.71	0.49
A_52_P566316	AK160272	2310015A169548		RIKEN cDNA 2310015A10 gene	3.01	1.71	0.82
A_51_P133651	NM_031391	Gtf2a1	83602	general transcription factor II A, 1	3.12	1.71	0.70
A_51_P385849	NM_177307	Cyp4f39	320997	cytochrome P450, family 4, subfamily f, polypeptide 39	3.63	1.70	0.31
A_52_P125494	NM_199017	9230110C1234912		RIKEN cDNA 9230110C19 gene	5.45	1.70	0.00
A_51_P195153	NM_013882	Gtse1	29870	G two S phase expressed protein 1	4.08	1.70	0.16
A_51_P417186	NM_020483	Sap30bp	57230	SAP30 binding protein	3.14	1.70	0.67
A_51_P382500	AK147562	Dip2b	239667	DIP2 disco-interacting protein 2 homolog B (<i>Drosophila</i>)	3.21	1.70	0.59
A_52_P392517	NM_080708	Bmp2k	140780	BMP2 inducible kinase	2.97	1.70	0.89
A_51_P369683	NM_007842	Dhx9	13211	DEAH (Asp-Glu-Ala-His) box polypeptide 9	4.17	1.70	0.12
A_51_P507053	NM_134086	Slc38a1	105727	solute carrier family 38, member 1	4.30	1.70	0.11
A_52_P189449	NM_023743	Eif4enif1	74203	eukaryotic translation initiation factor 4E nuclear import	3.18	1.70	0.62
A_51_P488626	NM_030131	Cnih4	98417	cornichon homolog 4 (<i>Drosophila</i>)	4.13	1.70	0.14
A_52_P558087	NM_026173	1200014M67463		RIKEN cDNA 1200014M14 gene	3.18	1.70	0.62
A_51_P155522	NM_008945	Psmb4	19172	proteasome (prosome, macropain) subunit, beta type 4	3.78	1.70	0.25
A_52_P607674	NM_015817	Ppap2c	50784	phosphatidic acid phosphatase type 2C	5.88	1.70	0.00
A_52_P665335	NM_133998	1810008A1108707		RIKEN cDNA 1810008A18 gene	4.91	1.70	0.07
A_51_P419571	NM_027101	Polr2d	69241	polymerase (RNA) II (DNA directed) polypeptide D	3.57	1.70	0.33
A_52_P351638	NM_020275	Tnfrsf10b	21933	tumor necrosis factor receptor superfamily, member 10b	3.75	1.70	0.26
A_52_P572284	NM_008640	Laptm4a	17775	lysosomal-associated protein transmembrane 4A	3.15	1.70	0.66
A_52_P557995	NM_025602	Ccdc59	52713	coiled-coil domain containing 59	3.70	1.70	0.28
A_52_P335178	NM_011073	Prf1	18646	perforin 1 (pore forming protein)	3.04	1.70	0.78
A_51_P325836	NM_017371	Hpx	15458	hemopexin	3.76	1.70	0.26
A_51_P297778	NM_194344	Sh3tc1	231147	SH3 domain and tetratricopeptide repeats 1	2.90	1.69	0.99
A_51_P473229	NM_009565	Zbtb7b	22724	zinc finger and BTB domain containing 7B	3.16	1.69	0.65
A_52_P262914	NM_024215	Zfp593	68040	zinc finger protein 593	3.41	1.69	0.43
A_51_P117226	NA	NA	NA	NA	4.49	1.69	0.09
A_52_P627177	NM_010833	Msn	17698	moesin	5.59	1.69	0.00

A_52_P628928	NM_001002	Smg6	103677	Smg-6 homolog, nonsense mediated mRNA decay factor	3.34	1.69	0.47
A_52_P83905	NM_007885	Slc26a2	13521	solute carrier family 26 (sulfate transporter), member 2	3.10	1.69	0.70
A_52_P647488	XM_898393	NA	NA	NA	3.84	1.69	0.22
A_52_P496870	NM_025521	2310011J0	66374	RIKEN cDNA 2310011J03 gene	4.30	1.69	0.11
A_51_P439824	NM_018771	Gipc1	67903	GIPC PDZ domain containing family, member 1	3.28	1.69	0.52
A_52_P253004	NM_022327	Ralb	64143	v-ral simian leukemia viral oncogene homolog B (ras relat	3.68	1.69	0.29
A_52_P380502	NM_201385	Plec	18810	plectin	4.89	1.69	0.07
A_51_P133037	NM_008889	Ppp1r14b	18938	protein phosphatase 1, regulatory (inhibitor) subunit 14B	3.21	1.69	0.59
A_51_P443723	NM_211358	Slc35c1	228368	solute carrier family 35, member C1	3.23	1.69	0.56
A_51_P238803	XM_620178	NA	NA	NA	4.40	1.69	0.10
A_52_P402577	NM_024181	Dnajc10	66861	Dnaj (Hsp40) homolog, subfamily C, member 10	4.54	1.69	0.09
A_51_P340704	NM_027328	Prpf31	68988	PRP31 pre-mRNA processing factor 31 homolog (yeast)	3.29	1.69	0.52
A_52_P418056	NM_207209	Sec24b	99683	Sec24 related gene family, member B (<i>S. cerevisiae</i>)	3.66	1.69	0.29
A_51_P369636	NM_026115	Hat1	107435	histone aminotransferase 1	4.34	1.69	0.11
A_52_P421805	NM_025830	Wwp2	66894	WW domain containing E3 ubiquitin protein ligase 2	3.67	1.69	0.29
A_51_P336060	NM_008490	Lcat	16816	lecithin cholesterol acyltransferase	4.63	1.69	0.05
A_51_P502724	XM_283903	Fam102b	329739	family with sequence similarity 102, member B	3.85	1.69	0.22
A_52_P214042	NM_028125	Zbtb46	72147	zinc finger and BTB domain containing 46	2.92	1.69	0.96
A_52_P232346	NA	NA	NA	NA	2.98	1.68	0.89
A_51_P176517	NM_170592	Mettl11a	66617	methyltransferase like 11A	3.93	1.68	0.19
A_52_P338039	NM_178613	4933433P1	66787	RIKEN cDNA 4933433P14 gene	3.15	1.68	0.66
A_51_P454207	NM_008679	Ncoa3	17979	nuclear receptor coactivator 3	3.74	1.68	0.26
A_52_P115787	NM_010345	Grb10	14783	growth factor receptor bound protein 10	3.37	1.68	0.45
A_52_P574190	NM_025894	Psmc12	66997	proteasome (prosome, macropain) 26S subunit, non-ATP	2.96	1.68	0.92
A_52_P549184	NM_178712	Gpr64	237175	G protein-coupled receptor 64	3.64	1.68	0.31
A_52_P508167	NM_010093	E2f3	13557	E2F transcription factor 3	3.35	1.68	0.47
A_51_P474688	NM_027236	Eif1ad	69860	eukaryotic translation initiation factor 1A domain contain	3.31	1.68	0.50
A_52_P621991	NM_001042	Apaf1	11783	apoptotic peptidase activating factor 1	3.24	1.68	0.56
A_51_P133684	NM_013808	Csrp3	13009	cysteine and glycine-rich protein 3	2.97	1.68	0.89
A_51_P460734	NM_011103	Prkcd	18753	protein kinase C, delta	3.24	1.68	0.56
A_51_P389386	NM_026746	Nsmce2	68501	non-SMC element 2 homolog (MMS21, <i>S. cerevisiae</i>)	2.99	1.68	0.85
A_52_P595476	NM_183390	Klhl6	239743	kelch-like 6 (<i>Drosophila</i>)	3.41	1.68	0.43
A_52_P381303	BC082565	Gins2	272551	GINS complex subunit 2 (Psf2 homolog)	4.99	1.68	0.08
A_52_P852090	AK086611	Gm6288	622129	predicted gene 6288	3.07	1.68	0.75

A_51_P291227	NM_001005!	Arhgap30	226652	Rho GTPase activating protein 30	3.72	1.68	0.27
A_51_P179131	AK157021	Vasp	22323	vasodilator-stimulated phosphoprotein	3.03	1.68	0.79
A_51_P446731	XM_982789	NA	NA	NA	4.01	1.67	0.18
A_51_P396273	NM_010937	Nras	18176	neuroblastoma ras oncogene	3.26	1.67	0.53
A_52_P58024	XR_002833	NA	NA	NA	3.71	1.67	0.28
A_52_P54008	NM_019973	Son	20658	Son DNA binding protein	2.95	1.67	0.93
A_52_P654618	NM_001005:	Znhit3	448850	zinc finger, HIT type 3	4.53	1.67	0.09
A_52_P231714	NM_013497	Creb3	12913	cAMP responsive element binding protein 3	3.10	1.67	0.70
A_51_P259555	NM_172876	Gpatch3	242691	G patch domain containing 3	3.44	1.67	0.40
A_52_P33593	NM_032544	Gtpbp3	70359	GTP binding protein 3	2.92	1.67	0.96
A_52_P162538	AK172123	Chmp6	208092	chromatin modifying protein 6	4.95	1.67	0.07
A_52_P668903	NA	NA	NA	NA	3.06	1.67	0.75
A_52_P395290	NM_028814	2810403AC	74200	RIKEN cDNA 2810403A07 gene	4.19	1.67	0.13
A_51_P469008	NM_010119	Ehd1	13660	EH-domain containing 1	3.25	1.66	0.56
A_51_P116421	NM_013790	Abcc5	27416	ATP-binding cassette, sub-family C (CFTR/MRP), member	3.21	1.66	0.58
A_52_P373369	NM_007905	Phc1	13619	polyhomeotic-like 1 (Drosophila)	3.20	1.66	0.60
A_52_P71869	NM_201389	Plec	18810	plectin	3.23	1.66	0.58
A_51_P423444	NM_199448	Fez2	225020	fasciculation and elongation protein zeta 2 (zygin II)	3.96	1.66	0.17
A_52_P18665	NM_025772	Dtnbp1	94245	dystrobrevin binding protein 1	3.31	1.66	0.49
A_51_P259638	AK047380	LOC14210	14210	hypothetical LOC14210	3.27	1.66	0.53
A_52_P181235	NM_025917	Use1	67023	unconventional SNARE in the ER 1 homolog (S. cerevisiae)	4.35	1.66	0.11
A_52_P384392	NM_023910	Tsc22d4	78829	TSC22 domain family, member 4	3.03	1.66	0.79
A_51_P101576	NM_018875	Snx12	55988	sorting nexin 12	3.29	1.66	0.52
A_51_P432538	NM_010397	H2-T22	15039	histocompatibility 2, T region locus 22	3.80	1.66	0.24
A_51_P364146	NM_010699	Ldha	16828	lactate dehydrogenase A	2.94	1.66	0.93
A_51_P416243	NM_019393	Exosc9	50911	exosome component 9	2.96	1.66	0.91
A_52_P61758	NM_027008	Kctd5	69259	potassium channel tetramerisation domain containing 5	3.59	1.66	0.32
A_51_P106868	NM_013901	Slc39a1	30791	solute carrier family 39 (zinc transporter), member 1	3.96	1.66	0.17
A_52_P319591	NM_017477	Copg	54161	coatamer protein complex, subunit gamma	3.53	1.66	0.34
A_52_P635338	NM_010194	Fes	14159	feline sarcoma oncogene	2.98	1.66	0.89
A_51_P433430	NM_007905	Phc1	13619	polyhomeotic-like 1 (Drosophila)	3.62	1.65	0.31
A_51_P195573	NM_010066	Dnmt1	13433	DNA methyltransferase (cytosine-5) 1	4.22	1.65	0.13
A_51_P413866	NM_008198	Cfb	14962	complement factor B	4.59	1.65	0.10
A_51_P410022	NM_026660	Mfsd10	68294	major facilitator superfamily domain containing 10	4.50	1.65	0.09

A_52_P1141039	AW550460	NA	NA	NA	3.36	1.65	0.46
A_51_P178585	NM_016775	Dnajc5	13002	Dnaj (Hsp40) homolog, subfamily C, member 5	3.83	1.65	0.23
A_51_P120097	NM_001034	Ppp2r1b	73699	protein phosphatase 2 (formerly 2A), regulatory subunit	3.58	1.65	0.32
A_52_P495453	NM_030714	Dtx3	80904	deltex 3 homolog (Drosophila)	3.75	1.65	0.26
A_52_P205055	XR_003742	NA	NA	NA	3.14	1.65	0.67
A_52_P262883	NM_008889	Ppp1r14b	18938	protein phosphatase 1, regulatory (inhibitor) subunit 14B	3.35	1.65	0.46
A_51_P179041	D87966	Tead4	21679	TEA domain family member 4	3.53	1.65	0.34
A_51_P305956	NM_013501	Cryaa	12954	crystallin, alpha A	3.64	1.65	0.30
A_52_P418644	NM_019755	Plp2	18824	proteolipid protein 2	3.77	1.65	0.25
A_52_P281941	NM_178395	Zdhhc2	70546	zinc finger, DHHC domain containing 2	4.47	1.64	0.08
A_52_P885203	CF582774	Rnasel	24014	ribonuclease L (2', 5'-oligoadenylate synthetase-deper	3.04	1.64	0.79
A_52_P250433	AK045684	B230303O1	319739	RIKEN cDNA B230303O12 gene	3.05	1.64	0.76
A_52_P219314	NM_009499	Vasp	22323	vasodilator-stimulated phosphoprotein	3.03	1.64	0.79
A_51_P140942	NM_018739	rp9	55934	retinitis pigmentosa 9 (human)	3.62	1.64	0.31
A_51_P349023	NM_026309	Lsm3	67678	LSM3 homolog, U6 small nuclear RNA associated (S. cere	3.40	1.64	0.42
A_51_P415220	NM_009517	Zmat3	22401	zinc finger matrin type 3	4.32	1.64	0.11
A_52_P309657	NA	NA	NA	NA	3.34	1.64	0.48
A_51_P153787	NM_028632	Fcf1	73736	FCF1 small subunit (SSU) processome component homolog	3.26	1.64	0.53
A_52_P253748	NM_001024	Zbtb45	232879	zinc finger and BTB domain containing 45	3.16	1.64	0.65
A_52_P198993	NM_133847	Tm9sf4	99237	transmembrane 9 superfamily protein member 4	2.91	1.64	0.99
A_52_P319581	NM_001037	Tcf25	66855	transcription factor 25 (basic helix-loop-helix)	2.94	1.64	0.93
A_52_P182118	NA	NA	NA	NA	3.82	1.64	0.24
A_51_P181227	NM_001038	Smurf1	75788	SMAD specific E3 ubiquitin protein ligase 1	3.08	1.64	0.72
A_52_P630502	NM_023200	Ppp1r7	66385	protein phosphatase 1, regulatory (inhibitor) subunit 7	3.91	1.64	0.21
A_52_P676108	NM_027187	Rnaseh2a	69724	ribonuclease H2, large subunit	3.12	1.64	0.70
A_52_P502754	NM_009667	Ampd3	11717	adenosine monophosphate deaminase 3	6.51	1.64	0.00
A_51_P221460	NM_025661	Ormdl3	66612	ORM1-like 3 (S. cerevisiae)	3.07	1.64	0.74
A_51_P370510	NM_145450	BC022687	217887	cDNA sequence BC022687	3.45	1.63	0.40
A_52_P81270	NM_008397	Itga6	16403	integrin alpha 6	4.48	1.63	0.09
A_52_P301166	NM_013634	Med1	19014	mediator complex subunit 1	3.41	1.63	0.43
A_51_P148037	NM_177364	Sh3pxd2b	268396	SH3 and PX domains 2B	3.38	1.63	0.45
A_52_P277139	NM_030886	Ankrd17	81702	ankyrin repeat domain 17	3.03	1.63	0.79
A_52_P661672	XM_915447	NA	NA	NA	4.54	1.63	0.09
A_51_P235311	NM_009438	Rpl13a	22121	ribosomal protein L13A	3.52	1.63	0.34

A_51_P493234	NM_007752	Cp	12870	ceruloplasmin	4.57	1.63	0.09
A_52_P325797	NA	NA	NA	NA	3.09	1.63	0.71
A_52_P447031	NM_001039:	Morf4l1	21761	mortality factor 4 like 1	3.05	1.63	0.76
A_51_P149325	NM_026545	Psm8	57296	proteasome (prosome, macropain) 26S subunit, non-ATP	3.13	1.63	0.67
A_51_P163867	NM_146081	Ppp4r1	70351	protein phosphatase 4, regulatory subunit 1	3.68	1.63	0.29
A_52_P384158	NM_177239	Mysm1	320713	myb-like, SWIRM and MPN domains 1	3.47	1.63	0.39
A_52_P252469	NM_133927	Itfg2	101142	integrin alpha FG-GAP repeat containing 2	3.47	1.63	0.39
A_52_P29513	NM_026602	Bcas2	68183	breast carcinoma amplified sequence 2	3.39	1.63	0.44
A_52_P225308	NM_026944	Alkbh3	69113	alkB, alkylation repair homolog 3 (E. coli)	3.10	1.63	0.70
A_51_P436051	NM_025383	Necap2	66147	NECAP endocytosis associated 2	4.81	1.62	0.06
A_52_P82510	NM_008707	Nmt1	18107	N-myristoyltransferase 1	3.15	1.62	0.66
A_51_P161874	NM_027212	Med30	69790	mediator complex subunit 30	4.93	1.62	0.07
A_52_P625940	NM_027988	Noxo1	71893	NADPH oxidase organizer 1	3.73	1.62	0.26
A_52_P615274	NM_026001	Rnaseh2b	67153	ribonuclease H2, subunit B	4.96	1.62	0.07
A_51_P143528	NM_183014	Zfp184	193452	zinc finger protein 184 (Kruppel-like)	4.12	1.62	0.14
A_51_P297799	NM_001015:	Rap1gap2	380711	RAP1 GTPase activating protein 2	3.56	1.62	0.35
A_51_P410830	AK145471	Upf3a	67031	UPF3 regulator of nonsense transcripts homolog A (yeast)	3.72	1.62	0.27
A_52_P671543	NM_008895	Pomc	18976	pro-opiomelanocortin-alpha	4.21	1.62	0.13
A_51_P487219	BC079536	Cep110	26920	centrosomal protein 110	3.42	1.62	0.42
A_52_P89884	NM_001007:	Fndc3c1	333564	fibronectin type III domain containing 3C1	3.43	1.62	0.40
A_51_P486190	NM_011033	Pabpc2	18459	poly(A) binding protein, cytoplasmic 2	3.13	1.62	0.67
A_52_P56394	DV058987	Psmg4	69666	proteasome (prosome, macropain) assembly chaperone	3.64	1.62	0.31
A_52_P413034	NM_008398	Itga7	16404	integrin alpha 7	3.25	1.62	0.55
A_52_P283119	AK164904	Surf6	20935	surfeit gene 6	5.80	1.62	0.00
A_51_P406008	NM_021555	Brp16	59053	brain protein 16	3.60	1.62	0.32
A_51_P514684	NM_026518	Rnf146	68031	ring finger protein 146	3.52	1.62	0.35
A_52_P439995	NM_001039:	Rab43	69834	RAB43, member RAS oncogene family	3.08	1.62	0.71
A_51_P364786	NM_024187	U2af1	108121	U2 small nuclear ribonucleoprotein auxiliary factor (U2Af)	3.34	1.62	0.48
A_52_P763562	XM_146893	Zc3h12c	244871	zinc finger CCCH type containing 12C	3.19	1.62	0.62
A_51_P129767	NM_019824	Arpc3	56378	actin related protein 2/3 complex, subunit 3	3.63	1.62	0.31
A_51_P466490	NM_146205	Armc5	233912	armadillo repeat containing 5	3.31	1.62	0.49
A_52_P526396	NM_178628	Atl1	73991	atlastin GTPase 1	3.22	1.62	0.58
A_51_P437559	NM_011589	Timeless	21853	timeless homolog (Drosophila)	2.92	1.61	0.98
A_51_P343913	XM_994286	Parp4	328417	poly (ADP-ribose) polymerase family, member 4	3.32	1.61	0.49

A_51_P372504	NM_172833	Malt1	240354	mucosa associated lymphoid tissue lymphoma translocat	3.16	1.61	0.65
A_51_P385054	NM_011035	Pak1	18479	p21 protein (Cdc42/Rac)-activated kinase 1	4.60	1.61	0.10
A_52_P221057	NA	NA	NA	NA	3.49	1.61	0.38
A_51_P318371	NM_172480	Mtrr	210009	5-methyltetrahydrofolate-homocysteine methyltransfera	3.58	1.61	0.33
A_51_P435348	NM_145586	Tmem159	233806	transmembrane protein 159	3.38	1.61	0.45
A_51_P100787	AX775977	Snw1	66354	SNW domain containing 1	4.49	1.61	0.09
A_52_P19016	NM_016680	Sfrs16	53609	splicing factor, arginine/serine-rich 16	2.92	1.61	0.98
A_52_P337821	AK139584	Eif1a	13664	eukaryotic translation initiation factor 1A	2.89	1.61	1.02
A_52_P161339	NM_026164	Pnpla8	67452	patatin-like phospholipase domain containing 8	3.11	1.61	0.70
A_52_P54274	AK043055	Masp1	17174	mannan-binding lectin serine peptidase 1	3.89	1.61	0.21
A_52_P374669	XM_359326	Kdm5a	214899	lysine (K)-specific demethylase 5A	2.99	1.61	0.87
A_52_P508397	AK140938	1810026B0	69170	RIKEN cDNA 1810026B05 gene	3.29	1.61	0.52
A_51_P232778	NM_019661	Ykt6	56418	YKT6 homolog (S. Cerevisiae)	4.33	1.61	0.11
A_52_P135707	NM_013497	Creb3	12913	cAMP responsive element binding protein 3	3.63	1.61	0.31
A_51_P311945	NM_010952	Oaz2	18247	ornithine decarboxylase antizyme 2	3.09	1.61	0.71
A_51_P372312	NM_025317	Mrpl54	66047	mitochondrial ribosomal protein L54	4.68	1.60	0.05
A_52_P111866	NM_028108	Naa50	72117	N(alpha)-acetyltransferase 50, NatE catalytic subunit	3.54	1.60	0.34
A_52_P518160	NM_016722	Galns	50917	galactosamine (N-acetyl)-6-sulfate sulfatase	3.05	1.60	0.76
A_51_P260721	NM_016902	Nphp1	53885	nephronophthisis 1 (juvenile) homolog (human)	3.39	1.60	0.44
A_51_P217967	NM_024461	181003711	67704	RIKEN cDNA 1810037117 gene	3.82	1.60	0.24
A_52_P378629	AK032099	Dmxl2	235380	Dmx-like 2	3.03	1.60	0.79
A_51_P324923	NM_008549	Man2a1	17158	mannosidase 2, alpha 1	3.08	1.60	0.72
A_52_P423296	NM_199314	Serpina11	380780	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 ;	4.27	1.60	0.10
A_51_P388847	NM_145934	Stap2	106766	signal transducing adaptor family member 2	3.14	1.60	0.67
A_52_P448994	AK086129	Col4a1	12826	collagen, type IV, alpha 1	4.92	1.60	0.07
A_52_P577019	NM_170669	Rps15a	267019	ribosomal protein S15A	5.20	1.60	0.00
A_52_P4347	NM_145125	Brwd1	93871	bromodomain and WD repeat domain containing 1	3.87	1.60	0.22
A_51_P154679	NM_173186	Tbc1d24	224617	TBC1 domain family, member 24	3.41	1.60	0.42
A_52_P121131	AK033284	4930534B0	75216	RIKEN cDNA 4930534B04 gene	3.43	1.60	0.40
A_51_P434859	XM_890447	Mllt4	17356	myeloid/lymphoid or mixed-lineage leukemia (trithorax l	2.92	1.60	0.96
A_52_P284470	NM_028156	1700001P0	72215	RIKEN cDNA 1700001P01 gene	3.04	1.60	0.78
A_52_P74427	NM_028152	Mms19	72199	MMS19 (MET18 S. cerevisiae)	3.75	1.60	0.26
A_52_P37665	NM_025872	Golt1b	66964	golgi transport 1 homolog B (S. cerevisiae)	3.97	1.60	0.17
A_52_P282729	NM_007658	Cdc25a	12530	cell division cycle 25 homolog A (S. pombe)	2.93	1.60	0.95

A_52_P313279	NM_001034!	NA	NA	NA	4.77	1.60	0.06
A_52_P289256	XM_139711	Arid1b	239985	AT rich interactive domain 1B (SWI-like)	4.34	1.59	0.11
A_51_P377760	NM_011882	Rnasel	24014	ribonuclease L (2', 5'-oligoadenylate synthetase-deper	3.28	1.59	0.53
A_52_P220547	NM_178686	Cep120	225523	centrosomal protein 120	5.01	1.59	0.08
A_52_P515057	NM_172685	Slc25a24	229731	solute carrier family 25 (mitochondrial carrier, phosphate	3.07	1.59	0.74
A_52_P348799	NM_172253	Twistnb	28071	TWIST neighbor	3.25	1.59	0.55
A_51_P415945	NM_008944	Psma2	19166	proteasome (prosome, macropain) subunit, alpha type 2	3.33	1.59	0.49
A_52_P111715	NM_172451	Galnt6	207839	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acet	3.72	1.59	0.27
A_51_P317076	NM_025917	Use1	67023	unconventional SNARE in the ER 1 homolog (S. cerevisiae	3.03	1.59	0.79
A_51_P327469	NM_026533	Rps13	68052	ribosomal protein S13	3.92	1.59	0.19
A_51_P235002	NM_011598	Fabp9	21884	fatty acid binding protein 9, testis	3.24	1.59	0.56
A_51_P161429	NM_028965	Snx11	74479	sorting nexin 11	3.90	1.59	0.21
A_51_P380514	NM_028751	Tjap1	74094	tight junction associated protein 1	2.91	1.59	0.98
A_51_P199866	NM_023371	Pin1	23988	protein (peptidyl-prolyl cis/trans isomerase) NIMA-intera	3.71	1.59	0.28
A_52_P25567	NM_028761	Parn	74108	poly(A)-specific ribonuclease (deadenylation nuclease)	3.16	1.59	0.65
A_52_P434375	AK163853	Dock1	330662	dedicator of cytokinesis 1	4.09	1.59	0.17
A_51_P411225	NM_153138	Wipf1	215280	WAS/WASL interacting protein family, member 1	4.60	1.59	0.10
A_52_P109959	XR_003150	NA	NA	NA	3.43	1.59	0.40
A_51_P391996	BC011329	Pgd	110208	phosphogluconate dehydrogenase	3.26	1.58	0.53
A_51_P293982	NM_153119	Plekho2	102595	pleckstrin homology domain containing, family O membe	3.12	1.58	0.68
A_51_P123345	NM_007477	Arf2	11841	ADP-ribosylation factor 2	2.99	1.58	0.85
A_51_P214365	AK045173	Zfp280d	235469	zinc finger protein 280D	4.38	1.58	0.11
A_51_P467349	AK048725	Trim62	67525	tripartite motif-containing 62	4.58	1.58	0.09
A_51_P203451	NM_009410	Top3a	21975	topoisomerase (DNA) III alpha	3.15	1.58	0.66
A_52_P458000	NM_178901	AI467606	101602	expressed sequence AI467606	3.62	1.58	0.31
A_52_P405265	NM_133831	Gltscr2	68077	glioma tumor suppressor candidate region gene 2	3.14	1.58	0.67
A_51_P496996	NM_001034!	NA	NA	NA	4.33	1.58	0.11
A_51_P504114	NM_015804	Atp11a	50770	ATPase, class VI, type 11A	4.49	1.58	0.09
A_52_P273438	NA	NA	NA	NA	3.13	1.58	0.68
A_51_P498205	NM_008402	Itgav	16410	integrin alpha V	3.78	1.58	0.25
A_52_P267564	NM_172728	Creb5	231991	cAMP responsive element binding protein 5	3.30	1.58	0.50
A_51_P113722	NM_133940	Fbxl14	101358	F-box and leucine-rich repeat protein 14	3.87	1.58	0.20
A_51_P378550	NM_153122	Oplah	75475	5-oxoprolinase (ATP-hydrolysing)	3.86	1.58	0.22
A_52_P571661	NM_025811	Nhlrc2	66866	NHL repeat containing 2	3.03	1.58	0.79

A_51_P486828	AK173328	C230081A1244895		RIKEN cDNA C230081A13 gene	3.03	1.58	0.79
A_52_P349467	AK051339	Tmlhe	192289	trimethyllysine hydroxylase, epsilon	4.32	1.58	0.11
A_52_P557477	AK129111	Zfp609	214812	zinc finger protein 609	3.25	1.58	0.55
A_51_P396385	NM_175439	Mars2	212679	methionine-tRNA synthetase 2 (mitochondrial)	3.31	1.57	0.49
A_51_P404110	NM_0010771	Fmnl1	57778	formin-like 1	3.12	1.57	0.70
A_51_P284466	NM_023910	Tsc22d4	78829	TSC22 domain family, member 4	3.57	1.57	0.33
A_52_P396498	NM_010587	Itsn1	16443	intersectin 1 (SH3 domain protein 1A)	2.95	1.57	0.92
A_51_P404339	NM_025588	Exoc2	66482	exocyst complex component 2	2.90	1.57	0.99
A_51_P436719	NM_011431	Eftud2	20624	elongation factor Tu GTP binding domain containing 2	3.73	1.57	0.26
A_52_P493882	AK088929	NA	NA	NA	3.05	1.57	0.76
A_51_P230878	U83902	Mad2l1	56150	MAD2 mitotic arrest deficient-like 1 (yeast)	4.05	1.57	0.16
A_51_P164270	NM_021336	Snrpa1	68981	small nuclear ribonucleoprotein polypeptide A'	7.26	1.57	0.00
A_51_P483839	NM_016706	Coil	12812	coilin	3.14	1.57	0.67
A_52_P589119	NM_197981	5930416119	72440	RIKEN cDNA 5930416119 gene	5.14	1.57	0.00
A_51_P373619	NM_010775	Mbl1	17194	mannose-binding lectin (protein A) 1	3.17	1.57	0.63
A_52_P27576	AK050247	Stxbp3a	20912	syntaxin binding protein 3A	3.45	1.57	0.40
A_52_P564962	NA	NA	NA	NA	3.90	1.57	0.21
A_51_P192589	NM_025443	Pno1	66249	partner of NOB1 homolog (<i>S. cerevisiae</i>)	2.92	1.56	0.96
A_51_P298946	NM_019770	Tmed2	56334	transmembrane emp24 domain trafficking protein 2	3.59	1.56	0.32
A_52_P308448	AK008026	Vps53	68299	vacuolar protein sorting 53 (yeast)	3.05	1.56	0.76
A_52_P252007	NA	NA	NA	NA	3.22	1.56	0.58
A_52_P651078	NM_027226	Fyttd1	69823	forty-two-three domain containing 1	3.04	1.56	0.78
A_51_P267159	AK035942	9030625N01	74542	RIKEN cDNA 9030625N01 gene	3.67	1.56	0.29
A_51_P256202	NM_022325	Ctsz	64138	cathepsin Z	3.81	1.56	0.24
A_51_P295037	NA	NA	NA	NA	3.03	1.56	0.79
A_52_P249611	NM_021313	Rnf25	57751	ring finger protein 25	4.28	1.56	0.10
A_51_P379710	NM_133933	Rpn1	103963	ribophorin I	3.48	1.56	0.39
A_51_P139848	NM_011712	Wbp5	22381	WW domain binding protein 5	2.97	1.56	0.89
A_51_P185775	NM_028873	Dnajc14	74330	Dnaj (Hsp40) homolog, subfamily C, member 14	3.43	1.55	0.40
A_51_P284597	NM_027013	Scnm1	69269	sodium channel modifier 1	2.98	1.55	0.87
A_52_P662873	NM_011182	Cyth3	19159	cytohesin 3	3.47	1.55	0.39
A_51_P195023	NM_144886	Exosc2	227715	exosome component 2	3.52	1.55	0.35
A_51_P371993	NM_026775	Tmed10	68581	transmembrane emp24-like trafficking protein 10 (yeast)	3.16	1.55	0.65
A_52_P550185	NM_026615	Urm1	68205	ubiquitin related modifier 1 homolog (<i>S. cerevisiae</i>)	3.02	1.55	0.79

A_52_P362466	AK019130	Med20	56771	mediator complex subunit 20	3.02	1.55	0.79
A_52_P368650	NM_172503	Zswim4	212168	zinc finger, SWIM domain containing 4	3.46	1.55	0.40
A_52_P403527	NA	NA	NA	NA	3.07	1.55	0.74
A_51_P388432	NM_130889	Anp32b	67628	acidic (leucine-rich) nuclear phosphoprotein 32 family, m	3.96	1.55	0.17
A_52_P273177	NM_008448	Kif5b	16573	kinesin family member 5B	3.77	1.55	0.25
A_51_P235548	NM_177594	Mtmt9	210376	myotubularin related protein 9	4.17	1.55	0.12
A_51_P436534	NM_008971	Twf1	19230	twinfilin, actin-binding protein, homolog 1 (Drosophila)	3.66	1.54	0.28
A_51_P507844	NM_027133	Lnp	69605	limb and neural patterns	4.03	1.54	0.16
A_51_P216758	NM_021529	Ppp2r3c	59032	protein phosphatase 2, regulatory subunit B'', gamma	4.73	1.54	0.06
A_52_P473140	AK156842	Zfp236	329002	zinc finger protein 236	3.33	1.54	0.49
A_51_P435891	NM_020618	Smarce1	57376	SWI/SNF related, matrix associated, actin dependent regi	2.90	1.54	0.99
A_51_P161315	XM_127223	4930448F1	73992	RIKEN cDNA 4930448F12 gene	4.15	1.54	0.15
A_51_P115197	NM_010833	Msn	17698	moesin	4.37	1.54	0.11
A_52_P378406	NM_025517	Rtcd1	66368	RNA terminal phosphate cyclase domain 1	4.38	1.54	0.12
A_51_P267634	NM_178751	Orai2	269717	ORAI calcium release-activated calcium modulator 2	3.80	1.54	0.23
A_52_P174014	NA	NA	NA	NA	3.12	1.54	0.70
A_51_P429372	NM_029669	Dnajc18	76594	DnaJ (Hsp40) homolog, subfamily C, member 18	3.07	1.54	0.74
A_51_P155018	NM_022887	Tsc1	64930	tuberous sclerosis 1	3.05	1.54	0.76
A_51_P211943	NM_023742	Dtx2	74198	deltex 2 homolog (Drosophila)	2.89	1.54	1.02
A_52_P153154	AK005757	4732416N1	320737	RIKEN cDNA 4732416N19 gene	3.95	1.54	0.17
A_52_P611589	NM_021518	Rab2a	59021	RAB2A, member RAS oncogene family	3.38	1.54	0.44
A_52_P329825	NM_011877	Ptpn21	24000	protein tyrosine phosphatase, non-receptor type 21	2.91	1.54	0.98
A_51_P273489	AK133473	Acap1	216859	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	5.48	1.54	0.00
A_52_P430934	NM_033623	Dcun1d1	114893	DCN1, defective in cullin neddylation 1, domain containir	3.54	1.54	0.34
A_52_P682450	NM_016766	Mcrs1	51812	microspherule protein 1	3.60	1.53	0.32
A_51_P474454	NM_026001	Rnaseh2b	67153	ribonuclease H2, subunit B	3.18	1.53	0.62
A_52_P305073	NM_019663	Pias1	56469	protein inhibitor of activated STAT 1	3.37	1.53	0.45
A_52_P520742	BC040811	Rbm28	68272	RNA binding motif protein 28	3.24	1.53	0.56
A_51_P497985	NM_013484	C2	12263	complement component 2 (within H-2S)	2.95	1.53	0.92
A_52_P647408	AK050859	Gspt2	14853	G1 to S phase transition 2	3.09	1.53	0.71
A_51_P201276	NM_145455	Btf3	218490	basic transcription factor 3	3.28	1.53	0.53
A_52_P394652	NM_011445	Sox6	20679	SRY-box containing gene 6	3.13	1.53	0.68
A_52_P288312	NA	NA	NA	NA	3.49	1.53	0.38
A_52_P173860	NM_177673	BC046331	230967	cDNA sequence BC046331	3.54	1.53	0.34

A_52_P226348	AK089514	F730043M:320046		RIKEN cDNA F730043M19 gene	4.37	1.53	0.11
A_52_P100199	NM_172511	Abhd10	213012	abhydrolase domain containing 10	3.01	1.53	0.82
A_51_P415225	NM_009544	Zfp105	22646	zinc finger protein 105	3.74	1.53	0.26
A_51_P462746	AK132870	Tex10	269536	testis expressed gene 10	3.24	1.53	0.56
A_51_P191199	NM_001048:	Gypc	71683	glycophorin C	3.07	1.53	0.72
A_51_P122723	NM_024478	Grpel1	17713	GrpE-like 1, mitochondrial	3.10	1.53	0.70
A_51_P355802	NM_175445	Rassf2	215653	Ras association (RalGDS/AF-6) domain family member 2	3.62	1.53	0.31
A_52_P39765	NM_053204	Erc1	111173	ELKS/RAB6-interacting/CAST family member 1	3.34	1.53	0.48
A_52_P139016	NM_028718	Traf3ip1	74019	TRAF3 interacting protein 1	3.57	1.53	0.33
A_52_P279852	AK081551	Mrpl52	68836	mitochondrial ribosomal protein L52	3.09	1.53	0.71
A_52_P309364	NM_178684	Mapk1ip1l	218975	mitogen-activated protein kinase 1 interacting protein 1-	2.95	1.53	0.92
A_52_P279068	NM_026367	Gpatch2	67769	G patch domain containing 2	3.03	1.53	0.79
A_52_P123485	NM_025804	Tcf25	66855	transcription factor 25 (basic helix-loop-helix)	3.23	1.53	0.58
A_52_P81677	NA	NA	NA	NA	3.68	1.53	0.29
A_51_P135423	NM_001037:	Capzb	12345	capping protein (actin filament) muscle Z-line, beta	4.54	1.52	0.09
A_51_P278519	NM_023268	Qsox1	104009	quiescin Q6 sulfhydryl oxidase 1	3.07	1.52	0.74
A_51_P242101	NM_028137	5730528L1	66665	RIKEN cDNA 5730528L13 gene	3.86	1.52	0.22
A_51_P169516	XM_141580	Ppp1r3d	228966	protein phosphatase 1, regulatory subunit 3D	2.96	1.52	0.91
A_51_P255613	BC100499	Snrpf	69878	small nuclear ribonucleoprotein polypeptide F	2.93	1.52	0.96
A_52_P432153	NM_207633	Yipf6	77929	Yip1 domain family, member 6	3.97	1.52	0.17
A_52_P538950	AK046316	B230369F2	320110	RIKEN cDNA B230369F24 gene	4.22	1.52	0.13
A_51_P349166	NM_175465	Sestd1	228071	SEC14 and spectrin domains 1	3.21	1.52	0.59
A_52_P45563	NM_030710	Slamf6	30925	SLAM family member 6	3.19	1.52	0.62
A_52_P176634	NM_001001:	Taf9b	407786	TAF9B RNA polymerase II, TATA box binding protein (TBP	5.45	1.52	0.00
A_52_P647900	AK171223	Arhgef2	16800	rho/rac guanine nucleotide exchange factor (GEF) 2	4.66	1.52	0.05
A_52_P527874	NM_199447	Rrp12	107094	ribosomal RNA processing 12 homolog (S. cerevisiae)	3.10	1.52	0.70
A_51_P214796	NM_199196	Suz12	52615	suppressor of zeste 12 homolog (Drosophila)	3.22	1.52	0.58
A_52_P27694	NM_027419	2810408A1	70419	RIKEN cDNA 2810408A11 gene	3.50	1.52	0.36
A_52_P40168	NA	NA	NA	NA	3.83	1.52	0.23
A_52_P454183	NM_177068	Olfml2b	320078	olfactomedin-like 2B	2.94	1.52	0.93
A_52_P436621	NM_009077	Rpl18	19899	ribosomal protein L18	3.14	1.51	0.67
A_51_P493012	NM_178628	Atl1	73991	atlastin GTPase 1	3.30	1.51	0.52
A_51_P123724	AI842957	NA	NA	NA	3.26	1.51	0.53
A_52_P270949	NM_175102	Sf3b5	66125	splicing factor 3b, subunit 5	3.99	1.51	0.18

A_51_P295206	NM_178309	Brip1	237911	BRCA1 interacting protein C-terminal helicase 1	3.79	1.51	0.25
A_51_P230873	NM_019499	Mad2l1	56150	MAD2 mitotic arrest deficient-like 1 (yeast)	3.88	1.51	0.21
A_52_P489729	NM_016906	Sec61a1	53421	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	2.98	1.51	0.87
A_51_P304076	NM_176958	Hif1an	319594	hypoxia-inducible factor 1, alpha subunit inhibitor	5.41	1.51	0.00
A_51_P313711	NM_022410	Myh9	17886	myosin, heavy polypeptide 9, non-muscle	4.07	1.51	0.16
A_51_P143152	NM_024452	Luzp1	269593	leucine zipper protein 1	3.26	1.51	0.53
A_52_P421918	AK050769	Helq	191578	helicase, POLQ-like	3.35	1.51	0.46
A_51_P337944	NM_080708	Bmp2k	140780	BMP2 inducible kinase	3.53	1.51	0.34
A_51_P233364	NA	NA	NA	NA	2.92	1.51	0.96
A_51_P373369	NM_026119	Med4	67381	mediator of RNA polymerase II transcription, subunit 4 h	2.93	1.51	0.95
A_52_P139478	NM_025431	Llph	66225	LLP homolog, long-term synaptic facilitation (<i>Aplysia</i>)	3.53	1.50	0.34
A_52_P547000	XM_892996	NA	NA	NA	3.72	1.50	0.27
A_51_P197378	NM_026217	Atg12	67526	autophagy-related 12 (yeast)	2.97	1.50	0.89
A_51_P225083	NM_153680	Snx17	266781	sorting nexin 17	4.04	1.50	0.16
A_52_P650011	AK041964	Elk4	13714	ELK4, member of ETS oncogene family	3.24	1.50	0.56
A_51_P341066	NM_001029	Sla	20491	src-like adaptor	3.99	1.50	0.18
A_51_P518246	NM_021438	Fibp	58249	fibroblast growth factor (acidic) intracellular binding prot	4.27	1.50	0.10
A_52_P490263	NM_013819	H2-M3	14991	histocompatibility 2, M region locus 3	4.02	1.50	0.18
A_52_P58006	NM_133225	Acbd3	170760	acyl-Coenzyme A binding domain containing 3	3.03	1.50	0.79
A_52_P683957	NM_145985	Arcn1	213827	archain 1	3.86	1.50	0.22
A_52_P314042	NM_012010	Eif2s3x	26905	eukaryotic translation initiation factor 2, subunit 3, struct	3.03	1.50	0.79
A_52_P531184	AK009586	Vps53	68299	vacuolar protein sorting 53 (yeast)	3.11	1.50	0.70
A_51_P498023	NM_023912	Scyl1	78891	SCY1-like 1 (<i>S. cerevisiae</i>)	4.03	1.49	0.16
A_51_P168412	M73329	Pdia3	14827	protein disulfide isomerase associated 3	2.92	1.49	0.96
A_52_P655578	NM_023314	Eif4e2	26987	eukaryotic translation initiation factor 4E member 2	2.89	1.49	1.02
A_52_P541344	NM_018729	Cd244	18106	CD244 natural killer cell receptor 2B4	5.15	1.49	0.00
A_51_P235909	NM_026888	Phkg2	68961	phosphorylase kinase, gamma 2 (testis)	4.05	1.49	0.16
A_51_P306527	NM_011738	Ywhah	22629	tyrosine 3-monooxygenase/tryptophan 5-monooxygenas	5.67	1.49	0.00
A_51_P437247	NM_001040	Arap1	69710	ArfGAP with RhoGAP domain, ankyrin repeat and PH don	3.98	1.49	0.17
A_52_P472958	NM_144826	Utp6	216987	UTP6, small subunit (SSU) processome component, homc	2.98	1.49	0.87
A_51_P281806	XM_618787	NA	NA	NA	3.01	1.49	0.82
A_52_P155302	NM_001003	Ankib1	70797	ankyrin repeat and IBR domain containing 1	3.36	1.49	0.46
A_52_P254275	NM_144515	Zfp52	22710	zinc finger protein 52	2.99	1.49	0.85
A_51_P297165	BC092058	Sf3a3	75062	splicing factor 3a, subunit 3	3.79	1.49	0.25

A_51_P249227	NM_008972	Ptma	19231	prothymosin alpha	3.18	1.49	0.62
A_51_P113222	NM_027270	Exoc1	69940	exocyst complex component 1	3.30	1.49	0.52
A_52_P18236	NM_011093	Pira6	18729	paired-Ig-like receptor A6	3.03	1.49	0.79
A_52_P740926	AV121721	NA	NA	NA	3.19	1.49	0.60
A_51_P308275	NM_011026	P2rx4	18438	purinergic receptor P2X, ligand-gated ion channel 4	3.10	1.49	0.70
A_52_P620345	NM_133979	Ano10	102566	anoctamin 10	4.90	1.49	0.07
A_52_P557837	NA	NA	NA	NA	3.24	1.49	0.56
A_51_P472888	NM_198299	E130303B0	102124	RIKEN cDNA E130303B06 gene	3.41	1.49	0.43
A_51_P399960	NM_027422	Mier2	70427	mesoderm induction early response 1, family member 2	4.05	1.48	0.16
A_51_P463497	NM_145135	Rnh1	107702	ribonuclease/angiogenin inhibitor 1	3.17	1.48	0.63
A_52_P393755	NM_010718	Limk2	16886	LIM motif-containing protein kinase 2	3.23	1.48	0.56
A_51_P350222	NM_001013	Dync1li2	234663	dynein, cytoplasmic 1 light intermediate chain 2	3.41	1.48	0.42
A_52_P32662	AK033187	Zfp277	246196	zinc finger protein 277	3.18	1.48	0.62
A_51_P338664	NM_030082	Hist3h2ba	78303	histone cluster 3, H2ba	6.24	1.48	0.00
A_52_P373798	NM_026917	Zdhhc3	69035	zinc finger, DHHC domain containing 3	2.94	1.48	0.93
A_52_P502032	NM_198018	Abr	109934	active BCR-related gene	4.54	1.48	0.09
A_51_P239884	NM_172865	Manea	242362	mannosidase, endo-alpha	3.08	1.48	0.72
A_52_P493322	NM_177899	D330038O	330788	RIKEN cDNA D330038O06 gene	5.63	1.48	0.00
A_52_P258291	NM_011808	Ets1	23871	E26 avian leukemia oncogene 1, 5' domain	3.20	1.48	0.59
A_52_P549927	NM_027472	5730455P1	70591	RIKEN cDNA 5730455P16 gene	3.43	1.48	0.40
A_52_P93422	NM_172549	Cabin1	104248	calcineurin binding protein 1	3.41	1.48	0.42
A_51_P484880	NM_207680	Bcl2l11	12125	BCL2-like 11 (apoptosis facilitator)	2.99	1.47	0.85
A_52_P402305	NM_007589	Calm2	12314	calmodulin 2	3.08	1.47	0.72
A_52_P470586	NA	NA	NA	NA	4.61	1.47	0.05
A_52_P358349	NM_026002	Mtdh	67154	metadherin	2.94	1.47	0.93
A_52_P552971	NM_001007	Tceanc	245695	transcription elongation factor A (SII) N-terminal and cen	3.02	1.47	0.81
A_52_P585124	NM_009911	Cxcr4	12767	chemokine (C-X-C motif) receptor 4	3.66	1.47	0.28
A_52_P476731	NM_027828	Fam110c	104943	family with sequence similarity 110, member C	2.97	1.47	0.89
A_51_P127777	NM_018740	Rai12	54351	retinoic acid induced 12	3.32	1.47	0.49
A_52_P615010	NM_027420	2610034B1	70420	RIKEN cDNA 2610034B18 gene	2.95	1.47	0.92
A_51_P205953	NM_010448	Hnrnpab	15384	heterogeneous nuclear ribonucleoprotein A/B	2.94	1.47	0.95
A_52_P311841	NM_001033	Mef2a	17258	myocyte enhancer factor 2A	2.91	1.47	0.99
A_51_P344364	NM_030175	Hhipl2	78772	hedgehog interacting protein-like 2	2.92	1.47	0.96
A_51_P310821	NM_010453	Hoxa5	15402	homeobox A5	3.17	1.47	0.63

A_52_P679205	NM_175675	4930471M	74919	RIKEN cDNA 4930471M23 gene	3.04	1.46	0.78
A_52_P160936	BC004616	Gusb	110006	glucuronidase, beta	3.90	1.46	0.21
A_51_P365964	NM_144884	Tor1a	30931	torsin family 1, member A (torsin A)	3.41	1.46	0.43
A_51_P442118	NM_001039	Gm6583	625424	predicted gene 6583	3.35	1.46	0.46
A_52_P228398	NM_033561	Eif4h	22384	eukaryotic translation initiation factor 4H	3.73	1.46	0.26
A_52_P426863	NM_178643	C230052I1	101831	RIKEN cDNA C230052I12 gene	3.80	1.46	0.23
A_51_P193475	NM_176841	Ccdc88a	108686	coiled coil domain containing 88A	4.27	1.46	0.10
A_52_P265889	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	3.03	1.46	0.79
A_52_P523473	NM_172487	Prrt3	210673	proline-rich transmembrane protein 3	3.02	1.46	0.79
A_51_P349673	NM_021411	Rab37	58222	RAB37, member of RAS oncogene family	5.46	1.45	0.00
A_52_P521710	NM_172254	Dph3	105638	DPH3 homolog (KT111, <i>S. cerevisiae</i>)	3.03	1.45	0.79
A_51_P356602	NM_199022	Shc4	271849	SHC (Src homology 2 domain containing) family, member	3.61	1.45	0.31
A_51_P503345	NM_022986	Irak1bp1	65099	interleukin-1 receptor-associated kinase 1 binding protei	3.66	1.45	0.28
A_51_P123625	AK152177	Irg1	16365	immunoresponsive gene 1	3.22	1.45	0.58
A_52_P586574	NM_007475	Rplp0	11837	ribosomal protein, large, P0	3.18	1.45	0.62
A_51_P438363	NM_172703	Eif4g3	230861	eukaryotic translation initiation factor 4 gamma, 3	3.83	1.45	0.24
A_52_P273769	NM_025614	Rwdd1	66521	RWD domain containing 1	3.25	1.45	0.56
A_52_P302203	NM_199196	Suz12	52615	suppressor of zeste 12 homolog (<i>Drosophila</i>)	2.95	1.44	0.92
A_52_P400584	NM_028137	5730528L1	66665	RIKEN cDNA 5730528L13 gene	4.21	1.44	0.13
A_51_P278070	BE980334	NA	NA	NA	2.98	1.44	0.89
A_51_P249414	NM_022408	Dgcr14	27886	DiGeorge syndrome critical region gene 14	3.62	1.44	0.31
A_52_P231170	NM_172694	Megf9	230316	multiple EGF-like-domains 9	3.44	1.44	0.40
A_52_P685857	XM_899890	NA	NA	NA	2.91	1.44	0.98
A_51_P415162	NM_009078	Rpl19	19921	ribosomal protein L19	3.80	1.44	0.23
A_51_P170619	NM_028041	Ddx54	71990	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	3.10	1.44	0.70
A_52_P265524	NM_011026	P2rx4	18438	purinergic receptor P2X, ligand-gated ion channel 4	3.41	1.44	0.43
A_52_P579726	NM_026217	Atg12	67526	autophagy-related 12 (yeast)	3.66	1.43	0.28
A_52_P237176	NM_178260	Kiss1	280287	KISS-1 metastasis-suppressor	2.94	1.43	0.93
A_51_P335146	NM_010400	H60a	15101	histocompatibility 60a	4.35	1.43	0.11
A_51_P116419	NM_013790	Abcc5	27416	ATP-binding cassette, sub-family C (CFTR/MRP), member	3.08	1.43	0.72
A_51_P120859	NM_008640	Laptm4a	17775	lysosomal-associated protein transmembrane 4A	3.33	1.43	0.49
A_51_P284166	NM_021552	Nsa2	59050	NSA2 ribosome biogenesis homolog (<i>S. cerevisiae</i>)	3.04	1.43	0.78
A_52_P201482	AK020123	Prickle2	243548	prickle homolog 2 (<i>Drosophila</i>)	3.57	1.43	0.33
A_51_P324524	NM_029755	Calcoco2	76815	calcium binding and coiled-coil domain 2	3.06	1.43	0.75

A_51_P235580	NM_022994	Dap3	65111	death associated protein 3	3.57	1.43	0.33
A_51_P332900	NM_021420	Stk4	58231	serine/threonine kinase 4	3.14	1.43	0.67
A_51_P420841	AK054249	Lrrc8b	433926	leucine rich repeat containing 8 family, member B	3.73	1.42	0.26
A_51_P164686	BC031452	Rrbp1	81910	ribosome binding protein 1	6.76	1.42	0.00
A_51_P246076	NM_026283	Samd8	67630	sterile alpha motif domain containing 8	3.98	1.42	0.17
A_52_P363087	NM_011692	Vbp1	22327	von Hippel-Lindau binding protein 1	4.21	1.42	0.13
A_51_P439299	NM_177073	Relt	320100	RELT tumor necrosis factor receptor	5.19	1.42	0.00
A_52_P469512	NM_026000	Psmd9	67151	proteasome (prosome, macropain) 26S subunit, non-ATP	3.81	1.42	0.24
A_52_P117197	NM_027497	Epc1	13831	enhancer of polycomb homolog 1 (Drosophila)	3.41	1.42	0.43
A_52_P313813	NM_026631	Nhp2	52530	NHP2 ribonucleoprotein homolog (yeast)	3.61	1.42	0.31
A_52_P407602	NA	NA	NA	NA	3.87	1.42	0.20
A_52_P454397	NM_019689	Arid3b	56380	AT rich interactive domain 3B (BRIGHT-like)	3.75	1.42	0.26
A_52_P138895	NM_153559	Qsox2	227638	quiescin Q6 sulfhydryl oxidase 2	3.50	1.42	0.36
A_52_P468472	NM_007471	App	11820	amyloid beta (A4) precursor protein	3.57	1.41	0.33
A_51_P431903	NM_011051	Pdcd6	18570	programmed cell death 6	3.08	1.41	0.71
A_51_P411355	NM_021441	Taf1c	21341	TATA box binding protein (Tbp)-associated factor, RNA p	3.41	1.41	0.43
A_52_P637689	NM_033524	Spred1	114715	sprouty protein with EVH-1 domain 1, related sequence	3.28	1.41	0.53
A_52_P83386	NM_028932	Eaf1	74427	ELL associated factor 1	3.15	1.41	0.66
A_51_P251293	NM_145534	Btbd3	228662	BTB (POZ) domain containing 3	3.05	1.41	0.76
A_52_P597696	NM_008697	Nin	18080	ninein	3.22	1.41	0.58
A_52_P673971	NM_009282	Stag1	20842	stromal antigen 1	3.34	1.41	0.47
A_52_P474638	NM_021420	Stk4	58231	serine/threonine kinase 4	2.91	1.41	0.98
A_52_P174396	NM_009952	Creb1	12912	cAMP responsive element binding protein 1	3.28	1.41	0.53
A_52_P121525	NM_009261	Strbp	20744	spermatid perinuclear RNA binding protein	4.00	1.41	0.18
A_51_P489313	NM_025618	Sri	109552	sorcin	3.67	1.40	0.29
A_52_P631514	AK081249	Atp5f1	11950	ATP synthase, H+ transporting, mitochondrial F0 comple	3.60	1.40	0.32
A_51_P487718	NM_010093	E2f3	13557	E2F transcription factor 3	3.00	1.40	0.85
A_52_P48546	NM_026259	Rnf41	67588	ring finger protein 41	3.00	1.40	0.82
A_51_P433338	NM_053180	Cdk20	105278	cyclin-dependent kinase 20	2.90	1.40	1.02
A_51_P123630	L38281	Irg1	16365	immunoresponsive gene 1	3.12	1.40	0.70
A_51_P217535	NM_023735	Actr3	74117	ARP3 actin-related protein 3 homolog (yeast)	3.27	1.40	0.53
A_51_P300216	NM_022309	Cbfb	12400	core binding factor beta	3.17	1.40	0.63
A_52_P620357	NM_207706	Elmo2	140579	engulfment and cell motility 2, ced-12 homolog (C. elegai	2.94	1.40	0.93
A_51_P461724	NM_027439	Atp6ap2	70495	ATPase, H+ transporting, lysosomal accessory protein 2	4.94	1.40	0.07

A_52_P262096	NM_029955	Ccdc93	70829	coiled-coil domain containing 93	3.16	1.39	0.65
A_51_P272175	NM_053161	Mrpl27	94064	mitochondrial ribosomal protein L27	3.31	1.39	0.49
A_51_P341324	NM_019785	Actr10	56444	ARP10 actin-related protein 10 homolog (<i>S. cerevisiae</i>)	3.07	1.39	0.74
A_52_P386408	NM_028312	Ccdc12	72654	coiled-coil domain containing 12	3.98	1.39	0.18
A_51_P424518	AK014241	Nin	18080	ninein	3.61	1.39	0.31
A_52_P62444	AK029181	Syn2	20965	synapsin II	3.14	1.39	0.67
A_52_P345946	NA	NA	NA	NA	3.45	1.39	0.40
A_51_P332359	NM_027213	Med6	69792	mediator of RNA polymerase II transcription, subunit 6 h	3.12	1.39	0.70
A_51_P145991	NM_026899	Ssu72	68991	Ssu72 RNA polymerase II CTD phosphatase homolog (<i>yea</i>	3.06	1.39	0.75
A_51_P414126	NM_011226	Rab19	19331	RAB19, member RAS oncogene family	3.00	1.39	0.85
A_52_P386754	AK038884	Blcap	53619	bladder cancer associated protein homolog (human)	3.66	1.39	0.28
A_52_P507890	NM_019747	Zfp113	56314	zinc finger protein 113	3.00	1.38	0.85
A_52_P143757	NM_173015	Mon1b	270096	MON1 homolog b (<i>yeast</i>)	3.89	1.38	0.21
A_51_P424499	NM_011660	Txn1	22166	thioredoxin 1	3.18	1.38	0.62
A_51_P190805	NM_007456	Ap1m1	11767	adaptor-related protein complex AP-1, mu subunit 1	2.91	1.38	0.98
A_51_P361359	NM_183142	Alg11	207958	asparagine-linked glycosylation 11 homolog (<i>yeast</i> , alpha	3.19	1.38	0.62
A_51_P202408	NM_008967	Ptgir	19222	prostaglandin I receptor (IP)	2.99	1.38	0.85
A_52_P656634	NM_133933	Rpn1	103963	ribophorin I	2.93	1.38	0.95
A_52_P633597	NM_181397	Rftn1	76438	raftlin lipid raft linker 1	2.94	1.38	0.93
A_51_P421984	NM_019818	Timm22	56322	translocase of inner mitochondrial membrane 22 homolc	3.84	1.38	0.22
A_52_P480872	NM_145475	Cerk	223753	ceramide kinase	3.70	1.37	0.27
A_52_P471471	NM_198295	Tmx3	67988	thioredoxin-related transmembrane protein 3	3.23	1.37	0.58
A_52_P296996	NM_148929	Slc9a8	77031	solute carrier family 9 (sodium/hydrogen exchanger), me	3.56	1.37	0.35
A_51_P258620	NM_029391	Rab4b	19342	RAB4B, member RAS oncogene family	4.09	1.37	0.16
A_51_P183685	NM_033475	Rab34	19376	RAB34, member of RAS oncogene family	4.91	1.37	0.07
A_52_P674530	NM_010438	Hk1	15275	hexokinase 1	2.98	1.37	0.87
A_52_P589735	BC039744	Acp1	11431	acid phosphatase 1, soluble	3.52	1.37	0.35
A_51_P215570	NM_145577	Zfp772	232855	zinc finger protein 772	3.23	1.37	0.58
A_52_P201015	NA	NA	NA	NA	3.11	1.37	0.70
A_52_P547021	NM_009078	Rpl19	19921	ribosomal protein L19	3.25	1.36	0.55
A_52_P491273	AK046543	Tet3	194388	tet oncogene family member 3	3.18	1.36	0.62
A_51_P400498	BC079668	Whsc1	107823	Wolf-Hirschhorn syndrome candidate 1 (human)	3.20	1.36	0.60
A_52_P340700	NM_172395	Cdc42se1	57912	CDC42 small effector 1	3.02	1.36	0.81
A_51_P357195	XM_132740	NA	NA	NA	3.01	1.36	0.82

A_52_P653966	NM_019426	Atf7ip	54343	activating transcription factor 7 interacting protein	3.68	1.36	0.29
A_52_P348972	NM_020255	Scand1	19018	SCAN domain-containing 1	3.61	1.36	0.31
A_52_P623690	NA	NA	NA	NA	3.09	1.36	0.71
A_51_P195258	NM_019426	Atf7ip	54343	activating transcription factor 7 interacting protein	4.22	1.36	0.13
A_52_P680908	NM_022655	Ireb2	64602	iron responsive element binding protein 2	2.94	1.36	0.93
A_51_P286878	AK016577	Ttll11	74410	tubulin tyrosine ligase-like family, member 11	3.00	1.36	0.85
A_51_P479043	NM_022988	Nif3l1	65102	Ngg1 interacting factor 3-like 1 (S. pombe)	3.86	1.36	0.22
A_52_P600547	NM_009271	Src	20779	Rous sarcoma oncogene	3.58	1.35	0.33
A_52_P835473	AK052259	NA	NA	NA	3.14	1.35	0.66
A_52_P123268	NM_001002	Rpl17	319195	ribosomal protein L17	3.15	1.35	0.65
A_51_P174016	NM_008202	Slc39a7	14977	solute carrier family 39 (zinc transporter), member 7	3.10	1.35	0.70
A_51_P460633	NM_008244	Hgs	15239	HGF-regulated tyrosine kinase substrate	3.13	1.35	0.67
A_52_P301804	NM_013565	Itga3	16400	integrin alpha 3	2.94	1.35	0.93
A_51_P197321	NM_016760	Clta	12757	clathrin, light polypeptide (Lca)	3.25	1.35	0.56
A_52_P611283	NM_019573	Wwox	80707	WW domain-containing oxidoreductase	3.09	1.35	0.71
A_52_P290579	NM_001033	Mef2a	17258	myocyte enhancer factor 2A	3.22	1.34	0.58
A_52_P86517	NM_146097	Cbwd1	226043	COBW domain containing 1	2.98	1.34	0.87
A_51_P115547	NM_022813	Scamp2	24044	secretory carrier membrane protein 2	2.90	1.34	0.99
A_52_P343343	NM_025433	Rpl7l1	66229	ribosomal protein L7-like 1	3.75	1.34	0.26
A_51_P233788	NM_023178	Dmap1	66233	DNA methyltransferase 1-associated protein 1	3.47	1.34	0.39
A_51_P475076	NM_011692	Vbp1	22327	von Hippel-Lindau binding protein 1	2.98	1.34	0.89
A_52_P540302	NA	NA	NA	NA	2.90	1.34	0.99
A_52_P193322	NM_023348	Snap29	67474	synaptosomal-associated protein 29	3.26	1.33	0.53
A_52_P131584	AK014260	Nup54	269113	nucleoporin 54	4.26	1.33	0.10
A_51_P335916	NM_023331	Mrpl46	67308	mitochondrial ribosomal protein L46	3.25	1.33	0.55
A_51_P406115	NM_007399	Adam10	11487	a disintegrin and metallopeptidase domain 10	4.11	1.33	0.14
A_52_P159885	NM_001024	Ddx49	234374	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	3.53	1.33	0.34
A_52_P1638	NM_139154	Rab40c	224624	Rab40c, member RAS oncogene family	2.89	1.33	1.02
A_51_P264478	NM_172400	Dnajc8	68598	Dnaj (Hsp40) homolog, subfamily C, member 8	3.77	1.32	0.25
A_51_P349142	NM_007991	Fbl	14113	fibrillarin	3.18	1.32	0.62
A_51_P354433	NM_019489	Ppie	56031	peptidylprolyl isomerase E (cyclophilin E)	3.33	1.32	0.49
A_51_P232705	NM_029635	CommD9	76501	COMM domain containing 9	3.02	1.32	0.79
A_51_P332003	NM_025651	Aste1	66595	asteroid homolog 1 (Drosophila)	2.91	1.32	0.99
A_52_P50512	NM_011875	Psmd13	23997	proteasome (prosome, macropain) 26S subunit, non-ATP	3.38	1.32	0.45

A_52_P649161	NM_019936	Cript	56724	cysteine-rich PDZ-binding protein	3.39	1.32	0.44
A_52_P591791	NA	NA	NA	NA	3.37	1.32	0.46
A_52_P603654	NM_018768	Stx8	55943	syntaxin 8	3.93	1.31	0.19
A_51_P158161	NM_023536	Mrto4	69902	MRT4, mRNA turnover 4, homolog (S. cerevisiae)	3.25	1.31	0.55
A_52_P48436	NM_025614	Rwdd1	66521	RWD domain containing 1	2.91	1.31	0.98
A_51_P109496	NM_027285	1700029I0:70005		RIKEN cDNA 1700029I01 gene	3.17	1.31	0.63
A_51_P442206	AK029888	Ankrd42	73845	ankyrin repeat domain 42	2.89	1.31	1.02
A_51_P390239	NM_032396	Kremen1	84035	kringle containing transmembrane protein 1	3.36	1.31	0.46
A_51_P336403	NM_133749	2900064A173024		RIKEN cDNA 2900064A13 gene	5.57	1.31	0.00
A_51_P232771	NM_025745	Erlec1	66753	endoplasmic reticulum lectin 1	3.03	1.31	0.79
A_51_P128499	XM_128129	NA	NA	NA	2.99	1.31	0.85
A_51_P393598	NM_023721	Atp6v1d	73834	ATPase, H+ transporting, lysosomal V1 subunit D	3.23	1.30	0.58
A_52_P274238	NM_021500	Maea	59003	macrophage erythroblast attacher	3.27	1.30	0.53
A_51_P363103	NM_026678	Blvra	109778	biliverdin reductase A	4.38	1.30	0.11
A_51_P191601	NM_029841	2510039O177034		RIKEN cDNA 2510039O18 gene	3.53	1.30	0.34
A_52_P131490	NM_174874	Atg4b	66615	autophagy-related 4B (yeast)	3.27	1.30	0.53
A_52_P49601	NM_010239	Fth1	14319	ferritin heavy chain 1	2.95	1.30	0.92
A_52_P171692	NM_029821	1190003J1:76974		RIKEN cDNA 1190003J15 gene	3.04	1.29	0.78
A_52_P441614	NM_026034	Armc10	67211	armadillo repeat containing 10	3.16	1.29	0.65
A_52_P442756	NM_027453	Btf3l4	70533	basic transcription factor 3-like 4	3.14	1.29	0.66
A_51_P448545	AK013012	Klhl35	72184	kelch-like 35 (Drosophila)	2.93	1.29	0.96
A_52_P603635	NM_019661	Ykt6	56418	YKT6 homolog (S. Cerevisiae)	2.90	1.29	0.99
A_51_P172842	NM_025885	Med19	381379	mediator of RNA polymerase II transcription, subunit 19 I	3.18	1.28	0.62
A_51_P109840	NM_011707	Vtn	22370	vitronectin	3.38	1.28	0.45
A_52_P350306	XM_001005C	Gm11472	668950	predicted gene 11472	2.89	1.28	1.02
A_51_P338776	NM_172400	Dnajc8	68598	DnaJ (Hsp40) homolog, subfamily C, member 8	3.37	1.28	0.46
A_51_P150530	NM_053157	Tm2d1	94043	TM2 domain containing 1	3.00	1.27	0.85
A_51_P448427	NM_133216	Xpnpep1	170750	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	3.11	1.27	0.70
A_52_P524010	NM_029654	Atg2b	76559	ATG2 autophagy related 2 homolog B (S. cerevisiae)	3.39	1.27	0.42
A_51_P434803	NM_009187	Cox7a2l	20463	cytochrome c oxidase subunit VIIa polypeptide 2-like	2.93	1.27	0.95
A_51_P492830	NM_021886	Cenph	26886	centromere protein H	3.98	1.26	0.17
A_51_P266695	NM_172835	Peli3	240518	pellino 3	2.94	1.25	0.93
A_51_P175483	NM_011938	Grk6	26385	G protein-coupled receptor kinase 6	3.31	1.25	0.49
A_52_P498128	NM_028381	Ccdc94	72886	coiled-coil domain containing 94	3.16	1.24	0.65

A_51_P329043	X55787	Ets1	23871	E26 avian leukemia oncogene 1, 5' domain	2.93	1.23	0.95
A_52_P329019	NM_026101	Herc4	67345	hect domain and RLD 4	3.22	1.23	0.58
A_51_P495242	NM_010689	Lat	16797	linker for activation of T cells	3.16	1.23	0.65
A_51_P476518	NM_178618	Fam83g	69640	family with sequence similarity 83, member G	3.00	1.22	0.85
A_52_P101184	NM_080428	Fbxw7	50754	F-box and WD-40 domain protein 7	4.22	1.21	0.13
A_52_P474739	NM_021608	Dctn5	59288	dynactin 5	2.91	1.21	0.98
A_52_P368262	AK038789	Bcl7c	12055	B-cell CLL/lymphoma 7C	3.02	1.20	0.81
A_52_P569651	NM_173180	Pmpca	66865	peptidase (mitochondrial processing) alpha	3.01	1.18	0.82
A_52_P259258	BC060121	Phf20	228829	PHD finger protein 20	2.95	1.15	0.93
A_52_P381913	AK080468	7-Mar	57438	membrane-associated ring finger (C3HC4) 7	-3.33	0.86	0.40
A_52_P409076	NM_009154	Sema5a	20356	sema domain, seven thrombospondin repeats (type 1 an	-2.97	0.85	0.75
A_52_P600048	NM_054040	Tulp4	68842	tubby like protein 4	-2.84	0.83	0.96
A_52_P619262	AK122497	Mical3	194401	microtubule associated monooxygenase, calponin and LIM	-2.98	0.83	0.74
A_51_P447189	AK041326	1700030C1	69513	RIKEN cDNA 1700030C10 gene	-2.99	0.83	0.71
A_52_P956010	AK081464	NA	NA	NA	-3.64	0.82	0.24
A_51_P235994	NM_172882	Wdfy3	72145	WD repeat and FYVE domain containing 3	-3.49	0.82	0.31
A_51_P395014	NM_026688	Ndufs3	68349	NADH dehydrogenase (ubiquinone) Fe-S protein 3	-3.32	0.81	0.40
A_52_P175086	NM_130879	Usp48	170707	ubiquitin specific peptidase 48	-2.87	0.81	0.92
A_52_P635910	NM_028142	Nsun4	72181	NOL1/NOP2/Sun domain family, member 4	-3.73	0.81	0.21
A_52_P182749	XM_897688	D14Abb1e	218850	DNA segment, Chr 14, Abbott 1 expressed	-3.07	0.81	0.62
A_52_P397755	NA	NA	NA	NA	-2.89	0.81	0.87
A_52_P680870	NM_183315	Ctxn1	330695	cortexin 1	-4.53	0.80	0.05
A_52_P488437	NM_013738	Plek2	27260	pleckstrin 2	-2.81	0.80	1.02
A_52_P851407	AK033152	NA	NA	NA	-3.05	0.80	0.66
A_52_P652936	NM_008520	Ltbp3	16998	latent transforming growth factor beta binding protein 3	-3.21	0.80	0.49
A_51_P205559	NM_029331	1700019G1	175541	RIKEN cDNA 1700019G17 gene	-4.70	0.79	0.06
A_52_P4095	AK169661	Auh	11992	AU RNA binding protein/enoyl-coenzyme A hydratase	-2.97	0.79	0.74
A_52_P170339	NM_010898	Nf2	18016	neurofibromatosis 2	-3.06	0.79	0.65
A_51_P162437	XM_898043	NA	NA	NA	-2.81	0.79	1.02
A_51_P355735	NM_030610	Fgf20	80857	fibroblast growth factor 20	-3.69	0.78	0.22
A_52_P521858	NM_028636	Man2c1	73744	mannosidase, alpha, class 2C, member 1	-2.94	0.78	0.79
A_51_P375526	NM_011037	Pax2	18504	paired box gene 2	-2.85	0.78	0.95
A_51_P257496	NM_027286	Ace2	70008	angiotensin I converting enzyme (peptidyl-dipeptidase A)	-3.14	0.78	0.58
A_52_P673917	AK029359	A230072CC	320742	RIKEN cDNA A230072C01 gene	-3.03	0.78	0.68

A_51_P347673	AK007011	Kcnj9	16524	potassium inwardly-rectifying channel, subfamily J, mem	-3.03	0.78	0.68
A_51_P133252	NM_011988	Slc27a3	26568	solute carrier family 27 (fatty acid transporter), member	-2.85	0.78	0.95
A_51_P159612	NM_019487	Hebp2	56016	heme binding protein 2	-3.32	0.78	0.40
A_51_P274947	NM_026487	Atad1	67979	ATPase family, AAA domain containing 1	-2.96	0.78	0.76
A_52_P947954	AK081157	Myst3	244349	MYST histone acetyltransferase (monocytic leukemia) 3	-3.97	0.78	0.15
A_51_P491635	NM_027366	Ly6g6e	70274	lymphocyte antigen 6 complex, locus G6E	-4.36	0.77	0.09
A_52_P682330	AK147606	Psd3	234353	pleckstrin and Sec7 domain containing 3	-3.01	0.77	0.70
A_52_P636343	NM_178398	Wipi2	74781	WD repeat domain, phosphoinositide interacting 2	-3.18	0.77	0.53
A_51_P109828	NM_025407	Uqcrc1	22273	ubiquinol-cytochrome c reductase core protein 1	-3.52	0.77	0.28
A_52_P384079	AK029069	Rnf139	75841	ring finger protein 139	-2.93	0.77	0.81
A_52_P389478	NM_008997	Rab11b	19326	RAB11B, member RAS oncogene family	-3.40	0.77	0.35
A_52_P575020	AK078599	Crls1	66586	cardiolipin synthase 1	-3.37	0.77	0.37
A_52_P151905	XM_285588	Gm5132	333452	predicted gene 5132	-3.12	0.77	0.59
A_52_P875364	AK041105	NA	NA	NA	-3.27	0.77	0.45
A_52_P612813	BC070467	Map2k7	26400	mitogen-activated protein kinase kinase 7	-3.33	0.77	0.40
A_52_P899685	AK037956	NA	NA	NA	-2.90	0.77	0.85
A_51_P333630	BB204267	Atl1	73991	atlastin GTPase 1	-3.12	0.77	0.60
A_52_P586851	NM_010112	Efs	13644	embryonal Fyn-associated substrate	-3.00	0.77	0.70
A_52_P462447	NM_009620	Adam4	11498	a disintegrin and metallopeptidase domain 4	-4.78	0.77	0.07
A_51_P405304	NM_053172	Mepe	94111	matrix extracellular phosphoglycoprotein with ASARM m	-3.12	0.77	0.59
A_52_P235479	NM_027554	Usp38	74841	ubiquitin specific peptidase 38	-3.86	0.77	0.16
A_52_P217796	NM_023831	1500035HC	76568	RIKEN cDNA 1500035H01 gene	-2.97	0.77	0.74
A_51_P409919	NM_146157	C230096C1	230866	RIKEN cDNA C230096C10 gene	-3.31	0.76	0.42
A_51_P359983	NM_144529	Arhgap17	70497	Rho GTPase activating protein 17	-3.55	0.76	0.29
A_52_P1187714	AK032928	NA	NA	NA	-3.20	0.76	0.52
A_51_P261671	NM_007808	Cycs	13063	cytochrome c, somatic	-3.09	0.76	0.62
A_52_P466147	NM_027852	Rarres2	71660	retinoic acid receptor responder (tazarotene induced) 2	-3.17	0.76	0.55
A_51_P283837	NM_011508	Eif1	20918	eukaryotic translation initiation factor 1	-4.72	0.76	0.06
A_52_P32893	NM_023647	Nipa2	93790	non imprinted in Prader-Willi/Angelman syndrome 2 hon	-2.94	0.76	0.79
A_52_P389274	AK019095	Sfi1	78887	Sfi1 homolog, spindle assembly associated (yeast)	-3.53	0.76	0.29
A_52_P663757	BC050866	Tnik	665113	TRAF2 and NCK interacting kinase	-4.03	0.76	0.13
A_52_P503104	NM_001033	AU017455	105590	expressed sequence AU017455	-3.23	0.76	0.48
A_52_P1116825	BU519104	NA	NA	NA	-3.12	0.76	0.59
A_51_P255657	XM_985599	2210011C2	70134	RIKEN cDNA 2210011C24 gene	-2.82	0.76	0.99

A_52_P510179	NM_016845	Acrbp	54137	proacrosin binding protein	-3.95	0.76	0.14
A_52_P152274	NM_024412	Clcnka	12733	chloride channel Ka	-4.51	0.76	0.05
A_51_P374034	NM_177088	Ccdc45	320162	coiled-coil domain containing 45	-3.01	0.76	0.70
A_52_P1036898	AK148655	Zfp319	79233	zinc finger protein 319	-3.03	0.76	0.68
A_52_P328078	NM_016774	Atp5b	11947	ATP synthase, H ⁺ transporting mitochondrial F1 complex	-4.40	0.75	0.09
A_52_P543460	NM_183355	Pbx1	18514	pre B-cell leukemia transcription factor 1	-3.06	0.75	0.65
A_52_P393781	NM_009737	Bcat2	12036	branched chain aminotransferase 2, mitochondrial	-3.17	0.75	0.53
A_51_P370082	NM_011549	Tcfef	21425	transcription factor EB	-2.82	0.75	0.99
A_52_P1069517	NA	NA	NA	NA	-3.05	0.75	0.67
A_51_P199217	XM_895899	NA	NA	NA	-4.00	0.75	0.12
A_51_P302149	NM_007688	Cfl2	12632	cofilin 2, muscle	-3.00	0.75	0.71
A_51_P454943	NM_008157	Gpr19	14760	G protein-coupled receptor 19	-3.11	0.75	0.60
A_51_P419750	AK051383	BB085087	99939	expressed sequence BB085087	-3.11	0.75	0.60
A_52_P248250	NM_028844	Aven	74268	apoptosis, caspase activation inhibitor	-3.16	0.75	0.55
A_52_P263589	NA	NA	NA	NA	-3.03	0.75	0.68
A_51_P285790	NM_173383	Dnd1	213236	dead end homolog 1 (zebrafish)	-3.18	0.75	0.53
A_51_P224216	NM_020582	Atp5j2	57423	ATP synthase, H ⁺ transporting, mitochondrial F0 complex	-2.95	0.74	0.78
A_52_P631189	AK053977	E230008J2:319683		RIKEN cDNA E230008J23 gene	-3.91	0.74	0.14
A_51_P304417	NM_001003	BC030307	103220	cDNA sequence BC030307	-3.26	0.74	0.46
A_52_P633489	NM_026161	C1qtnf4	67445	C1q and tumor necrosis factor related protein 4	-4.84	0.74	0.07
A_51_P341664	NM_133228	Zfp87	170763	zinc finger protein 87	-3.19	0.74	0.52
A_51_P204508	NM_013925	Adat1	30947	adenosine deaminase, tRNA-specific 1	-2.88	0.74	0.91
A_51_P164504	NM_007469	Apoc1	11812	apolipoprotein C-I	-3.85	0.74	0.16
A_52_P835189	AK042010	NA	NA	NA	-3.03	0.74	0.68
A_51_P233308	NM_176962	6330416L0	319615	RIKEN cDNA 6330416L07 gene	-3.10	0.74	0.60
A_51_P393518	BC016539	Hmcn1	545370	hemicentin 1	-3.08	0.74	0.62
A_52_P438578	NM_057172	Fubp1	51886	far upstream element (FUSE) binding protein 1	-3.18	0.74	0.53
A_52_P345539	NM_009484	Uty	22290	ubiquitously transcribed tetratricopeptide repeat gene, Y	-4.32	0.74	0.08
A_51_P334263	NM_133227	Nup155	170762	nucleoporin 155	-2.83	0.74	0.99
A_51_P450226	NM_008467	Kpna4	16649	karyopherin (importin) alpha 4	-3.18	0.74	0.53
A_51_P176797	NM_172397	Limd2	67803	LIM domain containing 2	-3.45	0.74	0.33
A_52_P36256	NA	NA	NA	NA	-2.82	0.74	0.99
A_52_P868210	AK086789	NA	NA	NA	-2.97	0.74	0.74
A_51_P427444	NM_017472	Snx3	54198	sorting nexin 3	-2.94	0.73	0.79

A_52_P377532	NM_178035	Fads6	328035	fatty acid desaturase domain family, member 6	-2.82	0.73	0.99
A_52_P636523	NM_010897	Nf1	18015	neurofibromatosis 1	-2.91	0.73	0.85
A_52_P446011	AK044502	Etnk1	75320	ethanolamine kinase 1	-3.53	0.73	0.28
A_52_P33516	BB426169	NA	NA	NA	-3.19	0.73	0.52
A_51_P339344	NM_029025	Tmem81	74626	transmembrane protein 81	-2.92	0.73	0.82
A_51_P442655	NM_026191	Dhx40	67487	DEAH (Asp-Glu-Ala-His) box polypeptide 40	-3.12	0.73	0.59
A_51_P218910	BC042507	2410066E1	68235	RIKEN cDNA 2410066E13 gene	-2.95	0.73	0.78
A_52_P182592	NM_025773	Ube2w	66799	ubiquitin-conjugating enzyme E2W (putative)	-2.91	0.73	0.85
A_52_P567839	NM_172871	Klhl9	242521	kelch-like 9 (Drosophila)	-3.14	0.73	0.58
A_52_P714230	NA	NA	NA	NA	-3.05	0.73	0.66
A_52_P374193	NA	NA	NA	NA	-3.01	0.73	0.70
A_52_P671784	NM_172619	Adamts10	224697	a disintegrin-like and metallopeptidase (reprolysin type) 10	-3.15	0.73	0.55
A_52_P315022	XM_917083	Syne2	319565	synaptic nuclear envelope 2	-2.82	0.73	1.02
A_52_P223524	NM_027081	Fam116b	69440	family with sequence similarity 116, member B	-2.99	0.73	0.71
A_51_P344376	NM_013533	Gpr162	14788	G protein-coupled receptor 162	-3.25	0.73	0.46
A_51_P183543	X12807	NA	NA	NA	-3.19	0.73	0.52
A_52_P640922	AK220370	Dcdc2a	195208	doublecortin domain containing 2a	-3.30	0.73	0.43
A_51_P207706	NM_173375	Fam180a	208164	family with sequence similarity 180, member A	-3.85	0.73	0.16
A_51_P168708	NM_009725	Atp5f1	11950	ATP synthase, H ⁺ transporting, mitochondrial F0 complex c1, cytochrome b558, subunit 1	-7.49	0.73	0.00
A_51_P344790	NM_012020	Foxl2	26927	forkhead box L2	-3.11	0.73	0.60
A_52_P436122	NA	NA	NA	NA	-3.37	0.73	0.37
A_52_P656024	NM_022432	Sirt2	64383	sirtuin 2 (silent mating type information regulation 2, homolog 2)	-2.85	0.73	0.95
A_51_P335716	NM_018743	Agpat6	102247	1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidylcholine acyltransferase 6)	-2.87	0.73	0.91
A_52_P494622	NM_013613	Nr4a2	18227	nuclear receptor subfamily 4, group A, member 2	-3.15	0.73	0.56
A_51_P416647	NM_010115	Egfbp2	13647	epidermal growth factor binding protein type B	-3.09	0.73	0.62
A_52_P353038	NM_001025	Trim26	22670	tripartite motif-containing 26	-3.37	0.73	0.38
A_52_P407280	BC034843	Adamts15	66548	ADAMTS-like 5	-4.17	0.73	0.11
A_52_P1187549	AK009643	2310035P2	75683	RIKEN cDNA 2310035P21 gene	-2.89	0.73	0.87
A_52_P231726	NM_177088	Ccdc45	320162	coiled-coil domain containing 45	-4.02	0.73	0.12
A_52_P408657	NM_019660	Mycbp	56309	c-myc binding protein	-2.89	0.73	0.89
A_51_P463607	NM_177310	Xpnpep3	321003	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	-3.08	0.73	0.62
A_51_P154417	NM_010180	Fbln1	14114	fibulin 1	-2.96	0.73	0.76
A_52_P37991	NA	NA	NA	NA	-3.16	0.72	0.55
A_52_P528726	NM_007750	Cox8a	12868	cytochrome c oxidase, subunit VIIIa	-3.42	0.72	0.34

A_51_P482279	AK030794	Ppp4r1l	1E+08	protein phosphatase 4, regulatory subunit 1-like	-4.28	0.72	0.08
A_51_P483344	NM_008995	Pex5	19305	peroxisomal biogenesis factor 5	-2.88	0.72	0.89
A_51_P380685	NM_023231	Stoml2	66592	stomatin (Epb7.2)-like 2	-2.90	0.72	0.87
A_51_P204898	AK005748	1700008AC	69351	RIKEN cDNA 1700008A04 gene	-4.04	0.72	0.13
A_51_P113003	NM_031863	Cenpq	83815	centromere protein Q	-3.64	0.72	0.24
A_52_P147992	AK038412	Arglu1	234023	arginine and glutamate rich 1	-4.00	0.72	0.12
A_52_P228107	BC037640	Cwf19l1	72502	CWF19-like 1, cell cycle control (<i>S. pombe</i>)	-2.84	0.72	0.96
A_52_P597371	NM_134094	Ncald	52589	neurocalcin delta	-2.90	0.72	0.85
A_52_P502102	AK030376	2310001H1	76432	RIKEN cDNA 2310001H17 gene	-2.87	0.72	0.91
A_51_P404077	NM_020510	Fzd2	57265	frizzled homolog 2 (<i>Drosophila</i>)	-4.10	0.72	0.10
A_51_P515981	AK031703	NA	NA	NA	-4.56	0.72	0.05
A_52_P654031	NM_019702	Hbs1l	56422	Hbs1-like (<i>S. cerevisiae</i>)	-3.00	0.72	0.70
A_52_P65610	XM_486062	NA	NA	NA	-3.18	0.72	0.53
A_52_P298165	AK045826	Gm14964	1E+08	predicted gene 14964	-2.88	0.72	0.89
A_51_P229732	AK015605	4930481B0	74937	RIKEN cDNA 4930481B07 gene	-3.10	0.72	0.60
A_52_P623809	NA	NA	NA	NA	-2.86	0.72	0.93
A_51_P247873	NM_026061	Ndufb8	67264	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	-4.20	0.72	0.11
A_52_P649419	AK162561	3110052M0	73229	RIKEN cDNA 3110052M02 gene	-2.91	0.72	0.85
A_52_P1163677	AK037099	NA	NA	NA	-3.09	0.72	0.62
A_52_P635984	NM_001038	Anapc11	66156	anaphase promoting complex subunit 11	-2.94	0.72	0.78
A_52_P408826	AK079287	9530083O1	1319610	RIKEN cDNA 9530083O12 gene	-3.21	0.72	0.50
A_51_P181025	AK054076	E230016M	320172	RIKEN cDNA E230016M11 gene	-4.86	0.72	0.07
A_51_P342387	NM_013475	Apoh	11818	apolipoprotein H	-2.84	0.72	0.96
A_52_P349318	NM_029792	B3gat1	76898	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferas	-4.17	0.71	0.11
A_51_P307062	NM_001001	BC056474	414077	cDNA sequence BC056474	-2.92	0.71	0.82
A_51_P177552	NM_023172	Ndufb9	66218	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9	-2.99	0.71	0.71
A_52_P388359	NM_007453	Prdx6	11758	peroxiredoxin 6	-4.19	0.71	0.11
A_51_P388517	NM_001077	Ldb2	16826	LIM domain binding 2	-2.99	0.71	0.72
A_52_P424959	NM_153457	Rtn1	104001	reticulon 1	-3.09	0.71	0.62
A_52_P552832	NM_010886	Ndufa4	17992	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,	-4.12	0.71	0.10
A_51_P277295	NM_027977	2310001A2	71881	RIKEN cDNA 2310001A20 gene	-4.21	0.71	0.12
A_52_P335166	NM_001012	Slc2a9	117591	solute carrier family 2 (facilitated glucose transporter), m	-4.19	0.71	0.11
A_52_P74684	NM_028142	Nsun4	72181	NOL1/NOP2/Sun domain family, member 4	-2.99	0.71	0.72
A_51_P315646	NM_010911	Nfs1	18041	nitrogen fixation gene 1 (<i>S. cerevisiae</i>)	-5.04	0.71	0.00

A_51_P361184	NM_026612	Ndufb2	68198	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	-3.04	0.71	0.67
A_51_P318966	NM_009844	Cd19	12478	CD19 antigen	-3.60	0.71	0.26
A_52_P269588	BC027816	Ap1g1	11765	adaptor protein complex AP-1, gamma 1 subunit	-3.93	0.71	0.14
A_52_P480064	NM_001078	Tmem134	66990	transmembrane protein 134	-2.82	0.71	1.02
A_52_P227279	NM_011703	Vipr1	22354	vasoactive intestinal peptide receptor 1	-4.32	0.71	0.08
A_52_P551594	NM_172952	Gphn	268566	gephyrin	-2.85	0.71	0.95
A_51_P127464	NM_199149	Lrrc68	232947	leucine rich repeat containing 68	-3.58	0.71	0.26
A_51_P380432	NM_198885	Scx	20289	scleraxis	-2.82	0.71	0.99
A_52_P371063	NM_198026	Iqcc	230767	IQ motif containing C	-2.82	0.71	0.99
A_51_P358445	NM_010061	Dnase1	13419	deoxyribonuclease I	-4.04	0.71	0.13
A_52_P665928	NM_172529	Gnptg	214505	N-acetylglucosamine-1-phosphotransferase, gamma subunit	-3.32	0.71	0.40
A_52_P502461	NM_029862	5930434B0	381356	RIKEN cDNA 5930434B04 gene	-3.97	0.71	0.15
A_51_P364339	NM_133666	Ndufv1	17995	NADH dehydrogenase (ubiquinone) flavoprotein 1	-5.22	0.71	0.00
A_51_P496905	NM_007686	Cfi	12630	complement component factor i	-3.82	0.71	0.18
A_51_P151775	NM_178719	Smcr7l	239555	Smith-Magenis syndrome chromosome region, candidate 7	-3.07	0.71	0.63
A_52_P238523	NM_183147	Sprn	212518	shadow of prion protein	-3.10	0.71	0.60
A_51_P332481	NM_010832	Msl3	17692	male-specific lethal 3 homolog (Drosophila)	-2.87	0.70	0.92
A_51_P232384	NM_145566	Agfg2	231801	ArfGAP with FG repeats 2	-3.59	0.70	0.26
A_52_P257547	NM_024179	0610009O2	66839	RIKEN cDNA 0610009O20 gene	-3.67	0.70	0.23
A_52_P619388	NA	NA	NA	NA	-3.14	0.70	0.58
A_52_P391805	NM_028934	4930452B0	74430	RIKEN cDNA 4930452B06 gene	-3.02	0.70	0.70
A_51_P331781	XM_127489	Fam151b	73942	family with sequence similarity 151, member B	-3.54	0.70	0.29
A_51_P234888	NM_027093	2310003L2	69487	RIKEN cDNA 2310003L22 gene	-2.81	0.70	1.02
A_52_P576778	NM_133718	Tmem30a	69981	transmembrane protein 30A	-2.81	0.70	1.02
A_51_P261470	NM_028388	Ndufv2	72900	NADH dehydrogenase (ubiquinone) flavoprotein 2	-4.25	0.70	0.08
A_52_P556134	XM_908122	NA	NA	NA	-3.04	0.70	0.68
A_51_P326932	AK018172	Prune2	353211	prune homolog 2 (Drosophila)	-4.00	0.70	0.12
A_51_P178592	NM_053158	Mrpl1	94061	mitochondrial ribosomal protein L1	-3.91	0.70	0.14
A_52_P307749	NM_028756	Slc35a5	74102	solute carrier family 35, member A5	-3.02	0.70	0.70
A_52_P122867	NM_022305	B4galt1	14595	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	-2.99	0.70	0.71
A_52_P350301	NA	NA	NA	NA	-3.21	0.70	0.50
A_52_P316405	NA	NA	NA	NA	-2.98	0.70	0.74
A_52_P1011730	AK038827	A230066D3	380656	RIKEN cDNA A230066D03 gene	-4.08	0.70	0.10
A_52_P99411	NM_008410	Itm2b	16432	integral membrane protein 2B	-2.86	0.70	0.93

A_52_P586671	NM_172518	Fbxo42	213499	F-box protein 42	-4.53	0.70	0.05
A_51_P401958	NM_011528	Taldo1	21351	transaldolase 1	-3.27	0.70	0.45
A_52_P671794	NM_178711	Plscr4	235527	phospholipid scramblase 4	-2.96	0.70	0.76
A_52_P517508	NM_177784	Klhl23	277396	kelch-like 23 (Drosophila)	-4.72	0.70	0.06
A_51_P342466	NM_001024	Nufip2	68564	nuclear fragile X mental retardation protein interacting p	-3.11	0.70	0.60
A_52_P65703	NM_178620	Mfsd11	69900	major facilitator superfamily domain containing 11	-3.16	0.70	0.55
A_51_P392967	NM_053253	Zmynd10	114602	zinc finger, MYND domain containing 10	-4.24	0.70	0.08
A_52_P520397	NM_013897	Timm8b	30057	translocase of inner mitochondrial membrane 8 homolog	-3.37	0.70	0.37
A_51_P224630	NM_026854	Dtwd2	68857	DTW domain containing 2	-3.19	0.70	0.52
A_51_P316431	NM_080636	Hars2	70791	histidyl-tRNA synthetase 2, mitochondrial (putative)	-3.41	0.70	0.35
A_51_P517126	NM_013736	Tceb3	27224	transcription elongation factor B (SIII), polypeptide 3	-3.10	0.70	0.60
A_52_P319137	AK005758	Lrrc51	69358	leucine rich repeat containing 51	-3.20	0.70	0.52
A_52_P172014	NA	NA	NA	NA	-4.55	0.70	0.05
A_51_P502443	NM_173048	Gga3	260302	golgi associated, gamma adaptin ear containing, ARF bindi	-2.94	0.70	0.78
A_51_P335729	AK039370	NA	NA	NA	-3.60	0.70	0.26
A_52_P646112	BC011192	Rps13	68052	ribosomal protein S13	-2.91	0.70	0.85
A_52_P82247	NM_007808	Cycs	13063	cytochrome c, somatic	-3.62	0.69	0.25
A_52_P979926	AK050149	NA	NA	NA	-3.05	0.69	0.66
A_52_P91891	AK029171	Ppp4r1l	1E+08	protein phosphatase 4, regulatory subunit 1-like	-3.28	0.69	0.42
A_51_P260478	NM_145823	Pitpnc1	71795	phosphatidylinositol transfer protein, cytoplasmic 1	-2.96	0.69	0.76
A_52_P353198	NM_144514	Commd1	17846	COMM domain containing 1	-2.92	0.69	0.82
A_51_P250459	AK013063	Mettl5	75422	methyltransferase like 5	-3.81	0.69	0.18
A_51_P276063	NM_010726	Phyh	16922	phytanoyl-CoA hydroxylase	-3.49	0.69	0.31
A_52_P422222	NM_024274	Fars2	69955	phenylalanine-tRNA synthetase 2 (mitochondrial)	-3.72	0.69	0.20
A_52_P225466	BC046763	Tmem219	68742	transmembrane protein 219	-3.56	0.69	0.28
A_51_P238165	X68951	NA	NA	NA	-3.11	0.69	0.60
A_52_P111244	NA	NA	NA	NA	-2.85	0.69	0.95
A_51_P426919	U83174	Gt(ROSA)2(	14910	gene trap ROSA 26, Philippe Soriano	-3.08	0.69	0.62
A_52_P282186	AK173104	Slc45a4	106068	solute carrier family 45, member 4	-5.69	0.69	0.00
A_51_P255336	NM_007661	Cdk11b	12537	cyclin-dependent kinase 11B	-3.33	0.69	0.40
A_51_P374863	NM_013742	Cars	27267	cysteinyl-tRNA synthetase	-3.05	0.69	0.66
A_52_P543855	NM_172290	Ntm	235106	neurotrimin	-4.93	0.69	0.08
A_52_P31625	AK079835	NA	NA	NA	-2.89	0.69	0.87
A_52_P558368	NM_175160	Zdhhc1	70796	zinc finger, DHHC domain containing 1	-2.92	0.69	0.82

A_52_P76904	NA	NA	NA	NA		-3.17	0.69	0.53
A_51_P402496	NM_007505	Atp5a1	11946	ATP synthase, H ⁺ transporting, mitochondrial F1 comple		-2.92	0.69	0.82
A_51_P175146	NM_027769	Cpne3	70568	copine III		-3.35	0.69	0.38
A_51_P188501	AK053596	NA	NA	NA		-4.72	0.69	0.06
A_52_P375323	NM_177909	Slc9a9	331004	solute carrier family 9 (sodium/hydrogen exchanger), me		-4.33	0.69	0.09
A_52_P682299	AK085055	Clic4	29876	chloride intracellular channel 4 (mitochondrial)		-3.22	0.69	0.49
A_51_P500544	NM_025813	Mfsd1	66868	major facilitator superfamily domain containing 1		-3.01	0.69	0.70
A_52_P875598	AK047419	NA	NA	NA		-3.78	0.69	0.17
A_52_P227919	NM_207142	Olfr1036	258245	olfactory receptor 1036		-3.41	0.69	0.35
A_52_P222669	AK013859	Tmem186	66690	transmembrane protein 186		-3.89	0.69	0.16
A_51_P302823	NM_019686	Cib2	56506	calcium and integrin binding family member 2		-4.09	0.69	0.10
A_51_P486217	NM_175638	Wnk4	69847	WNK lysine deficient protein kinase 4		-3.41	0.69	0.35
A_52_P231428	XM_898270	NA	NA	NA		-3.03	0.69	0.68
A_51_P182456	AK009638	Pcgf3	69587	polycomb group ring finger 3		-3.11	0.69	0.60
A_52_P997209	NA	NA	NA	NA		-3.54	0.69	0.29
A_51_P160664	NM_025379	Cox7b	66142	cytochrome c oxidase subunit VIIb		-3.94	0.69	0.14
A_51_P493522	NM_178929	Kazald1	107250	Kazal-type serine peptidase inhibitor domain 1		-3.20	0.69	0.52
A_52_P120719	NM_030554	Rab27b	80718	RAB27b, member RAS oncogene family		-3.25	0.69	0.46
A_52_P347826	NM_009826	Rb1cc1	12421	RB1-inducible coiled-coil 1		-3.89	0.69	0.16
A_52_P763635	AK087135	NA	NA	NA		-3.40	0.69	0.36
A_52_P106929	BC049640	Atp5f1	11950	ATP synthase, H ⁺ transporting, mitochondrial F0 comple		-3.61	0.69	0.25
A_52_P504787	NM_010141	Epha7	13841	Eph receptor A7		-3.16	0.69	0.55
A_52_P679273	AK036632	2310001H176432		RIKEN cDNA 2310001H17 gene		-4.16	0.68	0.11
A_52_P515407	AK033538	Arih1	23806	ariadne ubiquitin-conjugating enzyme E2 binding protein		-4.54	0.68	0.05
A_52_P585699	NM_025296	Ciao1	26371	cytosolic iron-sulfur protein assembly 1 homolog (S. cere		-5.06	0.68	0.00
A_52_P86073	NM_001039	Mrpl1	94061	mitochondrial ribosomal protein L1		-4.02	0.68	0.12
A_52_P358913	AK054418	D830024N08	319911	RIKEN cDNA D830024N08 gene		-3.02	0.68	0.70
A_51_P139490	NM_146034	Ctage5	217615	CTAGE family, member 5		-3.22	0.68	0.49
A_52_P668715	NM_026532	Nutf2	68051	nuclear transport factor 2		-3.19	0.68	0.52
A_52_P372925	NM_010879	Nck2	17974	non-catalytic region of tyrosine kinase adaptor protein 2		-3.11	0.68	0.60
A_52_P48670	NM_025366	Chchd1	66121	coiled-coil-helix-coiled-coil-helix domain containing 1		-3.11	0.68	0.60
A_52_P322467	AK032189	Nit1	27045	nitrilase 1		-3.49	0.68	0.31
A_52_P540360	NM_177922	Mapk15	332110	mitogen-activated protein kinase 15		-3.01	0.68	0.70
A_51_P373609	NM_198246	Yars2	70120	tyrosyl-tRNA synthetase 2 (mitochondrial)		-3.06	0.68	0.65

A_51_P335710	NM_018743	Agpat6	102247	1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophos	-2.86	0.68	0.93
A_52_P467140	NM_019776	Snd1	56463	staphylococcal nuclease and tudor domain containing 1	-3.66	0.68	0.24
A_51_P128287	NM_027360	2010107E070257		RIKEN cDNA 2010107E04 gene	-3.64	0.68	0.23
A_52_P244908	AK031010	NA	NA	NA	-2.96	0.68	0.76
A_51_P397548	NM_175374	Mtrf1l	108853	mitochondrial translational release factor 1-like	-4.03	0.68	0.13
A_52_P180335	NM_024227	Mrpl28	68611	mitochondrial ribosomal protein L28	-3.72	0.68	0.21
A_51_P264186	NM_027862	Atp5h	71679	ATP synthase, H ⁺ transporting, mitochondrial F0 complex	-3.27	0.68	0.45
A_52_P685938	NM_172698	4732418C0230648		RIKEN cDNA 4732418C07 gene	-3.32	0.68	0.40
A_51_P149960	NM_173012	Letm2	270035	leucine zipper-EF-hand containing transmembrane prote	-4.71	0.68	0.06
A_52_P124264	NM_027569	Spag9	70834	sperm associated antigen 9	-3.28	0.68	0.42
A_52_P149213	NA	NA	NA	NA	-3.34	0.68	0.40
A_51_P130666	NM_134079	Adk	11534	adenosine kinase	-3.58	0.68	0.26
A_52_P322181	CK020710	Adrb1	11554	adrenergic receptor, beta 1	-3.28	0.68	0.42
A_52_P380329	NM_198600	Papd7	210106	PAP associated domain containing 7	-3.79	0.68	0.17
A_52_P162775	NM_153176	Spg7	234847	spastic paraplegia 7 homolog (human)	-3.54	0.68	0.29
A_52_P474551	AK042559	Kcnq1ot1	63830	KCNQ1 overlapping transcript 1	-3.93	0.68	0.14
A_52_P641195	NM_001033	1700029J069479		RIKEN cDNA 1700029J07 gene	-3.15	0.68	0.56
A_51_P152423	NM_177640	D030056L2225995		RIKEN cDNA D030056L22 gene	-3.77	0.68	0.19
A_52_P279120	NA	NA	NA	NA	-3.08	0.68	0.62
A_51_P466148	NM_007533	Bckdha	12039	branched chain ketoacid dehydrogenase E1, alpha polype	-3.04	0.68	0.67
A_51_P256003	NM_009551	Zfand5	22682	zinc finger, AN1-type domain 5	-2.83	0.68	0.98
A_51_P407675	NM_011663	Zrsr1	22183	zinc finger (CCCH type), RNA binding motif and serine/arg	-4.06	0.68	0.13
A_51_P105991	NM_011538	Tbx6	21389	T-box 6	-2.81	0.67	1.02
A_51_P147207	NM_011563	Prdx2	21672	peroxiredoxin 2	-2.89	0.67	0.87
A_51_P247665	NM_178811	Ttc15	217449	tetratricopeptide repeat domain 15	-2.83	0.67	0.99
A_52_P538379	NM_013924	Abt1	30946	activator of basal transcription 1	-3.23	0.67	0.49
A_51_P339154	NM_146058	NA	NA	NA	-3.63	0.67	0.25
A_52_P672825	BC106120	Rad9b	231724	RAD9 homolog B (<i>S. cerevisiae</i>)	-3.83	0.67	0.18
A_51_P200819	NM_016764	Prdx4	53381	peroxiredoxin 4	-4.72	0.67	0.06
A_51_P155323	NM_010406	Hc	15139	hemolytic complement	-3.54	0.67	0.29
A_51_P183971	NM_019446	Barhl1	54422	BarH-like 1 (<i>Drosophila</i>)	-3.53	0.67	0.28
A_51_P260169	NM_010360	Gstm5	14866	glutathione S-transferase, mu 5	-3.40	0.67	0.35
A_52_P683945	XM_884867	Gm6155	620480	predicted gene 6155	-3.85	0.67	0.16
A_51_P317695	NM_019510	Trpc3	22065	transient receptor potential cation channel, subfamily C,	-3.72	0.67	0.21

A_52_P67964	NM_009280	Ss18	268996	synovial sarcoma translocation, Chromosome 18	-3.65	0.67	0.24
A_51_P155755	AK077214	Pld6	194908	phospholipase D family, member 6	-3.54	0.67	0.29
A_51_P455946	NM_133223	Rac3	170758	RAS-related C3 botulinum substrate 3	-2.89	0.67	0.89
A_52_P218132	AK083930	Top1	21969	topoisomerase (DNA) I	-3.03	0.67	0.68
A_52_P444235	NA	NA	NA	NA	-6.11	0.67	0.00
A_51_P249215	NM_008964	Ptger2	19217	prostaglandin E receptor 2 (subtype EP2)	-3.48	0.67	0.32
A_52_P89099	NM_001039	Nolc1	70769	nucleolar and coiled-body phosphoprotein 1	-2.98	0.67	0.72
A_51_P257156	NM_029832	Ddrgrk1	77006	DDRGK domain containing 1	-3.78	0.67	0.17
A_52_P374681	NM_177394	A730011L0338371		RIKEN cDNA A730011L01 gene	-3.35	0.67	0.38
A_52_P538709	NM_133932	Tada3	101206	transcriptional adaptor 3	-3.12	0.67	0.60
A_51_P109939	NM_144897	Apoa1bp	246703	apolipoprotein A-I binding protein	-3.22	0.67	0.49
A_52_P558699	NM_211355	Smek1	68734	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	-3.32	0.67	0.40
A_51_P127456	BC070402	Lrrc68	232947	leucine rich repeat containing 68	-4.34	0.67	0.09
A_51_P118715	NM_026274	Rspry1	67610	ring finger and SPRY domain containing 1	-3.05	0.67	0.66
A_51_P432802	NM_009032	Rbm4	19653	RNA binding motif protein 4	-3.17	0.67	0.53
A_51_P296057	NM_030680	Upf1	19704	UPF1 regulator of nonsense transcripts homolog (yeast)	-3.03	0.67	0.68
A_51_P440399	NM_012060	Bcap31	27061	B-cell receptor-associated protein 31	-3.52	0.67	0.28
A_51_P289249	AK160276	NA	NA	NA	-4.03	0.67	0.13
A_51_P138651	NM_010562	Ilk	16202	integrin linked kinase	-3.27	0.67	0.45
A_52_P208703	AK122210	Ubap2l	74383	ubiquitin associated protein 2-like	-3.69	0.67	0.22
A_52_P278154	NM_027236	Eif1ad	69860	eukaryotic translation initiation factor 1A domain contain	-3.00	0.67	0.71
A_52_P311104	NM_012047	Brd7	26992	bromodomain containing 7	-3.13	0.67	0.58
A_51_P214916	NM_001030	Ndufs5	595136	NADH dehydrogenase (ubiquinone) Fe-S protein 5	-3.74	0.67	0.21
A_52_P485000	AK052489	Palld	72333	palladin, cytoskeletal associated protein	-2.81	0.67	1.02
A_52_P187167	NM_001040	Rspo4	228770	R-spondin family, member 4	-4.06	0.67	0.13
A_52_P247491	NM_001042	Ddhd1	114874	DDHD domain containing 1	-3.19	0.67	0.52
A_51_P121359	NM_001029	Zc3h18	76014	zinc finger CCCH-type containing 18	-2.82	0.67	0.99
A_51_P168945	NM_016985	Mtmr1	53332	myotubularin related protein 1	-4.88	0.67	0.08
A_52_P218623	NA	NA	NA	NA	-3.21	0.67	0.50
A_51_P328432	NA	NA	NA	NA	-3.59	0.67	0.26
A_51_P272123	NM_024197	Ndufa10	67273	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex :	-3.29	0.67	0.42
A_51_P427317	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3	-3.66	0.66	0.24
A_51_P290819	NM_025798	Hint3	66847	histidine triad nucleotide binding protein 3	-2.83	0.66	0.98
A_52_P266459	NM_023503	Ing2	69260	inhibitor of growth family, member 2	-3.39	0.66	0.36

A_51_P237613	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-3.95	0.66	0.14
A_52_P325621	NA	NA	NA	NA	-3.29	0.66	0.42
A_51_P368580	BC032216	Ablim1	226251	actin-binding LIM protein 1	-3.46	0.66	0.33
A_52_P143287	NM_001005	Itgb4	192897	integrin beta 4	-2.86	0.66	0.93
A_51_P331870	NM_028862	Rnf145	74315	ring finger protein 145	-3.00	0.66	0.70
A_52_P193925	NM_028072	Sulf2	72043	sulfatase 2	-2.82	0.66	0.99
A_51_P440443	NM_138586	Exosc5	27998	exosome component 5	-4.42	0.66	0.09
A_52_P234087	AK053336	Tek	21687	endothelial-specific receptor tyrosine kinase	-3.16	0.66	0.55
A_51_P308394	NM_172732	Clec9a	232414	C-type lectin domain family 9, member a	-3.89	0.66	0.16
A_51_P423825	NA	NA	NA	NA	-3.61	0.66	0.26
A_51_P151484	NM_009721	Atp1b1	11931	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	-4.18	0.66	0.11
A_51_P303824	NM_029588	1700012L0	76383	RIKEN cDNA 1700012L04 gene	-3.17	0.66	0.53
A_52_P1179988	AK050242	NA	NA	NA	-3.96	0.66	0.15
A_52_P639223	NM_009738	Bche	12038	butyrylcholinesterase	-3.09	0.66	0.60
A_52_P679491	AK054185	Mrpl3	94062	mitochondrial ribosomal protein L3	-3.08	0.66	0.62
A_51_P147651	NA	NA	NA	NA	-3.02	0.66	0.70
A_52_P458524	XR_002277	NA	NA	NA	-3.88	0.66	0.16
A_52_P627631	NA	NA	NA	NA	-3.51	0.66	0.29
A_51_P117752	NM_009714	Asgr1	11889	asialoglycoprotein receptor 1	-2.92	0.66	0.82
A_52_P964651	AK158217	Fam65c	69553	family with sequence similarity 65, member C	-3.65	0.66	0.24
A_51_P519592	NM_010178	Sfrs13a	14105	splicing factor, arginine/serine-rich 13A	-3.46	0.66	0.33
A_51_P431316	NM_025773	Ube2w	66799	ubiquitin-conjugating enzyme E2W (putative)	-5.44	0.66	0.00
A_52_P58994	NM_008831	Phb	18673	prohibitin	-2.82	0.66	0.99
A_52_P194680	BI152977	NA	NA	NA	-3.40	0.66	0.35
A_52_P200359	NM_080633	Aco2	11429	aconitase 2, mitochondrial	-2.98	0.66	0.72
A_51_P201254	AK047739	NA	NA	NA	-3.03	0.66	0.68
A_52_P293785	NA	NA	NA	NA	-3.88	0.66	0.16
A_52_P289685	NM_028358	Ssbp1	381760	single-stranded DNA binding protein 1	-2.97	0.66	0.75
A_52_P609972	NM_007925	Eln	13717	elastin	-3.56	0.66	0.27
A_52_P137361	NM_181820	Tmc4	353499	transmembrane channel-like gene family 4	-4.12	0.66	0.10
A_52_P406995	NM_172490	Sepsecs	211006	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA s	-3.07	0.66	0.63
A_51_P143002	NM_026182	Mtfr1	67472	mitochondrial fission regulator 1	-3.91	0.66	0.14
A_52_P347500	BC035276	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-3.36	0.66	0.37
A_51_P502132	NM_011985	Mmp23	26561	matrix metalloproteinase 23	-2.92	0.66	0.82

A_51_P427768	NM_007858	Diap1	13367	diaphanous homolog 1 (Drosophila)	-3.12	0.66	0.59
A_52_P893440	NM_011563	Prdx2	21672	peroxiredoxin 2	-2.92	0.66	0.82
A_52_P468537	NM_018888	Uqcc	56046	ubiquinol-cytochrome c reductase complex chaperone, C	-4.45	0.66	0.10
A_51_P120295	NM_029562	Cyp2d26	76279	cytochrome P450, family 2, subfamily d, polypeptide 26	-3.49	0.66	0.31
A_52_P295906	AK049081	Ammecr1l	225339	AMME chromosomal region gene 1-like	-6.31	0.66	0.00
A_51_P146126	AK169586	Cdkn1b	12576	cyclin-dependent kinase inhibitor 1B	-3.93	0.65	0.14
A_51_P421734	NM_011390	Slc12a7	20499	solute carrier family 12, member 7	-2.85	0.65	0.95
A_52_P590205	NM_019913	Txn2	56551	thioredoxin 2	-3.04	0.65	0.67
A_51_P362054	NM_025983	Atp5e	67126	ATP synthase, H+ transporting, mitochondrial F1 complex	-3.11	0.65	0.60
A_51_P171697	NM_018858	Pebp1	23980	phosphatidylethanolamine binding protein 1	-2.96	0.65	0.75
A_52_P69702	NM_025348	Ndufa3	66091	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,	-3.22	0.65	0.49
A_51_P352245	NM_018744	Sema6a	20358	sema domain, transmembrane domain (TM), and cytopla	-3.36	0.65	0.37
A_51_P362818	BC031139	Nlrp6	101613	NLR family, pyrin domain containing 6	-2.97	0.65	0.75
A_51_P217415	XM_126830	2410004P03	73667	RIKEN cDNA 2410004P03 gene	-3.22	0.65	0.49
A_52_P174771	NM_174874	Atg4b	66615	autophagy-related 4B (yeast)	-3.44	0.65	0.35
A_51_P102782	NM_199195	Bckdhb	12040	branched chain ketoacid dehydrogenase E1, beta polypep	-2.84	0.65	0.96
A_51_P353252	NM_178920	Mal2	105853	mal, T-cell differentiation protein 2	-2.87	0.65	0.91
A_52_P219415	NM_181820	Tmc4	353499	transmembrane channel-like gene family 4	-4.51	0.65	0.05
A_51_P503057	NM_011482	Nhp2l1	20826	NHP2 non-histone chromosome protein 2-like 1 (S. cerev	-3.38	0.65	0.38
A_51_P319392	NM_145938	Rpp40	208366	ribonuclease P 40 subunit (human)	-3.21	0.65	0.50
A_52_P589065	NM_019709	Mbtps1	56453	membrane-bound transcription factor peptidase, site 1	-3.41	0.65	0.35
A_52_P323044	NM_010439	Hmgb1	15289	high mobility group box 1	-3.60	0.65	0.26
A_51_P221781	AK009327	Zfp33b	69623	zinc finger protein 33B	-4.50	0.65	0.05
A_52_P14342	BC060616	D930016D06	100662	RIKEN cDNA D930016D06 gene	-3.12	0.65	0.60
A_51_P133229	NM_028072	Sulf2	72043	sulfatase 2	-3.20	0.65	0.50
A_52_P145076	NM_019561	Ensa	56205	endosulfine alpha	-5.53	0.65	0.00
A_52_P170054	NM_030087	Ndufv3	78330	NADH dehydrogenase (ubiquinone) flavoprotein 3	-2.92	0.65	0.82
A_52_P1020019	AK047343	NA	NA	NA	-3.39	0.65	0.36
A_52_P448749	AK053942	Tc2n	74413	tandem C2 domains, nuclear	-3.55	0.65	0.27
A_52_P88722	NM_025483	Senp7	66315	SUMO1/sentrin specific peptidase 7	-4.47	0.65	0.05
A_51_P218205	NM_144514	Commd1	17846	COMM domain containing 1	-2.84	0.65	0.96
A_52_P300331	NM_177327	Wwp1	107568	WW domain containing E3 ubiquitin protein ligase 1	-2.82	0.65	0.99
A_51_P210877	NM_001024	Pcnp	76302	PEST proteolytic signal containing nuclear protein	-4.26	0.65	0.08
A_51_P413147	NM_008693	Klk1b3	18050	kallikrein 1-related peptidase b3	-3.45	0.65	0.33

A_51_P459091	NM_172550	A130042E2216119	RIKEN cDNA A130042E20 gene	-4.60	0.65	0.06
A_52_P280448	NA	NA	NA	-3.95	0.65	0.14
A_51_P302890	BC100493	1700013F075504	RIKEN cDNA 1700013F07 gene	-3.06	0.65	0.65
A_51_P163624	AK044029	Chadl 214685	chondroadherin-like	-2.88	0.65	0.91
A_52_P1036554	AK084098	Usp15 14479	ubiquitin specific peptidase 15	-3.21	0.65	0.50
A_52_P313523	NM_028934	4930452B074430	RIKEN cDNA 4930452B06 gene	-3.13	0.65	0.59
A_52_P1093473	NM_028177	Ndufab1 70316	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcon	-3.97	0.65	0.15
A_52_P572255	NM_145556	Tardbp 230908	TAR DNA binding protein	-4.23	0.65	0.10
A_52_P555680	NM_178811	Ttc15 217449	tetratricopeptide repeat domain 15	-3.47	0.65	0.33
A_52_P138723	NM_153799	Edc3 353190	enhancer of mRNA decapping 3 homolog (<i>S. cerevisiae</i>)	-2.92	0.65	0.82
A_52_P342860	NM_007954	Es1 13884	esterase 1	-4.32	0.65	0.08
A_52_P519317	NA	NA	NA	-3.31	0.65	0.42
A_51_P285097	NM_029687	Wdr38 76646	WD repeat domain 38	-2.86	0.65	0.93
A_51_P232708	NM_018787	Npff 54615	neuropeptide FF-amide peptide precursor	-3.47	0.65	0.32
A_51_P337230	NM_027864	Galnt14 71685	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acet	-3.40	0.65	0.36
A_52_P298158	NM_172605	Tdrd3 219249	tudor domain containing 3	-3.13	0.65	0.58
A_51_P265685	NM_026673	Apoo 68316	apolipoprotein O	-3.48	0.65	0.32
A_51_P359374	NM_080456	Mrps6 121022	mitochondrial ribosomal protein S6	-3.07	0.64	0.65
A_51_P172692	NM_017478	Copg2 54160	coatamer protein complex, subunit gamma 2	-2.90	0.64	0.87
A_52_P403764	NM_029432	4930402H2228602	RIKEN cDNA 4930402H24 gene	-3.54	0.64	0.29
A_51_P102174	XM_898869	NA	NA	-3.94	0.64	0.14
A_51_P259064	AK020443	Ube2d3 66105	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, y	-2.84	0.64	0.96
A_51_P366244	AK018143	Cgn 70737	cingulin	-2.92	0.64	0.82
A_51_P184910	NM_029293	Phpt1 75454	phosphohistidine phosphatase 1	-3.17	0.64	0.55
A_51_P295582	NM_025530	Cutc 66388	cutC copper transporter homolog (<i>E.coli</i>)	-5.68	0.64	0.00
A_51_P417279	AK002600	0610012G0106264	RIKEN cDNA 0610012G03 gene	-3.74	0.64	0.21
A_52_P327791	AK032600	Cdadc1 71891	cytidine and dCMP deaminase domain containing 1	-3.93	0.64	0.14
A_51_P358171	NM_019488	Slc2a8 56017	solute carrier family 2, (facilitated glucose transporter), n	-3.46	0.64	0.33
A_51_P208637	BC006833	Poldip2 67811	polymerase (DNA-directed), delta interacting protein 2	-4.48	0.64	0.05
A_51_P100866	NM_016755	Atp5j 11957	ATP synthase, H ⁺ transporting, mitochondrial F0 comple	-3.17	0.64	0.53
A_51_P445662	NM_008292	Hsd17b4 15488	hydroxysteroid (17-beta) dehydrogenase 4	-3.48	0.64	0.31
A_52_P469277	AF087578	Slc1a1 20510	solute carrier family 1 (neuronal/epithelial high affinity gl	-3.38	0.64	0.36
A_51_P258566	BC058680	Mdm4 17248	transformed mouse 3T3 cell double minute 4	-3.43	0.64	0.34
A_52_P509906	NM_026298	lft172 67661	intraflagellar transport 172 homolog (<i>Chlamydomonas</i>)	-2.94	0.64	0.79

A_51_P332100	NM_009826	Rb1cc1	12421	RB1-inducible coiled-coil 1	-3.06	0.64	0.65
A_52_P645637	AK029856	Senp8	71599	SUMO/sentrin specific peptidase 8	-3.66	0.64	0.24
A_51_P300666	NM_153288	Npb	208990	neuropeptide B	-3.33	0.64	0.40
A_52_P372046	NM_025584	Cd99	673094	CD99 antigen	-6.08	0.64	0.00
A_51_P234853	NM_023374	Sdhb	67680	succinate dehydrogenase complex, subunit B, iron sulfur	-4.00	0.64	0.12
A_51_P430071	NM_178214	Hist2h2be	319190	histone cluster 2, H2be	-3.35	0.64	0.38
A_51_P370090	NM_008808	Pdgfa	18590	platelet derived growth factor, alpha	-3.02	0.64	0.70
A_51_P325491	NM_025368	Josd2	66124	Josephin domain containing 2	-3.62	0.64	0.25
A_52_P632617	NM_175491	Smcr8	237782	Smith-Magenis syndrome chromosome region, candidate	-3.83	0.64	0.18
A_52_P608132	NM_001024	Snx32	225861	sorting nexin 32	-2.89	0.64	0.89
A_52_P567056	NM_001048	2810008M	75616	RIKEN cDNA 2810008M24 gene	-3.02	0.64	0.70
A_51_P505719	AY590892	Dmxl1	240283	Dmx-like 1	-3.99	0.64	0.12
A_51_P512503	NM_011794	Bpnt1	23827	bisphosphate 3'-nucleotidase 1	-3.23	0.64	0.48
A_52_P315328	NA	NA	NA	NA	-3.14	0.64	0.58
A_52_P238846	NM_011794	Bpnt1	23827	bisphosphate 3'-nucleotidase 1	-2.90	0.64	0.87
A_52_P622067	NM_029600	Abcc3	76408	ATP-binding cassette, sub-family C (CFTR/MRP), member	-5.35	0.64	0.00
A_52_P640355	NM_027862	Atp5h	71679	ATP synthase, H ⁺ transporting, mitochondrial F0 complex	-4.21	0.64	0.12
A_52_P122664	NM_010264	Nr6a1	14536	nuclear receptor subfamily 6, group A, member 1	-3.65	0.64	0.24
A_51_P183107	NM_175226	Rnf139	75841	ring finger protein 139	-4.05	0.64	0.13
A_52_P431770	NA	NA	NA	NA	-3.12	0.64	0.60
A_52_P18068	NM_178935	4932441K1	353170	RIKEN cDNA 4932441K18 gene	-2.97	0.64	0.74
A_51_P385749	NM_026902	Mcts1	68995	malignant T cell amplified sequence 1	-2.81	0.64	1.02
A_51_P393193	NM_144511	Gm4738	13909	predicted gene 4738	-3.79	0.64	0.17
A_52_P559817	NM_024237	Fbln7	70370	fibulin 7	-2.92	0.64	0.82
A_52_P29765	AK002667	Cmc1	67899	COX assembly mitochondrial protein homolog (<i>S. cerevisi</i>	-2.98	0.64	0.72
A_51_P493270	NM_029963	Mrps5	77721	mitochondrial ribosomal protein S5	-3.62	0.64	0.25
A_52_P44760	NM_001003	Mars	216443	methionine-tRNA synthetase	-3.02	0.64	0.70
A_51_P191077	NM_207683	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gan	-2.93	0.64	0.81
A_52_P463143	NM_016742	Cdc37	12539	cell division cycle 37 homolog (<i>S. cerevisiae</i>)	-2.87	0.63	0.92
A_51_P133953	AV030849	NA	NA	NA	-3.02	0.63	0.70
A_52_P389347	NM_023348	Snap29	67474	synaptosomal-associated protein 29	-4.15	0.63	0.11
A_52_P54516	NM_029752	Bri3bp	76809	Bri3 binding protein	-3.03	0.63	0.68
A_52_P348189	NM_027221	Krtcap3	69815	keratinocyte associated protein 3	-3.05	0.63	0.66
A_51_P193935	NM_008650	Mut	17850	methyalmalonyl-Coenzyme A mutase	-3.15	0.63	0.55

A_52_P653932	NM_025780	Thap2	66816	THAP domain containing, apoptosis associated protein 2	-3.22	0.63	0.49
A_51_P408082	NM_009692	Apoa1	11806	apolipoprotein A-I	-3.60	0.63	0.26
A_52_P250865	CJ243128	NA	NA	NA	-2.91	0.63	0.85
A_51_P234544	NM_018745	Azin1	54375	antizyme inhibitor 1	-3.46	0.63	0.33
A_52_P297276	NM_177616	Ccdc157	216516	coiled-coil domain containing 157	-3.77	0.63	0.19
A_51_P515937	NM_144908	Galnt11	231050	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acet	-2.83	0.63	0.98
A_51_P481293	NM_026949	Cnot8	69125	CCR4-NOT transcription complex, subunit 8	-3.45	0.63	0.33
A_52_P674808	NA	NA	NA	NA	-3.80	0.63	0.17
A_51_P442990	NM_028233	Lrpprc	72416	leucine-rich PPR-motif containing	-3.65	0.63	0.24
A_52_P606303	NM_053159	Mrpl3	94062	mitochondrial ribosomal protein L3	-5.01	0.63	0.00
A_51_P416408	NM_181820	Tmc4	353499	transmembrane channel-like gene family 4	-2.87	0.63	0.92
A_51_P419086	NM_183358	Gadd45gip	102060	growth arrest and DNA-damage-inducible, gamma intera	-2.82	0.63	0.99
A_51_P386612	NM_027153	Pir	69656	pirin	-2.89	0.63	0.87
A_51_P155966	NM_029797	Mnd1	76915	meiotic nuclear divisions 1 homolog (S. cerevisiae)	-3.16	0.63	0.55
A_52_P909310	NM_011694	Vdac1	22333	voltage-dependent anion channel 1	-4.73	0.63	0.06
A_51_P383857	NM_031499	Prp2	83380	proline rich protein 2	-3.04	0.63	0.67
A_52_P519538	NM_172712	Uba6	231380	ubiquitin-like modifier activating enzyme 6	-2.82	0.63	0.99
A_52_P463968	NM_008738	Nrtn	18188	neurturin	-4.75	0.63	0.07
A_51_P129557	NM_028756	Slc35a5	74102	solute carrier family 35, member A5	-3.14	0.63	0.58
A_52_P569276	NM_001003	Masp2	17175	mannan-binding lectin serine peptidase 2	-3.28	0.63	0.42
A_51_P300506	NM_183405	Cox6b2	333182	cytochrome c oxidase subunit VIb polypeptide 2	-2.97	0.63	0.75
A_51_P272586	NM_027727	Dym	69190	dymeclin	-3.02	0.63	0.70
A_52_P528634	NM_152817	Ttc27	74196	tetratricopeptide repeat domain 27	-3.39	0.63	0.36
A_51_P365468	NM_009191	Clpb	20480	ClpB caseinolytic peptidase B homolog (E. coli)	-4.99	0.63	0.00
A_51_P106799	NM_011146	Pparg	19016	peroxisome proliferator activated receptor gamma	-3.78	0.63	0.19
A_51_P191700	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-3.89	0.63	0.16
A_51_P298997	NM_177266	Gfm2	320806	G elongation factor, mitochondrial 2	-4.42	0.63	0.09
A_51_P409559	AK043558	NA	NA	NA	-3.42	0.63	0.34
A_51_P466270	NM_010417	Heph	15203	hephaestin	-4.21	0.63	0.11
A_51_P220414	NM_019941	Zfp235	56525	zinc finger protein 235	-3.81	0.63	0.17
A_51_P293575	AK089462	4930402H2	228602	RIKEN cDNA 4930402H24 gene	-2.99	0.63	0.72
A_51_P191865	U12147	Lama2	16773	laminin, alpha 2	-3.96	0.63	0.15
A_52_P553171	NM_178622	Suds3	71954	suppressor of defective silencing 3 homolog (S. cerevisiae)	-5.51	0.62	0.00
A_51_P467770	NM_028874	Snx19	102607	sorting nexin 19	-2.86	0.62	0.93

A_51_P141772	NM_144873	Uhrf2	109113	ubiquitin-like, containing PHD and RING finger domains 2	-4.01	0.62	0.12
A_52_P260629	NM_027769	Cpne3	70568	copine III	-4.02	0.62	0.12
A_51_P387248	NM_134135	Slc39a3	106947	solute carrier family 39 (zinc transporter), member 3	-3.74	0.62	0.21
A_52_P917365	AV141866	NA	NA	NA	-3.47	0.62	0.32
A_51_P424709	NM_183297	Nxph4	104080	neurexophilin 4	-3.10	0.62	0.60
A_52_P234695	XM_896388	NA	NA	NA	-3.32	0.62	0.40
A_51_P381360	NM_023312	Ndufa13	67184	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,	-5.09	0.62	0.00
A_51_P238734	NM_178620	Mfsd11	69900	major facilitator superfamily domain containing 11	-3.33	0.62	0.40
A_51_P506045	NM_176073	Pgcp	54381	plasma glutamate carboxypeptidase	-3.32	0.62	0.40
A_52_P405795	AK054073	Zfp826	414758	zinc finger protein 826	-2.91	0.62	0.85
A_51_P269554	NM_010439	Hmgb1	15289	high mobility group box 1	-3.44	0.62	0.35
A_51_P151214	NM_133882	C8b	110382	complement component 8, beta polypeptide	-3.29	0.62	0.43
A_52_P105801	AK140163	Arsb	11881	arylsulfatase B	-3.26	0.62	0.46
A_51_P381763	Z14986	Amd1	11702	S-adenosylmethionine decarboxylase 1	-3.10	0.62	0.60
A_52_P137293	BC038492	Stradb	227154	STE20-related kinase adaptor beta	-3.42	0.62	0.34
A_52_P595140	NM_198030	Hsd17b13	243168	hydroxysteroid (17-beta) dehydrogenase 13	-2.92	0.62	0.82
A_52_P276848	AK035801	NA	NA	NA	-4.79	0.62	0.07
A_51_P431734	NM_177869	Fam185a	330050	family with sequence similarity 185, member A	-3.10	0.62	0.60
A_51_P369311	NM_015760	Nox4	50490	NADPH oxidase 4	-3.37	0.62	0.37
A_52_P319161	NM_019641	Stmn1	16765	stathmin 1	-2.89	0.62	0.87
A_52_P392121	NM_028763	Cbx6	494448	chromobox homolog 6	-3.02	0.62	0.70
A_52_P33067	AK080164	NA	NA	NA	-3.30	0.62	0.43
A_51_P438293	AK133701	Smarcal1	54380	SWI/SNF related matrix associated, actin dependent regu	-3.52	0.62	0.29
A_51_P157554	NM_012047	Brd7	26992	bromodomain containing 7	-4.16	0.62	0.11
A_52_P94201	NM_009306	Syt1	20979	synaptotagmin I	-3.87	0.62	0.16
A_52_P590392	NM_016676	Rab10	19325	RAB10, member RAS oncogene family	-3.65	0.62	0.24
A_51_P448464	NM_010767	Masp2	17175	mannan-binding lectin serine peptidase 2	-3.29	0.62	0.43
A_52_P33498	NM_026697	Rab14	68365	RAB14, member RAS oncogene family	-2.83	0.62	0.98
A_52_P173526	XM_287555	Thsd7a	330267	thrombospondin, type I, domain containing 7A	-3.26	0.62	0.45
A_52_P380465	NM_001035	Zfp748	212276	zinc finger protein 748	-3.99	0.62	0.12
A_52_P471143	AK151452	Pusl1	433813	pseudouridylate synthase-like 1	-4.86	0.62	0.07
A_51_P336161	NM_010764	Man2b1	17159	mannosidase 2, alpha B1	-5.37	0.62	0.00
A_51_P110341	NM_170727	Scgb3a1	68662	secretoglobin, family 3A, member 1	-3.95	0.62	0.14
A_51_P143855	NM_026402	Atg3	67841	autophagy-related 3 (yeast)	-3.63	0.62	0.25

A_51_P502107	XM_355637	NA	NA	NA		-3.06	0.62	0.65
A_51_P435198	NM_009968	Cryz	12972	crystallin, zeta		-3.80	0.62	0.17
A_51_P358037	BC026627	Abi3bp	320712	ABI gene family, member 3 (NESH) binding protein		-4.49	0.62	0.05
A_52_P14444	NM_027250	2010305A1	69893	RIKEN cDNA 2010305A19 gene		-3.54	0.62	0.29
A_51_P432659	NM_008822	Pex7	18634	peroxisomal biogenesis factor 7		-3.37	0.62	0.38
A_51_P520139	XM_620762	Gm5918	546143	predicted gene 5918		-3.04	0.62	0.67
A_51_P119715	NM_026794	Deb1	26901	differentially expressed in B16F10 1		-2.86	0.62	0.92
A_52_P117313	NM_018745	Azin1	54375	antizyme inhibitor 1		-6.16	0.62	0.00
A_51_P201904	NM_025316	Ndufb5	66046	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5		-2.88	0.62	0.91
A_51_P291260	XM_976153	NA	NA	NA		-3.32	0.62	0.40
A_51_P277588	XM_884719	NA	NA	NA		-3.84	0.62	0.18
A_51_P502225	NM_019687	Slc22a4	30805	solute carrier family 22 (organic cation transporter), men		-2.88	0.62	0.91
A_51_P495485	NM_028264	Tmem55a	72519	transmembrane protein 55A		-3.16	0.62	0.55
A_52_P98100	AK161732	Dcxr	67880	dicarbonyl L-xylulose reductase		-3.41	0.62	0.34
A_51_P150996	AK032738	6720422M	99946	RIKEN cDNA 6720422M22 gene		-4.83	0.62	0.07
A_52_P314421	AK047174	Fbxo30	71865	F-box protein 30		-4.09	0.62	0.10
A_52_P297113	NM_013584	Lifr	16880	leukemia inhibitory factor receptor		-3.55	0.62	0.27
A_52_P560620	NM_145215	Abhd11	68758	abhydrolase domain containing 11		-2.91	0.62	0.85
A_51_P413097	NM_027421	Ints2	70422	integrator complex subunit 2		-2.98	0.62	0.72
A_52_P282905	XM_901524	NA	NA	NA		-3.13	0.62	0.58
A_51_P483483	NM_028726	4632404H1	74034	RIKEN cDNA 4632404H12 gene		-2.86	0.62	0.93
A_51_P247441	NM_144870	Ndufs8	225887	NADH dehydrogenase (ubiquinone) Fe-S protein 8		-3.64	0.62	0.24
A_52_P7183	BC033455	0610007L0	71667	RIKEN cDNA 0610007L01 gene		-3.04	0.62	0.67
A_51_P211880	NM_030026	Mccc2	78038	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)		-3.18	0.62	0.53
A_51_P106952	BC029079	Rbm26	74213	RNA binding motif protein 26		-5.01	0.62	0.00
A_51_P453398	AK122546	2310044G1	217732	RIKEN cDNA 2310044G17 gene		-3.69	0.62	0.22
A_51_P173961	NM_178939	Pdrg1	68559	p53 and DNA damage regulated 1		-3.03	0.61	0.68
A_52_P603290	AB015858	Mycbp	56309	c-myc binding protein		-4.13	0.61	0.10
A_52_P599238	NM_026274	Rspry1	67610	ring finger and SPRY domain containing 1		-3.50	0.61	0.31
A_51_P378807	XM_126489	NA	NA	NA		-3.05	0.61	0.66
A_51_P378087	NM_020615	Atp5c1	11949	ATP synthase, H ⁺ transporting, mitochondrial F1 complex		-5.49	0.61	0.00
A_52_P412506	NM_008649	Mup5	17844	major urinary protein 5		-3.80	0.61	0.17
A_52_P32683	XM_001002	NA	NA	NA		-3.02	0.61	0.70
A_51_P247184	NM_008728	Npr3	18162	natriuretic peptide receptor 3		-4.52	0.61	0.05

A_52_P656418	AK145182	Met	17295	met proto-oncogene	-3.56	0.61	0.27
A_52_P682982	NM_013742	Cars	27267	cysteinyl-tRNA synthetase	-4.41	0.61	0.09
A_51_P472372	BC061503	Ttc17	74569	tetratricopeptide repeat domain 17	-3.42	0.61	0.34
A_52_P478790	NA	NA	NA	NA	-5.49	0.61	0.00
A_51_P116137	NM_008377	Lrig1	16206	leucine-rich repeats and immunoglobulin-like domains 1	-3.78	0.61	0.19
A_51_P511646	NM_029561	Ndfip2	76273	Nedd4 family interacting protein 2	-2.99	0.61	0.71
A_52_P324042	BC037008	Serpina1b	20701	serine (or cysteine) preptidase inhibitor, clade A, membe	-5.85	0.61	0.00
A_52_P398974	NM_012065	Pde6g	18588	phosphodiesterase 6G, cGMP-specific, rod, gamma	-3.46	0.61	0.33
A_51_P234470	AF213390	lpo8	320727	importin 8	-2.99	0.61	0.72
A_52_P477269	NA	NA	NA	NA	-3.02	0.61	0.70
A_52_P1131944	AK037456	A130019P1399617		RIKEN cDNA A130019P10 gene	-3.22	0.61	0.49
A_52_P190744	NM_001038	Rnpc3	67225	RNA-binding region (RNP1, RRM) containing 3	-4.42	0.61	0.09
A_52_P601021	NM_026979	C1qtnf2	69183	C1q and tumor necrosis factor related protein 2	-3.00	0.61	0.70
A_52_P432570	NM_175343	Chdh	218865	choline dehydrogenase	-2.91	0.61	0.85
A_51_P153053	NM_020561	Smpd3a	57319	sphingomyelin phosphodiesterase, acid-like 3A	-4.36	0.61	0.09
A_52_P74144	BC034114	Snx29	74478	sorting nexin 29	-3.21	0.61	0.50
A_52_P5982	AK032421	Clpb	20480	ClpB caseinolytic peptidase B homolog (E. coli)	-4.71	0.61	0.06
A_51_P414160	NM_027935	Tmem50a	71817	transmembrane protein 50A	-3.73	0.61	0.21
A_52_P559557	NM_001033	BC026585	226527	cDNA sequence BC026585	-2.88	0.61	0.89
A_52_P964362	AW455994	NA	NA	NA	-3.57	0.61	0.27
A_51_P127297	NM_008288	Hsd11b1	15483	hydroxysteroid 11-beta dehydrogenase 1	-3.12	0.61	0.60
A_51_P423859	NM_007601	Capn3	12335	calpain 3	-3.33	0.61	0.40
A_51_P437697	NM_011826	Hax1	23897	HCLS1 associated X-1	-3.41	0.61	0.34
A_51_P319449	NM_144784	Acat1	110446	acetyl-Coenzyme A acetyltransferase 1	-3.71	0.61	0.20
A_51_P295610	NM_025567	Cyc1	66445	cytochrome c-1	-3.56	0.61	0.28
A_51_P196605	NM_026880	Pink1	68943	PTEN induced putative kinase 1	-2.81	0.61	1.02
A_52_P296682	NM_030262	Pofut2	80294	protein O-fucosyltransferase 2	-3.34	0.61	0.40
A_52_P335892	BC056383	Luc7l2	192196	LUC7-like 2 (S. cerevisiae)	-3.62	0.61	0.25
A_51_P452323	NM_016701	Nes	18008	nestin	-3.01	0.61	0.70
A_51_P210350	NM_182959	Slc17a8	216227	solute carrier family 17 (sodium-dependent inorganic ph	-3.83	0.61	0.18
A_51_P106373	NM_025321	Sdhc	66052	succinate dehydrogenase complex, subunit C, integral me	-3.75	0.61	0.21
A_52_P635250	AK051570	Lrrc16a	68732	leucine rich repeat containing 16A	-3.53	0.61	0.28
A_51_P474709	AK008216	Ccdc109a	215999	coiled-coil domain containing 109A	-3.31	0.61	0.40
A_52_P893095	NA	NA	NA	NA	-5.16	0.61	0.00

A_51_P308961	NM_008254	Hmgcl	15356	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	-5.55	0.61	0.00
A_52_P321318	BC012020	NA	NA	NA	-3.25	0.60	0.47
A_51_P295797	AK005616	Ccdc30	73332	coiled-coil domain containing 30	-2.81	0.60	1.02
A_51_P269084	NM_175329	Chchd10	103172	coiled-coil-helix-coiled-coil-helix domain containing 10	-4.25	0.60	0.08
A_52_P346037	NM_013777	Akr1c12	622402	aldo-keto reductase family 1, member C12	-2.97	0.60	0.75
A_52_P677963	NM_026951	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-3.16	0.60	0.55
A_51_P494622	AK144842	Ttc13	234875	tetratricopeptide repeat domain 13	-4.05	0.60	0.13
A_51_P109835	NM_025407	Uqcrc1	22273	ubiquinol-cytochrome c reductase core protein 1	-6.30	0.60	0.00
A_52_P172711	AK080470	Srr	27364	serine racemase	-3.32	0.60	0.40
A_52_P375939	AK029391	Pex11c	69129	peroxisomal biogenesis factor 11 gamma	-3.98	0.60	0.12
A_52_P174872	AK028820	C030015A177418		RIKEN cDNA C030015A19 gene	-2.99	0.60	0.72
A_51_P470414	NM_138600	Aldh7a1	110695	aldehyde dehydrogenase family 7, member A1	-4.91	0.60	0.08
A_51_P256842	NM_029887	Yif1b	77254	Yip1 interacting factor homolog B (<i>S. cerevisiae</i>)	-3.28	0.60	0.42
A_52_P321584	NA	NA	NA	NA	-2.84	0.60	0.96
A_51_P296796	NM_027289	Nt5dc2	70021	5'-nucleotidase domain containing 2	-3.54	0.60	0.29
A_52_P24843	NM_008960	Pten	19211	phosphatase and tensin homolog	-3.11	0.60	0.60
A_51_P172475	NM_011309	S100a1	20193	S100 calcium binding protein A1	-3.27	0.60	0.45
A_51_P284867	AK052031	D230038C2328872		hypothetical protein D230038C21	-3.46	0.60	0.33
A_52_P31155	NM_177577	Dcdc2a	195208	doublecortin domain containing 2a	-2.96	0.60	0.76
A_51_P334318	NM_027363	2010110P070261		RIKEN cDNA 2010110P09 gene	-2.83	0.60	0.98
A_52_P134899	NM_001044	Zfp2	22678	zinc finger protein 2	-3.14	0.60	0.58
A_51_P512627	NM_021482	Syngn4	58867	synaptogyrin 4	-2.94	0.60	0.79
A_51_P344407	NM_013543	H2-Ke6	14979	H2-K region expressed gene 6	-3.65	0.60	0.24
A_51_P367343	NM_013716	G3bp1	27041	Ras-GTPase-activating protein SH3-domain binding prote	-4.04	0.60	0.13
A_52_P244132	NM_025478	Isoc1	66307	isochorismatase domain containing 1	-3.71	0.60	0.20
A_52_P638895	NM_001025	Vegfa	22339	vascular endothelial growth factor A	-3.26	0.60	0.45
A_51_P449777	NM_022995	Pmepa1	65112	prostate transmembrane protein, androgen induced 1	-3.63	0.60	0.25
A_51_P132625	NM_053262	Hsd17b11	114664	hydroxysteroid (17-beta) dehydrogenase 11	-4.63	0.60	0.06
A_51_P158598	NM_146027	Scrn2	217140	secernin 2	-2.81	0.60	1.02
A_52_P307142	XM_895387	2210408F273652		RIKEN cDNA 2210408F21 gene	-2.95	0.60	0.78
A_51_P168171	NM_024168	Tsen34	66078	tRNA splicing endonuclease 34 homolog (<i>S. cerevisiae</i>)	-3.00	0.60	0.71
A_52_P323259	NA	NA	NA	NA	-2.93	0.60	0.81
A_52_P331215	AK161721	Tlcd1	68385	TLC domain containing 1	-3.16	0.60	0.55
A_51_P352381	NM_030686	Dhrs4	28200	dehydrogenase/reductase (SDR family) member 4	-3.75	0.60	0.21

A_52_P299535	NM_134117	Pkdcc	106522	protein kinase domain containing, cytoplasmic	-3.13	0.60	0.58
A_52_P542496	NM_130861	Slco1a5	108096	solute carrier organic anion transporter family, member :	-5.26	0.60	0.00
A_51_P113403	NM_178743	Slc26a11	268512	solute carrier family 26, member 11	-3.39	0.60	0.36
A_52_P604025	AK032842	Gm5081	328099	predicted gene 5081	-2.97	0.60	0.74
A_52_P431872	NM_027275	Ptcd3	69956	pentatricopeptide repeat domain 3	-2.84	0.60	0.96
A_51_P272993	NM_172290	Ntm	235106	neurotrimin	-7.99	0.60	0.00
A_52_P348038	NM_016663	Syt3	20981	synaptotagmin III	-4.06	0.60	0.13
A_51_P272817	NM_008928	Map2k3	26397	mitogen-activated protein kinase kinase 3	-3.04	0.60	0.68
A_52_P385896	NM_001038	Atp8a1	11980	ATPase, aminophospholipid transporter (APLT), class I, ty	-3.53	0.60	0.29
A_51_P496309	NM_001024	Rfx4	71137	regulatory factor X, 4 (influences HLA class II expression)	-3.82	0.60	0.18
A_52_P236176	AK011873	Cct4	12464	chaperonin containing Tcp1, subunit 4 (delta)	-2.84	0.60	0.96
A_52_P202055	NM_144545	Eif3j	78655	eukaryotic translation initiation factor 3, subunit J	-4.18	0.60	0.11
A_52_P519416	BC060186	Rbbp5	213464	retinoblastoma binding protein 5	-3.60	0.60	0.26
A_52_P963729	AK053988	NA	NA	NA	-3.08	0.60	0.62
A_52_P134530	AK152971	Rbm47	245945	RNA binding motif protein 47	-6.34	0.60	0.00
A_51_P319879	NM_007382	Acadm	11364	acyl-Coenzyme A dehydrogenase, medium chain	-4.58	0.60	0.06
A_51_P402435	NM_026508	Trap1	68015	TNF receptor-associated protein 1	-4.38	0.60	0.09
A_51_P207636	NM_016774	Atp5b	11947	ATP synthase, H+ transporting mitochondrial F1 complex	-4.70	0.60	0.06
A_51_P294550	NM_019829	Stx5a	56389	syntaxin 5A	-3.18	0.59	0.53
A_51_P302588	NM_025313	Atp5d	66043	ATP synthase, H+ transporting, mitochondrial F1 complex	-3.73	0.59	0.21
A_51_P324410	NM_016862	Vti1a	53611	vesicle transport through interaction with t-SNAREs hom	-2.81	0.59	1.02
A_51_P162313	NM_183099	Tssk5	73542	testis-specific serine kinase 5	-3.60	0.59	0.26
A_52_P499980	NM_146135	Pias3	229615	protein inhibitor of activated STAT 3	-4.38	0.59	0.09
A_51_P131084	NM_145615	Etfa	110842	electron transferring flavoprotein, alpha polypeptide	-5.32	0.59	0.00
A_51_P418259	NM_025835	Pccb	66904	propionyl Coenzyme A carboxylase, beta polypeptide	-4.44	0.59	0.10
A_51_P491227	NM_019879	Suclg1	56451	succinate-CoA ligase, GDP-forming, alpha subunit	-6.83	0.59	0.00
A_52_P144285	NM_175382	Fam72a	108900	family with sequence similarity 72, member A	-3.10	0.59	0.60
A_51_P266964	NM_177732	Slc35d1	242585	solute carrier family 35 (UDP-glucuronic acid/UDP-N-acet	-4.01	0.59	0.12
A_52_P532841	NM_146170	C87436	232196	expressed sequence C87436	-3.66	0.59	0.24
A_51_P402414	NM_025504	Atp5sl	66349	ATP5S-like	-3.16	0.59	0.55
A_52_P620893	BC030311	Armc8	74125	armadillo repeat containing 8	-4.75	0.59	0.07
A_52_P650288	NM_029963	Mrps5	77721	mitochondrial ribosomal protein S5	-4.00	0.59	0.12
A_52_P394111	NA	NA	NA	NA	-4.23	0.59	0.08
A_51_P516097	AK147204	Cyld	74256	cylindromatosis (turban tumor syndrome)	-2.82	0.59	0.99

A_51_P435817	NM_028603	Zbtb8a	73680	zinc finger and BTB domain containing 8a	-3.06	0.59	0.65
A_52_P327927	NA	NA	NA	NA	-4.10	0.59	0.10
A_52_P598478	AK145337	Chchd3	66075	coiled-coil-helix-coiled-coil-helix domain containing 3	-3.08	0.59	0.62
A_51_P252859	NM_010516	Cyr61	16007	cysteine rich protein 61	-2.95	0.59	0.78
A_51_P285413	NM_175023	Rbbp6	19647	retinoblastoma binding protein 6	-3.06	0.59	0.65
A_52_P598495	NM_009245	Serpina1c	20702	serine (or cysteine) peptidase inhibitor, clade A, member	-3.99	0.59	0.12
A_51_P135394	NM_019758	Mtch2	56428	mitochondrial carrier homolog 2 (C. elegans)	-4.20	0.59	0.11
A_52_P354306	NM_028730	Pex26	74043	peroxisomal biogenesis factor 26	-3.83	0.59	0.18
A_52_P432787	NM_026794	Deb1	26901	differentially expressed in B16F10 1	-3.17	0.59	0.55
A_52_P409746	NM_080844	Serpinc1	11905	serine (or cysteine) peptidase inhibitor, clade C (antithroi	-4.48	0.59	0.05
A_52_P437662	NM_013884	Cspg5	29873	chondroitin sulfate proteoglycan 5	-3.04	0.59	0.68
A_51_P243304	NM_016905	Galk1	14635	galactokinase 1	-4.49	0.59	0.05
A_52_P523569	NM_053014	Agpat3	28169	1-acylglycerol-3-phosphate O-acyltransferase 3	-3.40	0.59	0.36
A_51_P310548	NM_133676	Osgep	66246	O-sialoglycoprotein endopeptidase	-3.55	0.59	0.29
A_51_P128973	NM_013474	Apoa2	11807	apolipoprotein A-II	-4.09	0.59	0.10
A_51_P128491	NM_015749	Tcn2	21452	transcobalamin 2	-3.14	0.59	0.58
A_52_P1124330	AK082375	NA	NA	NA	-3.12	0.59	0.59
A_51_P179647	NA	NA	NA	NA	-3.06	0.59	0.66
A_52_P34043	NM_011151	Ppm1b	19043	protein phosphatase 1B, magnesium dependent, beta isc	-4.14	0.59	0.11
A_52_P325388	AK080904	Ttc39c	72747	tetratricopeptide repeat domain 39C	-3.21	0.59	0.50
A_52_P367745	NM_007383	Acads	11409	acyl-Coenzyme A dehydrogenase, short chain	-4.19	0.59	0.11
A_52_P547234	NM_138599	Tomm70a	28185	translocase of outer mitochondrial membrane 70 homolc	-3.14	0.59	0.58
A_51_P327539	NM_146950	Olfr341	258952	olfactory receptor 341	-2.85	0.59	0.95
A_51_P299309	NM_024465	Abhd12	76192	abhydrolase domain containing 12	-3.70	0.59	0.22
A_52_P305053	NM_177163	NA	NA	NA	-3.88	0.59	0.16
A_51_P372147	NM_025292	Synj2bp	24071	synaptojanin 2 binding protein	-3.18	0.59	0.53
A_51_P312517	NM_008058	Fzd8	14370	frizzled homolog 8 (Drosophila)	-4.95	0.59	0.09
A_51_P407304	AK169346	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-3.05	0.59	0.66
A_51_P153565	NM_008360	Il18	16173	interleukin 18	-4.24	0.58	0.08
A_52_P226664	AK040520	Thsd4	207596	thrombospondin, type I, domain containing 4	-4.60	0.58	0.06
A_51_P516637	NM_007555	Bmp5	12160	bone morphogenetic protein 5	-3.26	0.58	0.45
A_52_P795929	AK081614	NA	NA	NA	-3.28	0.58	0.44
A_51_P187665	NM_028904	Rmi1	74386	RMI1, RecQ mediated genome instability 1, homolog (S. c	-2.86	0.58	0.92
A_52_P256757	NM_144816	Rhbdl1	214951	rhomboid, veinlet-like 1 (Drosophila)	-3.91	0.58	0.14

A_52_P796840	NM_0010251	BC026782	545366	cDNA sequence BC026782	-3.08	0.58	0.62
A_52_P232071	NA	NA	NA	NA	-3.75	0.58	0.19
A_52_P18972	NM_146141	Ppa2	74776	pyrophosphatase (inorganic) 2	-4.19	0.58	0.11
A_52_P102207	BY718203	NA	NA	NA	-7.20	0.58	0.00
A_52_P539414	NM_181410	Gtf2h3	209357	general transcription factor IIH, polypeptide 3	-3.50	0.58	0.31
A_52_P522372	NM_175503	Aard	239435	alanine and arginine rich domain containing protein	-3.52	0.58	0.28
A_51_P322000	XM_130308	NA	NA	NA	-3.61	0.58	0.25
A_52_P1069274	NA	NA	NA	NA	-3.22	0.58	0.49
A_51_P474151	NM_177746	Awat2	245532	acyl-CoA wax alcohol acyltransferase 2	-4.47	0.58	0.05
A_52_P803668	AK137981	2810021B0	66308	RIKEN cDNA 2810021B07 gene	-4.04	0.58	0.13
A_52_P2224	AF213385	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-2.91	0.58	0.85
A_52_P195772	AJ237846	Rbmx	19655	RNA binding motif protein, X chromosome	-3.16	0.58	0.55
A_52_P38964	AK131167	Lrch4	231798	leucine-rich repeats and calponin homology (CH) domain	-3.77	0.58	0.19
A_51_P332932	AK016814	4933415A0	75727	RIKEN cDNA 4933415A04 gene	-4.25	0.58	0.08
A_51_P155482	NM_011132	Pole	18973	polymerase (DNA directed), epsilon	-3.11	0.58	0.60
A_51_P210603	NM_130882	Cyp4f13	170716	cytochrome P450, family 4, subfamily f, polypeptide 13	-4.86	0.58	0.07
A_52_P764573	NA	NA	NA	NA	-2.90	0.58	0.87
A_51_P300143	NM_025650	Uqcr11	66594	ubiquinol-cytochrome c reductase, complex III subunit XI	-4.90	0.58	0.08
A_52_P670745	NM_025374	Glo1	109801	glyoxalase 1	-4.01	0.58	0.12
A_51_P334019	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-3.51	0.58	0.29
A_51_P363090	NM_026641	Ift80	68259	intraflagellar transport 80 homolog (Chlamydomonas)	-3.40	0.58	0.36
A_52_P324986	NM_009275	Srprb	20818	signal recognition particle receptor, B subunit	-4.55	0.58	0.05
A_52_P267824	NM_197999	2210023G0	72361	RIKEN cDNA 2210023G05 gene	-4.10	0.58	0.10
A_51_P340947	NM_027905	1300018J1	223776	RIKEN cDNA 1300018J18 gene	-2.81	0.58	1.02
A_52_P77793	NM_015818	Hs6st1	50785	heparan sulfate 6-O-sulfotransferase 1	-3.55	0.58	0.27
A_52_P1107346	AK018397	2610002M0	67028	RIKEN cDNA 2610002M06 gene	-5.42	0.58	0.00
A_52_P290088	AK021293	Stbd1	52331	starch binding domain 1	-4.15	0.58	0.11
A_52_P175028	XM_991907	NA	NA	NA	-3.23	0.58	0.49
A_51_P379597	NM_145518	Ndufs1	227197	NADH dehydrogenase (ubiquinone) Fe-S protein 1	-4.52	0.58	0.05
A_51_P439348	NM_028262	Setd3	52690	SET domain containing 3	-5.46	0.58	0.00
A_52_P130972	BC022180	B4galnt1	14421	beta-1,4-N-acetyl-galactosaminyl transferase 1	-3.97	0.58	0.15
A_52_P311566	NM_016961	Mapk9	26420	mitogen-activated protein kinase 9	-2.81	0.58	1.02
A_51_P298486	NM_026225	Cog6	67542	component of oligomeric golgi complex 6	-3.14	0.58	0.58
A_51_P408382	NM_0010051	Itgb4	192897	integrin beta 4	-3.01	0.58	0.70

A_52_P454950	NM_009458	Ube2b	22210	ubiquitin-conjugating enzyme E2B, RAD6 homology (S. ce	-4.13	0.58	0.10
A_52_P35064	NM_028454	Tm7sf2	73166	transmembrane 7 superfamily member 2	-3.73	0.58	0.21
A_51_P329283	AK078133	Senp5	320213	SUMO/sentrin specific peptidase 5	-3.16	0.58	0.55
A_52_P253317	XM_980129	NA	NA	NA	-3.99	0.58	0.12
A_51_P454196	AK008803	Sh2d4a	72281	SH2 domain containing 4A	-5.40	0.58	0.00
A_52_P37980	AK037216	A030011A1319515		RIKEN cDNA A030011A13 gene	-3.48	0.58	0.32
A_52_P68419	NM_175164	Arhgap26	71302	Rho GTPase activating protein 26	-3.37	0.58	0.38
A_51_P457492	NM_025791	Tmem223	66836	transmembrane protein 223	-3.48	0.58	0.32
A_51_P101545	NM_019447	Hgfac	54426	hepatocyte growth factor activator	-3.11	0.58	0.60
A_52_P427240	XM_128374	NA	NA	NA	-3.10	0.58	0.60
A_52_P637199	NM_025844	Chordc1	66917	cysteine and histidine-rich domain (CHORD)-containing, z	-4.50	0.58	0.05
A_51_P408749	AK169756	4933439C174476		RIKEN cDNA 4933439C10 gene	-3.01	0.58	0.70
A_52_P242724	AK122311	Opa1	74143	optic atrophy 1 homolog (human)	-4.11	0.58	0.10
A_52_P77867	NA	NA	NA	NA	-4.25	0.58	0.08
A_51_P444052	NM_011327	Scp2	20280	sterol carrier protein 2, liver	-3.10	0.58	0.60
A_51_P272227	BC111913	Tmem89	69384	transmembrane protein 89	-3.07	0.58	0.63
A_51_P315931	AF323958	Slco2a1	24059	solute carrier organic anion transporter family, member :	-3.86	0.58	0.16
A_52_P432052	XM_979393	4930515G175098		RIKEN cDNA 4930515G13 gene	-3.07	0.58	0.63
A_52_P281909	AK015982	493053511675220		RIKEN cDNA 4930535116 gene	-4.37	0.57	0.09
A_52_P555537	AK035703	2810008D076972		RIKEN cDNA 2810008D09 gene	-3.06	0.57	0.65
A_51_P254181	NM_029629	Fahd2a	68126	fumarylacetoacetate hydrolase domain containing 2A	-4.79	0.57	0.07
A_51_P450812	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-3.01	0.57	0.70
A_51_P176854	NM_027175	Ndufaf1	69702	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,	-4.50	0.57	0.05
A_51_P216219	NM_007982	Ptk2	14083	PTK2 protein tyrosine kinase 2	-3.77	0.57	0.19
A_52_P37890	AK088541	Ankrd28	105522	ankyrin repeat domain 28	-4.18	0.57	0.11
A_52_P32081	NM_175357	Crbn	58799	cereblon	-4.15	0.57	0.11
A_51_P172177	NM_001039	Tmco1	68944	transmembrane and coiled-coil domains 1	-3.96	0.57	0.14
A_51_P299709	AK017111	4933438K271270		RIKEN cDNA 4933438K21 gene	-3.39	0.57	0.36
A_52_P207635	NM_001033	Zfc3h1	216345	zinc finger, C3H1-type containing	-3.63	0.57	0.25
A_52_P177341	NM_197980	Cox19	68033	COX19 cytochrome c oxidase assembly homolog (S. cerev	-3.40	0.57	0.35
A_52_P636999	XM_129951	NA	NA	NA	-3.38	0.57	0.38
A_51_P510437	NM_011017	Slc25a15	18408	solute carrier family 25 (mitochondrial carrier ornithine t	-2.90	0.57	0.85
A_52_P450	NM_007711	Clcn3	12725	chloride channel 3	-3.34	0.57	0.40
A_52_P253299	NM_001003	BC030307	103220	cDNA sequence BC030307	-2.93	0.57	0.81

A_51_P306109	AK019683	NA	NA	NA	-3.99	0.57	0.12
A_51_P254864	CB723139	NA	NA	NA	-3.11	0.57	0.60
A_52_P542970	XR_002670	NA	NA	NA	-3.95	0.57	0.14
A_52_P642039	AK032413	Trmt61b	68789	tRNA methyltransferase 61 homolog B (<i>S. cerevisiae</i>)	-3.27	0.57	0.45
A_51_P326346	AK090384	Ppa2	74776	pyrophosphatase (inorganic) 2	-4.35	0.57	0.09
A_51_P351285	NM_008794	Pcsk7	18554	proprotein convertase subtilisin/kexin type 7	-3.28	0.57	0.42
A_52_P59264	NM_026408	Sncap	67847	synuclein, alpha interacting protein (synphilin)	-3.45	0.57	0.33
A_52_P33453	NA	NA	NA	NA	-5.21	0.57	0.00
A_51_P203321	NM_145627	Rbm10	236732	RNA binding motif protein 10	-3.38	0.57	0.36
A_51_P300337	NM_007792	Csrp2	13008	cysteine and glycine-rich protein 2	-2.95	0.57	0.76
A_51_P413740	NM_080845	Ftcd	14317	formiminotransferase cyclodeaminase	-2.89	0.57	0.87
A_51_P269166	NM_021412	Mmp19	58223	matrix metalloproteinase 19	-3.85	0.57	0.16
A_51_P360262	NM_053122	Immp2l	93757	IMP2 inner mitochondrial membrane peptidase-like (<i>S. ci</i>	-3.15	0.57	0.56
A_52_P341708	AK081879	NA	NA	NA	-3.58	0.57	0.26
A_52_P256421	NA	NA	NA	NA	-4.56	0.57	0.06
A_51_P317131	NM_146459	Olfr1215	258451	olfactory receptor 1215	-3.52	0.57	0.29
A_52_P3214	BC053524	lpo7	233726	importin 7	-4.03	0.57	0.13
A_52_P517063	NM_053122	Immp2l	93757	IMP2 inner mitochondrial membrane peptidase-like (<i>S. ci</i>	-3.14	0.57	0.58
A_51_P296905	XM_896000	Ppat	231327	phosphoribosyl pyrophosphate amidotransferase	-3.83	0.57	0.18
A_52_P322535	NM_025479	2810021B0	66308	RIKEN cDNA 2810021B07 gene	-3.06	0.57	0.65
A_51_P448416	AK151452	Pusl1	433813	pseudouridylate synthase-like 1	-5.78	0.57	0.00
A_52_P485433	NM_026246	Mrpl49	18120	mitochondrial ribosomal protein L49	-2.84	0.57	0.96
A_51_P452682	AK076753	Pou5f2	75507	POU domain class 5, transcription factor 2	-3.37	0.57	0.38
A_52_P120968	NM_173010	Ube3a	22215	ubiquitin protein ligase E3A	-4.08	0.57	0.10
A_51_P189269	NM_175341	Mbnl2	105559	muscleblind-like 2	-2.94	0.57	0.78
A_52_P465386	NA	NA	NA	NA	-3.07	0.57	0.65
A_51_P256798	NA	NA	NA	NA	-3.43	0.57	0.34
A_51_P441970	NM_175162	Stox2	71069	storkhead box 2	-3.86	0.57	0.16
A_52_P338199	NM_026378	Dalrd3	67789	DALR anticodon binding domain containing 3	-3.34	0.57	0.40
A_51_P153973	NM_198322	Zfp273	212569	zinc finger protein 273	-2.88	0.57	0.89
A_52_P636724	AK078193	Lamp2	16784	lysosomal-associated membrane protein 2	-3.68	0.57	0.22
A_52_P208613	NM_175027	Fancc	237211	Fanconi anemia, complementation group B	-2.94	0.57	0.79
A_51_P195324	NM_019870	Naa10	56292	N(alpha)-acetyltransferase 10, NatA catalytic subunit	-3.33	0.57	0.40
A_51_P483280	NM_011170	Prnp	19122	prion protein	-3.33	0.57	0.40

A_51_P464981	NM_025735	Map1lc3a	66734	microtubule-associated protein 1 light chain 3 alpha	-4.18	0.57	0.11
A_51_P274173	Z19521	Ldlr	16835	low density lipoprotein receptor	-3.08	0.57	0.62
A_51_P484526	NM_011915	Wif1	24117	Wnt inhibitory factor 1	-3.57	0.56	0.27
A_51_P169128	NM_025879	2410002O2	66975	RIKEN cDNA 2410002O22 gene	-4.72	0.56	0.06
A_51_P261428	D86344	Pdcd4	18569	programmed cell death 4	-4.58	0.56	0.06
A_52_P451775	NM_026580	Otub2	68149	OTU domain, ubiquitin aldehyde binding 2	-3.32	0.56	0.40
A_51_P116932	NM_133664	Lad1	16763	ladinin	-2.84	0.56	0.96
A_52_P29392	NM_013866	Zfp385a	29813	zinc finger protein 385A	-3.40	0.56	0.35
A_52_P485850	XM_976153	NA	NA	NA	-3.05	0.56	0.66
A_51_P158418	AK013449	2810488G0	72842	RIKEN cDNA 2810488G03 gene	-3.46	0.56	0.33
A_52_P1156465	AK083162	Mbd2	17191	methyl-CpG binding domain protein 2	-3.19	0.56	0.52
A_52_P184594	NM_001012	Slc2a9	117591	solute carrier family 2 (facilitated glucose transporter), m	-3.37	0.56	0.38
A_51_P413687	BI905520	Cox19	68033	COX19 cytochrome c oxidase assembly homolog (S. cerev	-4.08	0.56	0.10
A_51_P510997	NM_007511	Atp7b	11979	ATPase, Cu ⁺⁺ transporting, beta polypeptide	-3.28	0.56	0.42
A_51_P275658	NM_016874	Deaf1	54006	deformed epidermal autoregulatory factor 1 (Drosophila)	-3.86	0.56	0.16
A_52_P132165	NM_053262	Hsd17b11	114664	hydroxysteroid (17-beta) dehydrogenase 11	-4.55	0.56	0.05
A_52_P18775	NM_175471	Cyb5rl	230582	cytochrome b5 reductase-like	-3.45	0.56	0.33
A_51_P490198	NM_026398	Pop5	117109	processing of precursor 5, ribonuclease P/MRP family (S.	-3.00	0.56	0.70
A_52_P586062	NA	NA	NA	NA	-3.37	0.56	0.37
A_51_P446003	NM_013764	Dguok	27369	deoxyguanosine kinase	-5.03	0.56	0.00
A_51_P207310	U85089	Txn2	56551	thioredoxin 2	-3.90	0.56	0.16
A_52_P208213	NA	NA	NA	NA	-3.95	0.56	0.14
A_52_P860257	AK085706	BB042571	105057	expressed sequence BB042571	-3.30	0.56	0.42
A_52_P557265	NM_018887	Cyp39a1	56050	cytochrome P450, family 39, subfamily a, polypeptide 1	-2.91	0.56	0.85
A_52_P507305	NM_026347	lah1	67732	isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerev	-4.17	0.56	0.11
A_52_P287219	BC055006	Man2a2	140481	mannosidase 2, alpha 2	-4.43	0.56	0.09
A_52_P232470	NM_001009	Smcr7	237781	Smith-Magenis syndrome chromosome region, candidate	-3.14	0.56	0.58
A_52_P853177	NM_011923	Angptl2	26360	angiopoietin-like 2	-3.08	0.56	0.62
A_52_P170509	NM_011075	Abcb1b	18669	ATP-binding cassette, sub-family B (MDR/TAP), member :	-3.02	0.56	0.70
A_51_P407879	NM_145382	Fam193b	212483	family with sequence similarity 193, member B	-3.95	0.56	0.14
A_51_P295034	NM_010915	Klk1b4	18048	kallikrein 1-related pepidase b4	-3.10	0.56	0.60
A_51_P501473	AK083741	G3bp1	27041	Ras-GTPase-activating protein SH3-domain binding prote	-4.26	0.56	0.08
A_52_P229316	NM_015737	Galnt4	14426	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acet	-3.37	0.56	0.37
A_52_P237102	AK085462	Dpy19l3	233115	dpy-19-like 3 (C. elegans)	-2.92	0.56	0.82

A_51_P482233	BC072655	Slc39a9	328133	solute carrier family 39 (zinc transporter), member 9	-4.80	0.56	0.07
A_51_P105263	NM_201355	Nat14	269854	N-acetyltransferase 14	-2.92	0.56	0.82
A_51_P114287	AK077833	Cpsf6	432508	cleavage and polyadenylation specific factor 6	-4.33	0.56	0.09
A_51_P509140	NM_170760	U2af114	233073	U2 small nuclear RNA auxiliary factor 1-like 4	-3.18	0.56	0.53
A_52_P180565	BC100355	231006110	69662	RIKEN cDNA 2310061104 gene	-2.89	0.56	0.89
A_52_P435042	NM_145143	Mpp4	227157	membrane protein, palmitoylated 4 (MAGUK p55 subfam	-6.67	0.56	0.00
A_52_P403398	AK090147	lhh	16147	Indian hedgehog	-4.15	0.56	0.11
A_51_P227392	NM_133955	Rhou	69581	ras homolog gene family, member U	-3.61	0.56	0.25
A_52_P224323	NM_001013	Pard3	93742	par-3 (partitioning defective 3) homolog (C. elegans)	-3.41	0.56	0.34
A_51_P376138	NM_054094	Acsm1	117147	acyl-CoA synthetase medium-chain family member 1	-3.28	0.56	0.42
A_52_P563340	NA	NA	NA	NA	-3.01	0.56	0.70
A_51_P427151	NM_138671	Nadk	192185	NAD kinase	-4.70	0.56	0.06
A_52_P490863	NM_025403	Nop10	66181	NOP10 ribonucleoprotein homolog (yeast)	-4.54	0.56	0.05
A_51_P504658	NM_207142	Olf1036	258245	olfactory receptor 1036	-3.85	0.56	0.16
A_51_P480982	NM_025374	Glo1	109801	glyoxalase 1	-2.81	0.56	1.02
A_52_P89273	AK051905	Cbx8	30951	chromobox homolog 8 (Drosophila Pc class)	-3.43	0.56	0.34
A_52_P456561	NM_007435	Abcd1	11666	ATP-binding cassette, sub-family D (ALD), member 1	-2.83	0.56	0.98
A_51_P386031	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	-3.96	0.56	0.15
A_52_P116204	NM_001025	Cadm1	54725	cell adhesion molecule 1	-4.56	0.56	0.06
A_52_P67463	AK140938	1810026B0	69170	RIKEN cDNA 1810026B05 gene	-3.62	0.56	0.25
A_51_P429472	NM_024185	Fam188a	66960	family with sequence similarity 188, member A	-3.78	0.56	0.17
A_51_P134551	NM_026452	Coq9	67914	coenzyme Q9 homolog (yeast)	-3.12	0.56	0.59
A_51_P392861	NM_029365	Med25	75613	mediator of RNA polymerase II transcription, subunit 25 l	-3.02	0.56	0.70
A_51_P350048	NM_010361	Gstt2	14872	glutathione S-transferase, theta 2	-3.08	0.56	0.62
A_52_P333902	NM_001033	Slc4a7	218756	solute carrier family 4, sodium bicarbonate cotransporter	-3.17	0.56	0.53
A_52_P66580	BC011139	Gck	103988	glucokinase	-4.43	0.55	0.09
A_52_P663027	AK137889	Stat5b	20851	signal transducer and activator of transcription 5B	-7.00	0.55	0.00
A_52_P380997	NA	NA	NA	NA	-4.16	0.55	0.11
A_52_P627256	AK087889	E330037G1	1102220	RIKEN cDNA E330037G11 gene	-3.65	0.55	0.24
A_52_P391623	NM_028777	Sec14l1	74136	SEC14-like 1 (S. cerevisiae)	-3.11	0.55	0.60
A_51_P211458	AK147382	2700078E1	78832	RIKEN cDNA 2700078E11 gene	-4.26	0.55	0.08
A_52_P172283	NM_130892	Rtn4ip1	170728	reticulon 4 interacting protein 1	-2.86	0.55	0.92
A_52_P290434	AK051849	Fbxl7	448987	F-box and leucine-rich repeat protein 7	-4.02	0.55	0.12
A_52_P363352	NM_172310	Tarsl2	272396	threonyl-tRNA synthetase-like 2	-4.12	0.55	0.10

A_51_P295967	NM_001042	Proc	19123	protein C	-6.15	0.55	0.00
A_51_P476559	NM_027221	Krtcap3	69815	keratinocyte associated protein 3	-3.12	0.55	0.59
A_52_P421133	NM_007533	Bckdha	12039	branched chain ketoacid dehydrogenase E1, alpha polypeptide	-5.29	0.55	0.00
A_52_P669451	AK135586	NA	NA	NA	-3.42	0.55	0.34
A_52_P1189140	AK140790	NA	NA	NA	-6.03	0.55	0.00
A_52_P154347	NM_007899	Ecm1	13601	extracellular matrix protein 1	-3.60	0.55	0.26
A_51_P147562	NM_025343	Rmnd1	66084	required for meiotic nuclear division 1 homolog (S. cerevisiae)	-2.96	0.55	0.75
A_52_P419879	NA	NA	NA	NA	-3.11	0.55	0.60
A_52_P375970	BC075677	Fam38b	667742	family with sequence similarity 38, member B	-3.54	0.55	0.29
A_51_P413005	NM_023543	Chn2	69993	chimerin (chimaerin) 2	-3.20	0.55	0.52
A_51_P339540	NM_009876	Cdkn1c	12577	cyclin-dependent kinase inhibitor 1C (P57)	-3.46	0.55	0.33
A_51_P108659	NM_011134	Pon1	18979	paraoxonase 1	-4.95	0.55	0.09
A_52_P79385	NM_025952	Magt1	67075	magnesium transporter 1	-3.66	0.55	0.24
A_51_P493117	NM_025807	Slc16a9	66859	solute carrier family 16 (monocarboxylic acid transporter)	-4.12	0.55	0.10
A_51_P373441	NM_026948	Cuta	67675	cutA divalent cation tolerance homolog (E. coli)	-3.36	0.55	0.37
A_52_P13568	NM_026341	Nudt13	67725	nudix (nucleoside diphosphate linked moiety X)-type motif 13	-3.11	0.55	0.60
A_51_P209225	NM_133932	Tada3	101206	transcriptional adaptor 3	-3.53	0.55	0.28
A_52_P273477	XM_980330	Scn2a1	110876	sodium channel, voltage-gated, type II, alpha 1	-3.15	0.55	0.56
A_51_P432449	NM_009748	Bet1	12068	blocked early in transport 1 homolog (S. cerevisiae)	-3.03	0.55	0.68
A_52_P597464	NA	NA	NA	NA	-3.23	0.55	0.48
A_51_P491095	NM_028986	Gzf1	74533	GNDF-inducible zinc finger protein 1	-2.89	0.55	0.87
A_52_P595687	NM_018819	Brp44l	55951	brain protein 44-like	-5.15	0.55	0.00
A_52_P52156	XM_973921	Isoc2a	664994	isochorismatase domain containing 2a	-3.87	0.55	0.16
A_51_P517075	NM_011340	Serpinf1	20317	serine (or cysteine) peptidase inhibitor, clade F, member 1	-5.28	0.55	0.00
A_52_P102223	NM_018814	Pcnx	54604	pecanex homolog (Drosophila)	-2.98	0.55	0.74
A_51_P332602	NM_013677	Surf1	20930	surfeit gene 1	-3.72	0.55	0.21
A_52_P487040	BC056642	Rdh9	103142	retinol dehydrogenase 9	-3.16	0.55	0.55
A_52_P108397	NM_146170	C87436	232196	expressed sequence C87436	-3.69	0.55	0.22
A_51_P426994	NM_153591	Nars2	244141	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative)	-4.53	0.55	0.05
A_51_P249302	NM_011994	Abcd2	26874	ATP-binding cassette, sub-family D (ALD), member 2	-3.73	0.55	0.21
A_52_P539540	NM_028262	Setd3	52690	SET domain containing 3	-5.32	0.55	0.00
A_51_P198694	NM_144909	Gckr	231103	glucokinase regulatory protein	-3.96	0.55	0.15
A_52_P764924	AV036172	NA	NA	NA	-2.90	0.55	0.87
A_52_P669425	NA	NA	NA	NA	-2.96	0.55	0.76

A_51_P466633	NM_011391	Slc16a7	20503	solute carrier family 16 (monocarboxylic acid transporter	-3.29	0.55	0.43
A_51_P103929	NM_008591	Met	17295	met proto-oncogene	-3.56	0.55	0.28
A_51_P443920	NA	NA	NA	NA	-3.63	0.55	0.25
A_52_P68674	BC100378	Hjulp	381280	Holliday junction recognition protein	-3.23	0.55	0.48
A_51_P155313	NM_010362	Gsto1	14873	glutathione S-transferase omega 1	-4.12	0.55	0.10
A_51_P379618	NM_011834	Aadat	23923	aminoadipate aminotransferase	-2.83	0.55	0.98
A_52_P836389	DV062564	NA	NA	NA	-3.14	0.55	0.58
A_51_P430082	NM_009437	Tst	22117	thiosulfate sulfurtransferase, mitochondrial	-2.99	0.55	0.71
A_52_P429106	NM_027278	2810432D09	69961	RIKEN cDNA 2810432D09 gene	-4.12	0.55	0.10
A_52_P370878	NM_175489	Osbpl8	237542	oxysterol binding protein-like 8	-3.77	0.55	0.19
A_51_P192523	NM_022657	Fgf23	64654	fibroblast growth factor 23	-3.65	0.55	0.24
A_51_P204845	AK014492	Cugbp1	13046	CUG triplet repeat, RNA binding protein 1	-3.03	0.55	0.68
A_52_P528463	NM_027122	Mfsd3	69572	major facilitator superfamily domain containing 3	-2.88	0.55	0.91
A_52_P316824	AK009255	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-3.19	0.55	0.53
A_51_P465988	AK076333	Ganc	76051	glucosidase, alpha; neutral C	-5.16	0.55	0.00
A_51_P481721	NM_016771	Sult1d1	53315	sulfotransferase family 1D, member 1	-4.03	0.55	0.13
A_52_P656565	NM_145488	Pex6	224824	peroxisomal biogenesis factor 6	-3.65	0.54	0.24
A_52_P271200	NM_029296	1700001C19	75462	RIKEN cDNA 1700001C19 gene	-2.99	0.54	0.71
A_51_P300655	BC082558	Tbccd1	70573	TBCC domain containing 1	-4.53	0.54	0.05
A_51_P345593	NM_009269	Sptlc1	268656	serine palmitoyltransferase, long chain base subunit 1	-6.94	0.54	0.00
A_52_P601996	AK018254	Fbxl17	50758	F-box and leucine-rich repeat protein 17	-3.42	0.54	0.34
A_52_P582767	NM_024436	Rab22a	19334	RAB22A, member RAS oncogene family	-3.08	0.54	0.62
A_51_P174081	NM_146073	Zdhhc14	224454	zinc finger, DHHC domain containing 14	-3.29	0.54	0.43
A_51_P123895	NM_053078	D0H4S114	27528	DNA segment, human D4S114	-3.82	0.54	0.18
A_52_P175679	NM_001007	Gm13023	194227	predicted gene 13023	-4.56	0.54	0.06
A_51_P188108	NM_008480	Lama1	16772	laminin, alpha 1	-3.38	0.54	0.36
A_52_P124429	NM_016665	Stra13	20892	stimulated by retinoic acid 13	-3.16	0.54	0.55
A_52_P281033	NM_019654	Socs5	56468	suppressor of cytokine signaling 5	-4.22	0.54	0.10
A_51_P273928	AK039851	Kdm2a	225876	lysine (K)-specific demethylase 2A	-3.97	0.54	0.15
A_52_P326548	NM_175276	Fhod3	225288	formin homology 2 domain containing 3	-3.05	0.54	0.66
A_51_P477941	NM_013907	Fbxw4	30838	F-box and WD-40 domain protein 4	-3.42	0.54	0.34
A_52_P641477	NM_027462	Wars2	70560	tryptophanyl tRNA synthetase 2 (mitochondrial)	-4.05	0.54	0.13
A_52_P261846	NM_009929	Col18a1	12822	collagen, type XVIII, alpha 1	-3.11	0.54	0.60
A_52_P264905	NM_026908	Cab39l	69008	calcium binding protein 39-like	-4.15	0.54	0.11

A_51_P212801	NM_019668	Ube2a	22209	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cer	-3.78	0.54	0.19
A_52_P459732	NM_020002	Rec8	56739	REC8 homolog (yeast)	-6.80	0.54	0.00
A_52_P532559	AK158826	Thrb	21834	thyroid hormone receptor beta	-3.04	0.54	0.67
A_51_P330918	NA	NA	NA	NA	-3.16	0.54	0.55
A_51_P144581	NM_016783	Pgrmc1	53328	progesterone receptor membrane component 1	-3.42	0.54	0.34
A_51_P298480	NM_026180	Abcg8	67470	ATP-binding cassette, sub-family G (WHITE), member 8	-3.37	0.54	0.37
A_51_P236464	NM_025633	Metapl1	66559	methionine aminopeptidase-like 1	-4.29	0.54	0.08
A_52_P680735	NM_012019	Aifm1	26926	apoptosis-inducing factor, mitochondrion-associated 1	-4.50	0.54	0.05
A_51_P425962	NM_010158	Khdrbs3	13992	KH domain containing, RNA binding, signal transduction a	-2.91	0.54	0.85
A_51_P179919	NM_172759	Ces5	234673	carboxylesterase 5	-3.19	0.54	0.52
A_52_P504361	NM_013792	Naglu	27419	alpha-N-acetylglucosaminidase (Sanfilippo disease IIIB)	-2.86	0.54	0.93
A_52_P328621	NA	NA	NA	NA	-4.82	0.54	0.07
A_51_P497821	NM_146185	Zfp790	233056	zinc finger protein 790	-3.68	0.54	0.22
A_51_P448466	NM_010767	Masp2	17175	mannan-binding lectin serine peptidase 2	-3.25	0.54	0.46
A_52_P553841	NM_016774	Atp5b	11947	ATP synthase, H+ transporting mitochondrial F1 complex	-4.40	0.54	0.09
A_52_P520439	NM_018858	Pebp1	23980	phosphatidylethanolamine binding protein 1	-4.10	0.54	0.10
A_52_P203741	NM_009176	St3gal3	20441	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	-4.52	0.54	0.05
A_52_P652999	NM_178362	Sorbs1	20411	sorbin and SH3 domain containing 1	-2.88	0.54	0.89
A_51_P330922	NM_146101	Habp2	226243	hyaluronic acid binding protein 2	-3.00	0.54	0.71
A_52_P581435	NM_008810	Pdha1	18597	pyruvate dehydrogenase E1 alpha 1	-3.00	0.54	0.70
A_51_P411264	NM_172597	Txndc16	70561	thioredoxin domain containing 16	-3.17	0.54	0.53
A_51_P137604	NM_007995	Fcna	14133	ficolin A	-3.52	0.54	0.29
A_51_P248122	NM_133234	Bbc3	170770	BCL2 binding component 3	-3.37	0.54	0.37
A_51_P401828	NM_008646	Cpamd8	17837	C3 and PZP-like, alpha-2-macroglobulin domain containin	-5.21	0.54	0.00
A_52_P597427	AK154023	Pank2	74450	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-3.70	0.54	0.22
A_51_P461578	NM_007997	Fdxr	14149	ferredoxin reductase	-2.92	0.54	0.82
A_52_P8227	NM_008866	Lypla1	18777	lysophospholipase 1	-3.39	0.54	0.36
A_52_P225207	NM_007523	Bak1	12018	BCL2-antagonist/killer 1	-3.04	0.54	0.67
A_51_P214087	NM_007678	Cebpa	12606	CCAAT/enhancer binding protein (C/EBP), alpha	-2.87	0.54	0.91
A_51_P478303	NM_010006	Cyp2d9	13105	cytochrome P450, family 2, subfamily d, polypeptide 9	-2.84	0.54	0.96
A_51_P220162	NM_008716	Notch3	18131	Notch gene homolog 3 (Drosophila)	-3.74	0.54	0.21
A_52_P383378	NM_001004	Whamm	434204	WAS protein homolog associated with actin, golgi membi	-5.64	0.54	0.00
A_52_P621064	NA	NA	NA	NA	-3.36	0.54	0.39
A_51_P511800	NM_025909	Oma1	67013	OMA1 homolog, zinc metallopeptidase (S. cerevisiae)	-3.32	0.54	0.40

A_51_P394973	NM_026598	Ebpl	68177	emopamil binding protein-like	-3.05	0.54	0.66
A_51_P204504	NM_013925	Adat1	30947	adenosine deaminase, tRNA-specific 1	-2.81	0.54	1.02
A_51_P174542	NM_153398	Zbtb24	268294	zinc finger and BTB domain containing 24	-3.01	0.54	0.70
A_51_P399873	NM_001033	Acmsd	266645	amino carboxymuconate semialdehyde decarboxylase	-3.25	0.54	0.46
A_52_P407918	NM_133975	Trip12	14897	thyroid hormone receptor interactor 12	-3.48	0.54	0.31
A_52_P537852	NM_024203	Fam120b	67544	family with sequence similarity 120, member B	-3.78	0.54	0.17
A_51_P246677	NM_020002	Rec8	56739	REC8 homolog (yeast)	-4.30	0.54	0.08
A_52_P884092	AK082796	C330020G1109343		RIKEN cDNA C330020G15 gene	-2.83	0.54	0.98
A_52_P305539	NM_201375	Kng2	385643	kininogen 2	-3.45	0.54	0.33
A_51_P101283	NA	NA	NA	NA	-3.13	0.54	0.59
A_51_P187645	BC004786	Igh-VJ558	16061	immunoglobulin heavy chain (J558 family)	-5.08	0.54	0.00
A_51_P411200	NM_027391	Iyd	70337	iodotyrosine deiodinase	-3.18	0.54	0.53
A_51_P233101	NM_008520	Ltbp3	16998	latent transforming growth factor beta binding protein 3	-3.25	0.54	0.46
A_51_P251717	NM_026304	I7Rn6	67669	lethal, Chr 7, Rinchik 6	-3.41	0.54	0.34
A_52_P250803	AK164977	Arl5b	75869	ADP-ribosylation factor-like 5B	-3.44	0.53	0.35
A_51_P407311	NM_145954	Aldh16a1	69748	aldehyde dehydrogenase 16 family, member A1	-4.58	0.53	0.06
A_51_P112677	NM_178603	Mrpl50	28028	mitochondrial ribosomal protein L50	-4.48	0.53	0.05
A_51_P250445	NM_020497	Zfp276	57247	zinc finger protein (C2H2 type) 276	-2.84	0.53	0.96
A_51_P337020	NM_025483	Senp7	66315	SUMO1/sentrin specific peptidase 7	-4.11	0.53	0.10
A_51_P286865	BC064745	Wdr33	74320	WD repeat domain 33	-3.16	0.53	0.55
A_51_P192751	NM_026732	Mrpl14	68463	mitochondrial ribosomal protein L14	-3.31	0.53	0.40
A_52_P582105	NM_007996	Fdx1	14148	ferredoxin 1	-5.25	0.53	0.00
A_51_P270741	NM_009303	Syngr1	20972	synaptogyrin 1	-2.97	0.53	0.75
A_52_P388898	NM_028476	2610110G173242		RIKEN cDNA 2610110G12 gene	-3.53	0.53	0.29
A_51_P204295	NM_011220	Pts	19286	6-pyruvoyl-tetrahydropterin synthase	-2.95	0.53	0.78
A_51_P326091	BC023121	Cflar	12633	CASP8 and FADD-like apoptosis regulator	-2.98	0.53	0.74
A_52_P523330	NM_027215	Tmem147	69804	transmembrane protein 147	-2.97	0.53	0.74
A_51_P166152	NM_029269	Spp2	75396	secreted phosphoprotein 2	-4.14	0.53	0.11
A_52_P368945	AK134567	Skap2	54353	src family associated phosphoprotein 2	-3.62	0.53	0.25
A_51_P454152	AK048416	Ercc6	319955	excision repair cross-complementing rodent repair deficiency	-3.06	0.53	0.65
A_51_P162955	NM_177920	Serpina7	331535	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 ;	-3.29	0.53	0.42
A_52_P150525	NA	NA	NA	NA	-4.92	0.53	0.08
A_52_P306396	NM_008914	Ppp3cb	19056	protein phosphatase 3, catalytic subunit, beta isoform	-6.19	0.53	0.00
A_51_P181705	AK017277	Ptprg	19270	protein tyrosine phosphatase, receptor type, G	-4.43	0.53	0.09

A_51_P369628	NM_133949	Ptov1	84113	prostate tumor over expressed gene 1	-3.18	0.53	0.53
A_51_P113182	NM_013584	Lifr	16880	leukemia inhibitory factor receptor	-4.56	0.53	0.06
A_51_P279064	NM_198167	Tmem63b	224807	transmembrane protein 63b	-4.45	0.53	0.10
A_51_P163233	NM_028814	2810403AC	74200	RIKEN cDNA 2810403A07 gene	-5.91	0.53	0.00
A_52_P27725	BC060616	D930016D	100662	RIKEN cDNA D930016D06 gene	-3.93	0.53	0.14
A_51_P460844	NM_144923	Blvrb	233016	biliverdin reductase B (flavin reductase (NADPH))	-3.27	0.53	0.45
A_51_P168439	AK004187	Klhl24	75785	kelch-like 24 (Drosophila)	-3.86	0.53	0.16
A_51_P468770	NM_024273	4930455C2	76916	RIKEN cDNA 4930455C21 gene	-3.87	0.53	0.16
A_51_P118103	NM_024203	Fam120b	67544	family with sequence similarity 120, member B	-3.35	0.53	0.38
A_52_P517289	NM_001042	Akap1	11640	A kinase (PRKA) anchor protein 1	-2.86	0.53	0.93
A_52_P464003	NM_026402	Atg3	67841	autophagy-related 3 (yeast)	-4.82	0.53	0.07
A_51_P115049	NM_007962	Mpzl2	14012	myelin protein zero-like 2	-4.02	0.53	0.13
A_52_P1022311	BC039142	NA	NA	NA	-3.29	0.53	0.42
A_52_P83252	NM_008281	Hpn	15451	hepsin	-3.57	0.53	0.27
A_51_P299149	NM_145451	Gpx6	75512	glutathione peroxidase 6	-3.48	0.53	0.32
A_51_P114456	AK018110	2210012G	66526	RIKEN cDNA 2210012G02 gene	-3.32	0.53	0.40
A_51_P363791	NM_018829	Ap3m1	55946	adaptor-related protein complex 3, mu 1 subunit	-3.02	0.53	0.70
A_52_P500622	NM_026622	3110057O	1269423	RIKEN cDNA 3110057O12 gene	-2.88	0.53	0.89
A_52_P1180575	AK084110	D130095D	402775	RIKEN cDNA D130095D21 gene	-2.88	0.53	0.89
A_52_P309718	XM_897688	D14Abb1e	218850	DNA segment, Chr 14, Abbott 1 expressed	-2.92	0.53	0.82
A_51_P446315	NM_025950	Cdc37l1	67072	cell division cycle 37 homolog (S. cerevisiae)-like 1	-4.30	0.53	0.08
A_52_P1036404	AK045702	1810013D	166278	RIKEN cDNA 1810013D10 gene	-3.32	0.53	0.40
A_51_P124133	NM_010006	Cyp2d9	13105	cytochrome P450, family 2, subfamily d, polypeptide 9	-3.56	0.53	0.28
A_52_P257502	NM_010517	Igfbp4	16010	insulin-like growth factor binding protein 4	-3.14	0.53	0.58
A_51_P219721	NM_025942	Ola1	67059	Obg-like ATPase 1	-2.99	0.53	0.72
A_51_P232901	NM_009923	Cnp	12799	2',3'-cyclic nucleotide 3' phosphodiesterase	-2.93	0.53	0.81
A_51_P394354	NM_027464	5730469M	70564	RIKEN cDNA 5730469M10 gene	-3.56	0.53	0.28
A_51_P394172	NM_007954	Es1	13884	esterase 1	-3.60	0.53	0.26
A_52_P78730	NM_023483	1110032A	68721	RIKEN cDNA 1110032A03 gene	-3.13	0.53	0.59
A_51_P247928	AB059646	Clmn	94040	calmin	-3.55	0.53	0.29
A_52_P226137	AK087234	Ulk2	29869	Unc-51 like kinase 2 (C. elegans)	-4.87	0.53	0.07
A_52_P1140098	AK038241	Gm10914	1E+08	predicted gene 10914	-6.47	0.53	0.00
A_51_P467668	NM_019987	Ick	56542	intestinal cell kinase	-3.09	0.53	0.62
A_52_P574710	BC064447	Whsc1l1	234135	Wolf-Hirschhorn syndrome candidate 1-like 1 (human)	-3.12	0.52	0.59

A_51_P111554	NM_011506	Sucla2	20916	succinate-Coenzyme A ligase, ADP-forming, beta subunit	-3.26	0.52	0.46
A_51_P252199	NM_146234	Mmgt1	236792	membrane magnesium transporter 1	-3.93	0.52	0.14
A_51_P132592	NM_029998	6030458C1	77877	RIKEN cDNA 6030458C11 gene	-5.10	0.52	0.00
A_51_P514700	NM_025565	Spc25	66442	SPC25, NDC80 kinetochore complex component, homolo	-3.10	0.52	0.60
A_51_P361286	NM_026792	Agpat5	52123	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophos	-2.94	0.52	0.79
A_51_P381527	NM_011958	Orc4l	26428	origin recognition complex, subunit 4-like (<i>S. cerevisiae</i>)	-3.32	0.52	0.40
A_52_P672296	AK147452	Snx27	76742	sorting nexin family member 27	-3.23	0.52	0.49
A_51_P444301	NM_018819	Brp44l	55951	brain protein 44-like	-6.74	0.52	0.00
A_52_P493925	BB385819	NA	NA	NA	-3.59	0.52	0.26
A_51_P459873	AK018157	6330411E0	70733	RIKEN cDNA 6330411E07 gene	-5.36	0.52	0.00
A_52_P15490	NM_021496	Pvrl3	58998	poliovirus receptor-related 3	-3.60	0.52	0.26
A_52_P68477	NM_172763	Zfp809	235047	zinc finger protein 809	-2.89	0.52	0.89
A_51_P229875	AK147402	E330009J0	243780	RIKEN cDNA E330009J07 gene	-3.00	0.52	0.71
A_52_P603836	NM_026184	Ero1lb	67475	ERO1-like beta (<i>S. cerevisiae</i>)	-3.22	0.52	0.49
A_51_P101573	NM_029091	Klc4	74764	kinesin light chain 4	-3.56	0.52	0.28
A_51_P140211	NM_030087	Ndufv3	78330	NADH dehydrogenase (ubiquinone) flavoprotein 3	-3.71	0.52	0.20
A_52_P125354	NM_019488	Slc2a8	56017	solute carrier family 2, (facilitated glucose transporter), n	-3.41	0.52	0.35
A_52_P496810	NM_011734	Siae	22619	sialic acid acetyltransferase	-3.63	0.52	0.25
A_52_P177021	NM_011220	Pts	19286	6-pyruvoyl-tetrahydropterin synthase	-3.14	0.52	0.58
A_52_P358720	NM_146489	Olfir266	258482	olfactory receptor 266	-7.39	0.52	0.00
A_51_P500051	NM_019923	Itpr2	16439	inositol 1,4,5-triphosphate receptor 2	-3.06	0.52	0.65
A_51_P196990	NM_017404	Mrpl39	27393	mitochondrial ribosomal protein L39	-6.24	0.52	0.00
A_52_P153291	NM_145700	Ccrl1	252837	chemokine (C-C motif) receptor-like 1	-4.52	0.52	0.05
A_52_P492069	NA	NA	NA	NA	-4.43	0.52	0.09
A_51_P204831	M13018	Crip1	12925	cysteine-rich protein 1 (intestinal)	-2.97	0.52	0.74
A_51_P103975	NM_027430	Brp44	70456	brain protein 44	-4.36	0.52	0.09
A_51_P449450	NM_001024	Dcun1d2	102323	DCN1, defective in cullin neddylation 1, domain containir	-3.17	0.52	0.53
A_52_P376574	XM_355911	Pcsk6	18553	proprotein convertase subtilisin/kexin type 6	-3.35	0.52	0.38
A_51_P497006	NM_053188	Srd5a2	94224	steroid 5 alpha-reductase 2	-3.56	0.52	0.28
A_52_P660945	NM_019861	Ctsf	56464	cathepsin F	-5.02	0.52	0.00
A_52_P650325	AK090231	Slc35e1	270066	solute carrier family 35, member E1	-4.77	0.52	0.07
A_51_P446856	AK050046	Flnb	286940	filamin, beta	-3.17	0.52	0.53
A_51_P257832	NM_009479	Uros	22276	uroporphyrinogen III synthase	-3.60	0.52	0.26
A_51_P259968	NM_023113	Aspa	11484	aspartoacylase	-3.81	0.52	0.17

A_51_P307644	NM_025652	Gtf3a	66596	general transcription factor III A	-2.87	0.52	0.91
A_52_P64383	NM_023184	Klf15	66277	Kruppel-like factor 15	-4.11	0.52	0.10
A_51_P239286	NM_029410	Bcl2l12	75736	BCL2-like 12 (proline rich)	-3.18	0.52	0.53
A_52_P611000	NM_016903	Esd	13885	esterase D/formylglutathione hydrolase	-3.00	0.52	0.71
A_51_P428977	AK051235	Onecut1	15379	one cut domain, family member 1	-3.53	0.52	0.28
A_51_P159565	NM_001033	Arhgef9	236915	CDC42 guanine nucleotide exchange factor (GEF) 9	-4.64	0.52	0.06
A_52_P142761	AK035750	Pdcd6ip	18571	programmed cell death 6 interacting protein	-3.32	0.52	0.40
A_52_P493867	NM_027194	Tm2d2	69742	TM2 domain containing 2	-3.49	0.52	0.31
A_51_P274163	NM_029556	Clybl	69634	citrate lyase beta like	-4.11	0.52	0.10
A_51_P512629	AK009255	Ttll5	320244	tubulin tyrosine ligase-like family, member 5	-3.10	0.52	0.60
A_51_P207718	AK164548	Zfp826	414758	zinc finger protein 826	-2.97	0.52	0.74
A_51_P447855	BC027795	Rnf160	78913	ring finger protein 160	-3.01	0.52	0.70
A_51_P164296	NM_021475	Adamdec1	58860	ADAM-like, decysin 1	-2.86	0.52	0.93
A_52_P494207	AK046210	Itpr2	16439	inositol 1,4,5-triphosphate receptor 2	-3.23	0.52	0.48
A_52_P414645	NM_001002	Gpr126	215798	G protein-coupled receptor 126	-2.94	0.52	0.78
A_52_P104782	NM_025784	Bcs1l	66821	BCS1-like (yeast)	-3.23	0.52	0.48
A_51_P190869	BB307119	NA	NA	NA	-3.23	0.52	0.48
A_52_P574306	NM_023114	Apoc3	11814	apolipoprotein C-III	-2.90	0.52	0.87
A_51_P521304	NM_026167	Klhl13	67455	kelch-like 13 (Drosophila)	-4.72	0.52	0.06
A_51_P337065	AK160524	4930402E1	319518	RIKEN cDNA 4930402E16 gene	-3.33	0.52	0.40
A_52_P353322	NM_133973	Cog4	102339	component of oligomeric golgi complex 4	-3.25	0.52	0.47
A_51_P461319	NM_025961	Gatm	67092	glycine amidinotransferase (L-arginine:glycine amidinotr	-2.87	0.52	0.91
A_52_P494686	NM_177645	1110028C1	68691	RIKEN cDNA 1110028C15 gene	-7.91	0.52	0.00
A_51_P417861	NM_146231	Zfp825	235956	zinc finger protein 825	-5.41	0.52	0.00
A_51_P116651	NM_019759	Dpt	56429	dermatopontin	-2.89	0.52	0.87
A_52_P6092	NM_207269	NA	NA	NA	-3.66	0.52	0.24
A_51_P269793	AK033780	NA	NA	NA	-2.93	0.52	0.81
A_51_P477833	NM_001033	Klhl21	242785	kelch-like 21 (Drosophila)	-4.24	0.52	0.08
A_52_P625111	XM_923330	NA	NA	NA	-3.40	0.52	0.35
A_52_P277322	AK084607	2310008HC	66356	RIKEN cDNA 2310008H09 gene	-3.37	0.52	0.38
A_52_P437502	NM_025476	Fam82b	66302	family with sequence similarity 82, member B	-4.22	0.51	0.10
A_51_P484054	NM_010172	F7	14068	coagulation factor VII	-3.70	0.51	0.22
A_51_P217395	NM_145474	Cyp2d34	223706	cytochrome P450, family 2, subfamily d, polypeptide 34	-3.82	0.51	0.18
A_52_P438682	BC064745	Wdr33	74320	WD repeat domain 33	-3.27	0.51	0.44

A_51_P461444	L26316	Dhfr	13361	dihydrofolate reductase	-3.00	0.51	0.71
A_51_P407323	NM_007976	F5	14067	coagulation factor V	-3.18	0.51	0.53
A_51_P440923	AK009333	2310014D169633		RIKEN cDNA 2310014D11 gene	-4.30	0.51	0.08
A_51_P275123	BC003498	Psd3	234353	pleckstrin and Sec7 domain containing 3	-2.81	0.51	1.02
A_51_P289742	NM_009512	Slc27a5	26459	solute carrier family 27 (fatty acid transporter), member	-4.30	0.51	0.08
A_52_P92121	AK053456	Ankrd33b	67434	ankyrin repeat domain 33B	-3.52	0.51	0.28
A_51_P512783	NM_025476	Fam82b	66302	family with sequence similarity 82, member B	-4.77	0.51	0.07
A_52_P121675	NM_009884	Cebpg	12611	CCAAT/enhancer binding protein (C/EBP), gamma	-4.85	0.51	0.07
A_52_P290090	AK021293	Stbd1	52331	starch binding domain 1	-4.84	0.51	0.07
A_52_P364021	NM_026713	Mogat1	68393	monoacylglycerol O-acyltransferase 1	-6.09	0.51	0.00
A_52_P304028	NM_053158	Mrpl1	94061	mitochondrial ribosomal protein L1	-4.44	0.51	0.10
A_52_P165824	NM_175443	Etnk2	214253	ethanolamine kinase 2	-3.72	0.51	0.21
A_51_P392134	NM_080560	Ube2n	93765	ubiquitin-conjugating enzyme E2N	-4.43	0.51	0.09
A_51_P214837	NM_001039	Arhgap12	75415	Rho GTPase activating protein 12	-3.87	0.51	0.16
A_51_P393761	NM_153064	Ndufs2	226646	NADH dehydrogenase (ubiquinone) Fe-S protein 2	-4.62	0.51	0.06
A_51_P179023	NM_026893	Dcaf12	68970	DDB1 and CUL4 associated factor 12	-3.40	0.51	0.35
A_52_P266320	XM_111900	NA	NA	NA	-3.56	0.51	0.28
A_52_P409868	AK050087	C730014E0319990		RIKEN cDNA C730014E05 gene	-3.85	0.51	0.16
A_51_P305453	NA	NA	NA	NA	-3.68	0.51	0.22
A_52_P948981	AK173109	Zfp473	243963	zinc finger protein 473	-3.07	0.51	0.63
A_51_P444264	NM_153457	Rtn1	104001	reticulon 1	-4.11	0.51	0.10
A_51_P475244	NM_133984	Hemk1	69536	HemK methyltransferase family member 1	-3.13	0.51	0.58
A_52_P1036395	AK051769	NA	NA	NA	-3.71	0.51	0.20
A_52_P341161	BC056977	H13	14950	histocompatibility 13	-3.75	0.51	0.21
A_52_P508317	NM_025745	Erlec1	66753	endoplasmic reticulum lectin 1	-2.96	0.51	0.75
A_51_P180905	XM_355911	Pcsk6	18553	proprotein convertase subtilisin/kexin type 6	-3.26	0.51	0.46
A_51_P231979	NM_013472	Anxa6	11749	annexin A6	-3.20	0.51	0.52
A_51_P236738	NR_002839	Dlx6as	13397	distal-less homeobox 6, antisense	-3.06	0.51	0.65
A_52_P298986	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-4.13	0.51	0.11
A_51_P214557	NM_010959	Oit3	18302	oncoprotein induced transcript 3	-2.86	0.51	0.92
A_52_P560728	NM_023475	Serhl	68607	serine hydrolase-like	-4.08	0.51	0.10
A_52_P223407	AK135623	Mrpl35	66223	mitochondrial ribosomal protein L35	-3.43	0.51	0.34
A_51_P273684	NM_028803	Gbe1	74185	glucan (1,4-alpha-), branching enzyme 1	-3.75	0.51	0.21
A_52_P462239	AK084087	D130020G:320972		RIKEN cDNA D130020G16 gene	-4.31	0.51	0.08

A_51_P215794	NM_013851	Abca8b	27404	ATP-binding cassette, sub-family A (ABC1), member 8b	-3.33	0.51	0.40
A_52_P605129	NM_178239	NA	NA	NA	-3.91	0.51	0.14
A_52_P380825	NM_144550	Ccdc52	212514	coiled-coil domain containing 52	-3.31	0.51	0.40
A_51_P265905	BC066035	Zranb3	226409	zinc finger, RAN-binding domain containing 3	-3.67	0.51	0.23
A_52_P637172	AK154222	Pyroxd2	74580	pyridine nucleotide-disulphide oxidoreductase domain 2	-4.19	0.51	0.11
A_52_P88818	NM_029556	Clybl	69634	citrate lyase beta like	-4.30	0.51	0.08
A_52_P118706	NM_176994	9630013D2319743		RIKEN cDNA 9630013D21 gene	-3.47	0.51	0.32
A_51_P107547	NM_147085	Olf571	259089	olfactory receptor 571	-3.30	0.51	0.42
A_51_P416613	AK082166	1810058I2467705		RIKEN cDNA 1810058I24 gene	-3.80	0.51	0.17
A_52_P75668	BB653684	NA	NA	NA	-3.03	0.51	0.68
A_51_P108853	NM_146106	Lyplal1	226791	lysophospholipase-like 1	-3.64	0.51	0.23
A_51_P512820	NM_172733	Dera	232449	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)	-3.29	0.51	0.43
A_52_P318955	NM_018829	Ap3m1	55946	adaptor-related protein complex 3, mu 1 subunit	-2.87	0.51	0.91
A_51_P229911	NM_080435	Adcy4	104110	adenylate cyclase 4	-3.15	0.51	0.56
A_51_P322801	NM_031877	Wasf1	83767	WASP family 1	-3.42	0.51	0.34
A_51_P197509	NM_153594	Pcmdt2	245867	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-2.96	0.51	0.75
A_51_P347206	NM_147088	Olf569	259092	olfactory receptor 569	-3.75	0.51	0.21
A_52_P527463	NM_145959	D15Ert62:210998		DNA segment, Chr 15, ERATO Doi 621, expressed	-3.56	0.51	0.27
A_51_P130110	NM_130884	ldh3b	170718	isocitrate dehydrogenase 3 (NAD+) beta	-3.69	0.51	0.22
A_52_P459609	AK083543	Iqgap2	544963	IQ motif containing GTPase activating protein 2	-4.54	0.51	0.05
A_51_P400944	NM_144861	Rprd1a	225283	regulation of nuclear pre-mRNA domain containing 1A	-5.26	0.51	0.00
A_52_P10458	NM_011543	Skp1a	21402	S-phase kinase-associated protein 1A	-4.56	0.51	0.06
A_52_P482830	NM_025580	Pnkd	56695	paroxysmal nonkinesigenic dyskinesia	-3.45	0.51	0.33
A_52_P290021	AK002639	Memo1	76890	mediator of cell motility 1	-4.03	0.51	0.13
A_51_P266763	NM_007998	Fech	14151	ferrochelatase	-3.72	0.51	0.20
A_52_P626329	NA	NA	NA	NA	-4.39	0.51	0.09
A_51_P177762	NM_153133	Rdh9	103142	retinol dehydrogenase 9	-4.26	0.51	0.08
A_51_P342835	NM_027909	C2cd2l	71764	C2 calcium-dependent domain containing 2-like	-2.92	0.51	0.82
A_51_P434426	NM_203507	Rwdd4a	192174	RWD domain containing 4A	-4.26	0.51	0.08
A_51_P308469	NM_011884	Rngtt	24018	RNA guanylyltransferase and 5'-phosphatase	-3.85	0.50	0.16
A_51_P481788	NM_011949	Mapk1	26413	mitogen-activated protein kinase 1	-5.48	0.50	0.00
A_52_P745	NM_030721	Acox3	80911	acyl-Coenzyme A oxidase 3, pristanoyl	-3.97	0.50	0.15
A_51_P379680	NM_011972	Poli	26447	polymerase (DNA directed), iota	-4.15	0.50	0.11
A_52_P122393	NM_001033	Zfc3h1	216345	zinc finger, C3H1-type containing	-2.84	0.50	0.96

A_51_P477627	NM_146170	C87436	232196	expressed sequence C87436	-5.13	0.50	0.00
A_51_P417858	NM_146231	Zfp825	235956	zinc finger protein 825	-4.01	0.50	0.12
A_51_P104718	NM_001010	Gpr12	14738	G-protein coupled receptor 12	-3.54	0.50	0.29
A_51_P242166	NM_024434	Lap3	66988	leucine aminopeptidase 3	-4.50	0.50	0.05
A_52_P383754	AF217545	Copg2as2	1E+08	coatomer protein complex, subunit gamma 2, antisense	-3.15	0.50	0.56
A_51_P477179	NM_022433	Sirt3	64384	sirtuin 3 (silent mating type information regulation 2, homologue 3)	-2.86	0.50	0.93
A_52_P537459	NM_027016	Sec62	69276	SEC62 homolog (S. cerevisiae)	-4.28	0.50	0.08
A_52_P548227	NM_024177	Mrpl38	60441	mitochondrial ribosomal protein L38	-4.66	0.50	0.06
A_51_P402225	XM_203596	NA	NA	NA	-2.96	0.50	0.75
A_51_P295085	NM_008760	Ogn	18295	osteoglycin	-3.62	0.50	0.25
A_51_P162671	NM_008035	Folr2	14276	folate receptor 2 (fetal)	-2.95	0.50	0.78
A_52_P400224	NM_016892	Ccs	12460	copper chaperone for superoxide dismutase	-3.74	0.50	0.21
A_52_P509188	AK129437	Fto	26383	fat mass and obesity associated	-3.46	0.50	0.33
A_52_P682099	BC058650	Fam149b	105428	family with sequence similarity 149, member B	-3.76	0.50	0.19
A_51_P172251	NM_025903	Ifrd2	15983	interferon-related developmental regulator 2	-3.36	0.50	0.37
A_51_P204286	AK033552	2900064A1	73024	RIKEN cDNA 2900064A13 gene	-4.87	0.50	0.07
A_51_P319141	NM_023377	Stard5	170460	StAR-related lipid transfer (START) domain containing 5	-4.31	0.50	0.08
A_52_P671700	AK080793	9330129D05	338350	RIKEN cDNA 9330129D05 gene	-4.58	0.50	0.06
A_51_P418469	NM_023595	Dut	110074	deoxyuridine triphosphatase	-3.03	0.50	0.68
A_52_P633163	NM_008650	Mut	17850	methylmalonyl-Coenzyme A mutase	-4.12	0.50	0.10
A_52_P576041	NM_016846	Rgl1	19731	ribosomal guanine nucleotide dissociation stimulator,-like 1	-3.15	0.50	0.56
A_52_P100002	AK135247	Rps24	20088	ribosomal protein S24	-5.29	0.50	0.00
A_52_P325819	AK137406	Yy1	22632	YY1 transcription factor	-4.22	0.50	0.10
A_51_P314375	NM_080844	Serpinc1	11905	serine (or cysteine) peptidase inhibitor, clade C (antithrombin)	-3.00	0.50	0.71
A_52_P431662	NM_024434	Lap3	66988	leucine aminopeptidase 3	-3.45	0.50	0.33
A_52_P55726	NM_011883	Rnf13	24017	ring finger protein 13	-3.20	0.50	0.52
A_52_P251183	NM_175106	Tmem177	66343	transmembrane protein 177	-3.23	0.50	0.48
A_51_P260098	U18992	Gcdh	270076	glutaryl-Coenzyme A dehydrogenase	-6.14	0.50	0.00
A_52_P202045	AK078273	Lrp1	16971	low density lipoprotein receptor-related protein 1	-3.09	0.50	0.62
A_52_P681557	XM_149291	NA	NA	NA	-3.03	0.50	0.68
A_52_P162486	NM_007542	Bgn	12111	biglycan	-3.02	0.50	0.70
A_51_P452280	NM_010839	Mtcp1	17763	mature T-cell proliferation 1	-3.54	0.50	0.29
A_52_P400831	NM_001001	Adamts13	279028	adisin integrin-like and metalloproteinase (reprolysin type) 13	-5.03	0.50	0.00
A_52_P471947	NA	NA	NA	NA	-3.07	0.50	0.65

A_52_P819555	AK048651	NA	NA	NA	-3.98	0.50	0.12
A_52_P631613	NA	NA	NA	NA	-3.85	0.50	0.16
A_52_P387009	NM_028133	Egln3	112407	EGL nine homolog 3 (C. elegans)	-2.95	0.50	0.78
A_51_P374457	NM_013541	Gstp1	14870	glutathione S-transferase, pi 1	-4.48	0.50	0.05
A_51_P356265	NM_016845	Acrbp	54137	proacrosin binding protein	-3.28	0.50	0.44
A_51_P435858	NA	NA	NA	NA	-3.58	0.50	0.26
A_52_P318447	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and ster	-2.82	0.50	0.99
A_51_P423308	NM_008342	Igfbp2	16008	insulin-like growth factor binding protein 2	-3.64	0.50	0.24
A_51_P224872	BC076568	Syne2	319565	synaptic nuclear envelope 2	-4.18	0.50	0.11
A_51_P273679	NM_028772	Dmgdh	74129	dimethylglycine dehydrogenase precursor	-4.78	0.50	0.07
A_51_P386270	NM_201360	Cyp2d12	380997	cytochrome P450, family 2, subfamily d, polypeptide 12	-3.04	0.50	0.67
A_52_P494841	NA	NA	NA	NA	-2.98	0.50	0.72
A_51_P336910	NM_026719	Lmbrd1	68421	LMBR1 domain containing 1	-3.84	0.50	0.18
A_52_P407796	NM_008618	Mdh1	17449	malate dehydrogenase 1, NAD (soluble)	-3.51	0.50	0.30
A_52_P611798	NM_007840	Ddx5	13207	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	-5.96	0.49	0.00
A_51_P299287	NM_053261	Impa2	114663	inositol (myo)-1(or 4)-monophosphatase 2	-3.20	0.49	0.52
A_51_P165617	NM_172745	Tufm	233870	Tu translation elongation factor, mitochondrial	-4.12	0.49	0.10
A_51_P214663	NM_016785	Tpmt	22017	thiopurine methyltransferase	-3.07	0.49	0.63
A_51_P504588	NM_027194	Tm2d2	69742	TM2 domain containing 2	-3.88	0.49	0.16
A_52_P1004624	AK081083	Mon2	67074	MON2 homolog (yeast)	-4.30	0.49	0.08
A_51_P468294	NM_017462	Polg	18975	polymerase (DNA directed), gamma	-4.32	0.49	0.08
A_51_P255395	NM_007738	Col7a1	12836	collagen, type VII, alpha 1	-3.81	0.49	0.17
A_51_P149872	NM_010596	Kcna7	16495	potassium voltage-gated channel, shaker-related subfam	-3.22	0.49	0.49
A_51_P313779	NM_198248	Zbtb40	230848	zinc finger and BTB domain containing 40	-3.29	0.49	0.42
A_51_P125467	NM_010515	Igf2r	16004	insulin-like growth factor 2 receptor	-3.73	0.49	0.21
A_51_P174396	NM_012019	Aifm1	26926	apoptosis-inducing factor, mitochondrion-associated 1	-4.34	0.49	0.09
A_52_P398334	NM_177616	Ccdc157	216516	coiled-coil domain containing 157	-4.01	0.49	0.12
A_51_P177622	NM_025580	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-3.62	0.49	0.25
A_51_P178735	NM_146108	Hibch	227095	3-hydroxyisobutyryl-Coenzyme A hydrolase	-3.11	0.49	0.60
A_52_P276748	NM_026102	Daam1	208846	dishevelled associated activator of morphogenesis 1	-3.43	0.49	0.34
A_52_P522990	BC039287	Trub1	72133	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-3.90	0.49	0.17
A_52_P668393	AK028994	Cyhr1	54151	cysteine and histidine rich 1	-4.87	0.49	0.07
A_52_P124083	AK087552	A530082C1320541		RIKEN cDNA A530082C11 gene	-3.20	0.49	0.52
A_52_P476973	NM_008687	Nfib	18028	nuclear factor I/B	-4.36	0.49	0.09

A_52_P22781	AK133399	D330038O(330788		RIKEN cDNA D330038O06 gene	-3.96	0.49	0.15
A_52_P534203	AK032463	Pias2	17344	protein inhibitor of activated STAT 2	-5.81	0.49	0.00
A_52_P344376	NM_013506	Eif4a2	13682	eukaryotic translation initiation factor 4A2	-4.02	0.49	0.13
A_52_P119721	NA	NA	NA	NA	-2.94	0.49	0.79
A_52_P392833	NA	NA	NA	NA	-3.58	0.49	0.26
A_51_P339232	NM_009228	Snta1	20648	syntrophin, acidic 1	-3.44	0.49	0.35
A_51_P304412	NM_008687	Nfib	18028	nuclear factor I/B	-4.71	0.49	0.06
A_51_P399652	NM_029939	Ccdc151	77609	coiled-coil domain containing 151	-3.16	0.49	0.55
A_51_P370101	NM_029623	3110002H176482		RIKEN cDNA 3110002H16 gene	-3.00	0.49	0.70
A_51_P516615	NM_026684	Ndufb10	68342	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1	-4.06	0.49	0.13
A_51_P513460	NM_015780	Cfhr1	50702	complement factor H-related 1	-3.31	0.49	0.40
A_51_P142904	NM_025939	Paics	67054	phosphoribosylaminoimidazole carboxylase, phosphorib	-3.81	0.49	0.17
A_51_P125351	NM_026822	Lce1b	68720	late cornified envelope 1B	-3.57	0.49	0.27
A_51_P471513	AK080408	Socs4	67296	suppressor of cytokine signaling 4	-3.02	0.49	0.70
A_52_P425734	NM_145146	Afm	280662	afamin	-4.89	0.49	0.08
A_52_P381958	BC067002	4632419I2:74038		RIKEN cDNA 4632419I22 gene	-3.13	0.49	0.58
A_52_P272945	NM_023243	Ccnh	66671	cyclin H	-4.46	0.49	0.05
A_51_P201237	NM_001040:	Larp1b	214048	La ribonucleoprotein domain family, member 1B	-4.68	0.49	0.06
A_52_P280344	NM_028412	Ciz1	68379	CDKN1A interacting zinc finger protein 1	-5.25	0.49	0.00
A_51_P155085	NM_172477	Dennd2a	209773	DENN/MADD domain containing 2A	-3.92	0.49	0.14
A_52_P671769	NM_176837	Arhgap18	73910	Rho GTPase activating protein 18	-3.07	0.49	0.63
A_51_P464911	NM_029619	MsrB2	76467	methionine sulfoxide reductase B2	-2.93	0.49	0.81
A_51_P417469	NM_026616	Rnaseh2c	68209	ribonuclease H2, subunit C	-3.99	0.49	0.12
A_52_P506516	NM_008010	Fgfr3	14184	fibroblast growth factor receptor 3	-2.93	0.49	0.82
A_51_P206736	NM_133657	Cyp2a12	13085	cytochrome P450, family 2, subfamily a, polypeptide 12	-3.93	0.49	0.14
A_52_P316644	NM_009748	Bet1	12068	blocked early in transport 1 homolog (S. cerevisiae)	-4.84	0.49	0.07
A_51_P448618	AK165240	Slc16a10	72472	solute carrier family 16 (monocarboxylic acid transporter	-3.64	0.49	0.24
A_51_P182813	NA	NA	NA	NA	-5.07	0.49	0.00
A_51_P137452	NM_013809	Cyp2g1	13108	cytochrome P450, family 2, subfamily g, polypeptide 1	-3.39	0.49	0.36
A_52_P268720	AK020667	Helz	78455	helicase with zinc finger domain	-2.85	0.49	0.95
A_52_P499879	NM_010363	Gstz1	14874	glutathione transferase zeta 1 (maleylacetoacetate isom	-2.92	0.49	0.82
A_51_P302453	NM_172589	Lhfp12	218454	lipoma HMGIC fusion partner-like 2	-3.63	0.48	0.25
A_52_P101333	NM_009119	Sap18	20220	Sin3-associated polypeptide 18	-3.75	0.48	0.21
A_52_P231847	NM_145949	Ido2	209176	indoleamine 2,3-dioxygenase 2	-2.96	0.48	0.75

A_52_P442691	NM_023644	Mccc1	72039	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-3.74	0.48	0.21
A_51_P333923	NM_133681	Tspan1	66805	tetraspanin 1	-2.84	0.48	0.96
A_51_P189870	AK129469	Ears2	67417	glutamyl-tRNA synthetase 2 (mitochondrial)(putative)	-4.08	0.48	0.10
A_52_P351925	NM_146005	Ank3	11735	ankyrin 3, epithelial	-3.49	0.48	0.31
A_51_P268331	NM_023270	Rnf128	66889	ring finger protein 128	-3.06	0.48	0.65
A_51_P444437	NM_025968	Ptgr1	67103	prostaglandin reductase 1	-3.03	0.48	0.68
A_51_P466478	NM_011213	Ptprf	19268	protein tyrosine phosphatase, receptor type, F	-3.03	0.48	0.68
A_51_P440315	NM_145572	Gys2	232493	glycogen synthase 2	-2.82	0.48	0.99
A_52_P661722	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-3.92	0.48	0.14
A_51_P286327	NM_175646	Txn14b	234723	thioredoxin-like 4B	-3.86	0.48	0.16
A_51_P233825	NM_001042	Akap1	11640	A kinase (PRKA) anchor protein 1	-2.82	0.48	1.02
A_51_P275395	NM_133734	Dcaf11	28199	DDB1 and CUL4 associated factor 11	-3.18	0.48	0.53
A_51_P103406	NM_011708	Vwf	22371	Von Willebrand factor homolog	-3.49	0.48	0.31
A_52_P579876	NM_178622	Suds3	71954	suppressor of defective silencing 3 homolog (S. cerevisiae)	-3.44	0.48	0.35
A_51_P298570	NM_013506	Eif4a2	13682	eukaryotic translation initiation factor 4A2	-3.56	0.48	0.28
A_52_P3723	BC096542	Nfib	18028	nuclear factor I/B	-4.82	0.48	0.07
A_52_P699954	AK081401	NA	NA	NA	-3.31	0.48	0.40
A_52_P537696	NM_145524	Mettl8	228019	methyltransferase like 8	-3.70	0.48	0.22
A_52_P661731	NM_133684	Mosc2	67247	MOCO sulphurase C-terminal domain containing 2	-5.05	0.48	0.00
A_51_P336827	NM_025558	Cyb5b	66427	cytochrome b5 type B	-2.84	0.48	0.96
A_51_P367395	NM_138583	D16H22S6E	27883	DNA segment, Chr 16, human D22S680E, expressed	-2.92	0.48	0.82
A_52_P496163	AK082993	Zfp697	242109	zinc finger protein 697	-3.87	0.48	0.16
A_52_P329197	NM_010049	Dhfr	13361	dihydrofolate reductase	-4.05	0.48	0.13
A_51_P265465	NM_134130	Abhd3	106861	abhydrolase domain containing 3	-3.68	0.48	0.22
A_51_P122825	NM_010956	Ogdh	18293	oxoglutarate dehydrogenase (lipoamide)	-3.50	0.48	0.31
A_52_P231729	U96752	H2-Q1	15006	histocompatibility 2, Q region locus 1	-3.81	0.48	0.17
A_52_P989584	NA	NA	NA	NA	-6.22	0.48	0.00
A_52_P294123	NM_178882	D2hgdh	98314	D-2-hydroxyglutarate dehydrogenase	-4.26	0.48	0.08
A_51_P346045	NM_053266	Gtf2ird2	114674	GTF2I repeat domain containing 2	-3.32	0.48	0.40
A_51_P282975	NM_023644	Mccc1	72039	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-4.01	0.48	0.12
A_52_P365615	NM_172759	Ces5	234673	carboxylesterase 5	-4.75	0.48	0.07
A_51_P516870	NM_008409	Itn2a	16431	integral membrane protein 2A	-3.26	0.48	0.45
A_51_P475613	NM_029629	Fahd2a	68126	fumarylacetoacetate hydrolase domain containing 2A	-7.19	0.48	0.00
A_52_P637418	AK147993	Wdr25	212198	WD repeat domain 25	-2.89	0.48	0.89

A_51_P286357	NM_139138	Emr4	52614	EGF-like module containing, mucin-like, hormone recept	-3.29	0.48	0.43
A_52_P35048	NM_011340	Serpinf1	20317	serine (or cysteine) peptidase inhibitor, clade F, member	-3.84	0.48	0.18
A_51_P177691	NM_008075	Gabbr1	14408	gamma-aminobutyric acid (GABA) C receptor, subunit rhc	-3.16	0.48	0.55
A_51_P451767	NA	NA	NA	NA	-3.76	0.48	0.19
A_52_P665723	AK032804	D5Ert579c	320661	DNA segment, Chr 5, ERATO Doi 579, expressed	-3.37	0.48	0.37
A_52_P384855	NM_172577	Slc25a21	217593	solute carrier family 25 (mitochondrial oxodicarboxylate	-4.74	0.48	0.07
A_51_P301289	NM_007507	Atp5k	11958	ATP synthase, H+ transporting, mitochondrial F1F0 comp	-3.99	0.48	0.12
A_52_P348922	AK017896	C2cd2	207781	C2 calcium-dependent domain containing 2	-3.15	0.48	0.55
A_52_P346033	NM_026876	1190005F2	98685	RIKEN cDNA 1190005F20 gene	-4.49	0.48	0.05
A_51_P103397	NM_011708	Vwf	22371	Von Willebrand factor homolog	-3.94	0.48	0.14
A_52_P245620	BB009967	NA	NA	NA	-4.41	0.48	0.09
A_52_P106429	NM_008298	Dnaja1	15502	Dnaj (Hsp40) homolog, subfamily A, member 1	-4.95	0.48	0.09
A_51_P460710	NM_172605	Tdrd3	219249	tudor domain containing 3	-4.00	0.48	0.12
A_51_P380824	NM_146891	Olfr1225	258893	olfactory receptor 1225	-2.89	0.48	0.89
A_51_P472488	NM_019836	2610024G1	156412	RIKEN cDNA 2610024G14 gene	-5.55	0.47	0.00
A_51_P204247	NM_146148	C8a	230558	complement component 8, alpha polypeptide	-3.64	0.47	0.23
A_51_P268734	NM_133727	Kptn	70394	kaptin	-3.27	0.47	0.45
A_51_P314273	X14206	Parp1	11545	poly (ADP-ribose) polymerase family, member 1	-3.19	0.47	0.52
A_52_P657844	AK038731	Zbtb20	56490	zinc finger and BTB domain containing 20	-3.44	0.47	0.35
A_52_P308477	NM_133727	Kptn	70394	kaptin	-3.94	0.47	0.14
A_52_P244803	XM_0010017	D630033O	235302	RIKEN cDNA D630033O11 gene	-3.98	0.47	0.12
A_52_P618501	NM_144913	Mepce	231803	methylphosphate capping enzyme	-3.55	0.47	0.27
A_52_P356313	XM_0010051	NA	NA	NA	-3.31	0.47	0.42
A_51_P303346	NM_008298	Dnaja1	15502	Dnaj (Hsp40) homolog, subfamily A, member 1	-5.30	0.47	0.00
A_51_P519364	NM_145986	Fam83f	213956	family with sequence similarity 83, member F	-3.26	0.47	0.45
A_51_P394394	NM_027533	Tspan2	70747	tetraspanin 2	-3.73	0.47	0.21
A_52_P559467	NA	NA	NA	NA	-5.04	0.47	0.00
A_52_P155990	NM_130864	Acaa1a	113868	acetyl-Coenzyme A acyltransferase 1A	-4.46	0.47	0.05
A_51_P283766	NM_028199	Plxdc1	72324	plexin domain containing 1	-2.87	0.47	0.91
A_52_P620496	AK031480	Gpr182	11536	G protein-coupled receptor 182	-3.07	0.47	0.63
A_51_P476481	NM_145548	Cyp2j13	230459	cytochrome P450, family 2, subfamily j, polypeptide 13	-3.98	0.47	0.12
A_52_P155692	NM_009176	St3gal3	20441	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	-4.19	0.47	0.11
A_51_P385598	NM_008063	Slc37a4	14385	solute carrier family 37 (glucose-6-phosphate transport	-3.38	0.47	0.36
A_52_P175190	AK033431	Egfr	13649	epidermal growth factor receptor	-3.11	0.47	0.60

A_52_P369310	NM_010956	Ogdh	18293	oxoglutarate dehydrogenase (lipoamide)	-3.52	0.47	0.28
A_51_P500056	NM_019923	Itp2	16439	inositol 1,4,5-triphosphate receptor 2	-3.83	0.47	0.18
A_51_P308362	NM_201410	Ugt1a6b	394435	UDP glucuronosyltransferase 1 family, polypeptide A6B	-5.51	0.47	0.00
A_51_P419971	BU515288	Tmem106k	71900	transmembrane protein 106B	-3.02	0.47	0.70
A_51_P177897	NM_011665	Ube2i	22196	ubiquitin-conjugating enzyme E2I	-3.60	0.47	0.26
A_52_P339154	NM_029398	Tmem14a	75712	transmembrane protein 14A	-3.79	0.47	0.17
A_52_P191210	AK028720	9530091C0320440		RIKEN cDNA 9530091C08 gene	-3.31	0.47	0.40
A_52_P160279	NM_021414	Ahcyl2	74340	S-adenosylhomocysteine hydrolase-like 2	-2.87	0.47	0.92
A_52_P660032	NM_016856	Cpsf2	51786	cleavage and polyadenylation specific factor 2	-3.38	0.47	0.36
A_51_P179789	NM_145437	Cd300ld	217305	CD300 molecule-like family member d	-3.30	0.47	0.42
A_52_P563450	AK010171	Brix1	67832	BRX1, biogenesis of ribosomes, homolog (<i>S. cerevisiae</i>)	-4.15	0.47	0.11
A_51_P111762	NM_011804	Creg1	433375	cellular repressor of E1A-stimulated genes 1	-4.60	0.47	0.06
A_51_P335419	NM_027945	Csl	71832	citrate synthase like	-5.18	0.47	0.00
A_51_P345836	NM_011871	Prkra	23992	protein kinase, interferon inducible double stranded RNA	-2.88	0.47	0.89
A_52_P682745	NM_172803	Dock4	238130	dedicator of cytokinesis 4	-3.12	0.47	0.59
A_51_P291135	NM_007996	Fdx1	14148	ferredoxin 1	-6.19	0.47	0.00
A_52_P156110	AK042138	Ikbkg	16151	inhibitor of kappaB kinase gamma	-4.01	0.46	0.12
A_52_P15495	NM_021496	Pvrl3	58998	poliovirus receptor-related 3	-4.02	0.46	0.13
A_52_P113817	NM_001031	Agxt2	268782	alanine-glyoxylate aminotransferase 2	-4.26	0.46	0.08
A_52_P61691	NM_181858	Cd59b	333883	CD59b antigen	-3.90	0.46	0.17
A_52_P318053	NA	NA	NA	NA	-3.92	0.46	0.14
A_52_P569348	NM_010022	Dbt	13171	dihydrolipoamide branched chain transacylase E2	-4.13	0.46	0.11
A_52_P33147	AK086149	Sox5	20678	SRY-box containing gene 5	-3.53	0.46	0.29
A_52_P188099	AK033507	Gne	50798	glucosamine	-2.82	0.46	0.99
A_51_P374752	NM_011255	Rbp4	19662	retinol binding protein 4, plasma	-4.36	0.46	0.09
A_51_P474188	NM_198942	Dhx57	106794	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	-3.81	0.46	0.17
A_52_P286360	NM_008769	Otc	18416	ornithine transcarbamylase	-4.15	0.46	0.11
A_52_P329408	AK147591	Sipa1l1	217692	signal-induced proliferation-associated 1 like 1	-3.56	0.46	0.28
A_51_P320089	NM_008129	Gclm	14630	glutamate-cysteine ligase, modifier subunit	-2.90	0.46	0.87
A_52_P297457	BC066053	0610030E268364		RIKEN cDNA 0610030E20 gene	-3.33	0.46	0.40
A_52_P456977	NM_016874	Deaf1	54006	deformed epidermal autoregulatory factor 1 (<i>Drosophila</i>)	-3.76	0.46	0.19
A_52_P453778	XM_620640	NA	NA	NA	-3.96	0.46	0.15
A_52_P366116	NM_028233	Lrp4	72416	leucine-rich PPR-motif containing	-3.16	0.46	0.55
A_52_P667477	NM_148925	Fyco1	17281	FYVE and coiled-coil domain containing 1	-2.83	0.46	0.98

A_51_P479444	NM_010544	lhh	16147	Indian hedgehog	-6.59	0.46	0.00
A_52_P663742	AK076333	Ganc	76051	glucosidase, alpha; neutral C	-3.40	0.46	0.36
A_52_P618693	NM_011336	Ccl27a	20301	chemokine (C-C motif) ligand 27A	-3.74	0.46	0.21
A_51_P484842	NM_007493	Asgr2	11890	asialoglycoprotein receptor 2	-4.89	0.46	0.08
A_51_P276039	NM_175150	Txndc15	69672	thioredoxin domain containing 15	-3.61	0.46	0.25
A_51_P515949	NM_147059	Olfrr668	259061	olfactory receptor 668	-3.56	0.46	0.28
A_51_P218179	NM_008618	Mdh1	17449	malate dehydrogenase 1, NAD (soluble)	-4.74	0.46	0.07
A_51_P225853	NM_008786	Pcmt1	18537	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-5.56	0.46	0.00
A_51_P392303	NM_010733	Lrrn3	16981	leucine rich repeat protein 3, neuronal	-3.14	0.46	0.58
A_52_P194242	NM_001039	Sel1l	20338	sel-1 suppressor of lin-12-like (C. elegans)	-3.41	0.46	0.34
A_51_P218137	AK008925	Mettl7a1	70152	methyltransferase like 7A1	-3.84	0.46	0.18
A_51_P441387	NM_177645	1110028C1	68691	RIKEN cDNA 1110028C15 gene	-5.71	0.46	0.00
A_52_P383526	NA	NA	NA	NA	-3.19	0.46	0.52
A_52_P640413	NM_145580	Tmem149	101883	transmembrane protein 149	-3.60	0.46	0.26
A_52_P868798	NA	NA	NA	NA	-4.67	0.46	0.06
A_52_P301821	NM_053078	DOH4S114	27528	DNA segment, human D4S114	-3.33	0.46	0.40
A_51_P184886	NM_011920	Abcg2	26357	ATP-binding cassette, sub-family G (WHITE), member 2	-3.86	0.46	0.16
A_52_P143357	NA	NA	NA	NA	-2.97	0.46	0.74
A_52_P521054	NM_011459	Serpinb8	20725	serine (or cysteine) peptidase inhibitor, clade B, member	-2.81	0.46	1.02
A_52_P189132	DV054273	Thap1	73754	THAP domain containing, apoptosis associated protein 1	-4.05	0.46	0.13
A_51_P475689	NM_026972	Cd209b	69165	CD209b antigen	-3.29	0.46	0.42
A_52_P641282	AK005692	Pdilt	71830	protein disulfide isomerase-like, testis expressed	-3.23	0.46	0.49
A_51_P398260	NM_182839	Tppp	72948	tubulin polymerization promoting protein	-4.17	0.46	0.11
A_51_P209401	BC062811	1810020D1	66273	RIKEN cDNA 1810020D17 gene	-3.33	0.46	0.40
A_51_P166099	NM_019957	Dnase2b	56629	deoxyribonuclease II beta	-4.00	0.46	0.12
A_51_P376789	NM_145387	Ath1l	212974	ATH1, acid trehalase-like 1 (yeast)	-3.24	0.46	0.48
A_52_P565549	NM_173788	Npr2	230103	natriuretic peptide receptor 2	-3.05	0.46	0.66
A_52_P633752	NM_007462	Apc	11789	adenomatosis polyposis coli	-3.58	0.46	0.26
A_51_P352738	NM_033564	Mpv17l	93734	Mpv17 transgene, kidney disease mutant-like	-3.10	0.46	0.60
A_51_P138060	NM_011883	Rnf13	24017	ring finger protein 13	-4.47	0.46	0.05
A_51_P481968	NM_026036	Cmtm6	67213	CKLF-like MARVEL transmembrane domain containing 6	-4.66	0.46	0.06
A_51_P411909	NM_178848	Sirt5	68346	sirtuin 5 (silent mating type information regulation 2 hon	-3.52	0.46	0.28
A_52_P274028	AK078039	Ssr1	107513	signal sequence receptor, alpha	-4.65	0.46	0.06
A_51_P173906	NM_026658	Mto1	68291	mitochondrial translation optimization 1 homolog (S. cer	-4.87	0.46	0.07

A_52_P217474	NM_025987	Ndufa6	67130	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex,	-3.93	0.46	0.14
A_52_P181060	NM_022988	Nif3l1	65102	Ngg1 interacting factor 3-like 1 (S. pombe)	-3.70	0.46	0.22
A_52_P244312	AK158571	Svip	75744	small VCP/p97-interacting protein	-3.43	0.46	0.34
A_51_P301274	AK019926	5330431K0	68189	RIKEN cDNA 5330431K02 gene	-2.98	0.46	0.72
A_52_P673722	NM_134094	Ncald	52589	neurocalcin delta	-3.21	0.46	0.50
A_51_P238533	AK020301	Col4a3bp	68018	collagen, type IV, alpha 3 (Goodpasture antigen) binding	-2.94	0.46	0.79
A_52_P552665	NM_008057	Fzd7	14369	frizzled homolog 7 (Drosophila)	-5.00	0.46	0.00
A_51_P398235	BC079852	Dnajc11	230935	Dnaj (Hsp40) homolog, subfamily C, member 11	-4.84	0.46	0.07
A_52_P201972	AK037342	Zfp148	22661	zinc finger protein 148	-2.95	0.45	0.76
A_52_P662711	NM_027211	Anxa13	69787	annexin A13	-3.14	0.45	0.58
A_51_P134627	NM_080857	Asb13	142688	ankyrin repeat and SOCS box-containing 13	-4.87	0.45	0.07
A_51_P451335	NM_008867	Pla2r1	18779	phospholipase A2 receptor 1	-4.46	0.45	0.05
A_51_P350368	NM_027986	Cdadc1	71891	cytidine and dCMP deaminase domain containing 1	-4.11	0.45	0.10
A_51_P345248	NM_053196	Sfxn2	94279	sideroflexin 2	-3.16	0.45	0.55
A_52_P66130	NM_201600	Myo5b	17919	myosin VB	-3.56	0.45	0.27
A_51_P278550	NM_134118	Tecr	106529	trans-2,3-enoyl-CoA reductase	-3.52	0.45	0.29
A_52_P104108	BC059866	Shc2	216148	SHC (Src homology 2 domain containing) transforming pr	-3.66	0.45	0.24
A_52_P348709	NM_011804	Creg1	433375	cellular repressor of E1A-stimulated genes 1	-4.60	0.45	0.06
A_51_P257457	NM_013589	Ltbp2	16997	latent transforming growth factor beta binding protein 2	-2.97	0.45	0.75
A_51_P145735	NM_025421	Acyp1	66204	acylphosphatase 1, erythrocyte (common) type	-3.27	0.45	0.44
A_52_P148184	NM_028166	1600014C1	72244	RIKEN cDNA 1600014C10 gene	-3.45	0.45	0.33
A_51_P119760	NM_010378	H2-Aa	14960	histocompatibility 2, class II antigen A, alpha	-2.81	0.45	1.02
A_51_P395555	NM_178600	Vkorc1	27973	vitamin K epoxide reductase complex, subunit 1	-3.20	0.45	0.52
A_51_P364185	XM_486062	NA	NA	NA	-3.89	0.45	0.16
A_51_P260035	NM_025535	Sar1b	66397	SAR1 gene homolog B (S. cerevisiae)	-3.73	0.45	0.21
A_51_P165934	NM_008831	Phb	18673	prohibitin	-4.32	0.45	0.09
A_52_P635278	NM_199307	Ece1	230857	endothelin converting enzyme 1	-3.14	0.45	0.58
A_51_P403193	XM_193868	NA	NA	NA	-3.27	0.45	0.45
A_51_P236469	NM_025633	Metap11	66559	methionine aminopeptidase-like 1	-4.11	0.45	0.10
A_52_P178866	BC094349	Lrp3	435965	low density lipoprotein receptor-related protein 3	-3.80	0.45	0.17
A_51_P517672	NM_178779	Rnf152	320311	ring finger protein 152	-3.63	0.45	0.25
A_52_P376214	NM_001037	Cstf3	228410	cleavage stimulation factor, 3' pre-RNA, subunit 3	-3.10	0.45	0.60
A_52_P409055	BC078641	Dcaf8	98193	DDB1 and CUL4 associated factor 8	-6.45	0.45	0.00
A_52_P449718	BC039980	Megf6	230971	multiple EGF-like-domains 6	-2.84	0.45	0.96

A_51_P164630	NM_026808	Fitm1	68680	fat storage-inducing transmembrane protein 1	-3.83	0.45	0.18
A_51_P175581	NM_183028	Pcmdt1	319263	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-3.44	0.45	0.35
A_51_P291129	NM_007996	Fdx1	14148	ferredoxin 1	-4.99	0.45	0.00
A_52_P633410	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated	-3.21	0.45	0.50
A_51_P512519	M29009	EG214403	214403	predicted gene, EG214403	-3.63	0.45	0.25
A_52_P387564	AK198605	NA	NA	NA	-3.49	0.45	0.31
A_51_P125205	NM_007472	Aqp1	11826	aquaporin 1	-3.09	0.45	0.62
A_51_P311319	NM_029022	Scrn3	74616	secernin 3	-3.50	0.45	0.31
A_51_P156708	NM_011789	Apc2	23805	adenomatosis polyposis coli 2	-3.86	0.45	0.16
A_51_P515446	NM_018887	Cyp39a1	56050	cytochrome P450, family 39, subfamily a, polypeptide 1	-4.29	0.45	0.08
A_51_P505530	NM_031176	Tnxb	81877	tenascin XB	-3.86	0.45	0.16
A_51_P291062	NM_028266	Col16a1	107581	collagen, type XVI, alpha 1	-3.70	0.45	0.22
A_52_P134914	AK033990	Slc30a9	109108	solute carrier family 30 (zinc transporter), member 9	-3.48	0.45	0.32
A_52_P487599	NM_178413	Thnsl2	232078	threonine synthase-like 2 (bacterial)	-3.69	0.45	0.22
A_52_P224413	XR_004220	NA	NA	NA	-3.12	0.45	0.60
A_51_P322396	NM_207216	Ugt3a1	105887	UDP glycosyltransferases 3 family, polypeptide A1	-3.05	0.45	0.66
A_52_P884435	AK079271	Furin	18550	furin (paired basic amino acid cleaving enzyme)	-2.98	0.45	0.72
A_51_P208537	XM_902328	NA	NA	NA	-3.04	0.45	0.67
A_52_P15197	NM_001024	Dcun1d2	102323	DCN1, defective in cullin neddylation 1, domain containir	-3.49	0.45	0.31
A_52_P355813	NM_028793	Acbd5	74159	acyl-Coenzyme A binding domain containing 5	-2.99	0.45	0.71
A_51_P508485	NM_028651	Tmtc4	70551	transmembrane and tetratricopeptide repeat containing	-3.22	0.45	0.49
A_51_P430585	NM_026740	Slc46a1	52466	solute carrier family 46, member 1	-2.96	0.45	0.75
A_51_P159552	AK159076	Sin3b	20467	transcriptional regulator, SIN3B (yeast)	-4.05	0.45	0.13
A_52_P343306	NM_010378	H2-Aa	14960	histocompatibility 2, class II antigen A, alpha	-2.94	0.45	0.79
A_51_P324303	NM_153789	Myliip	218203	myosin regulatory light chain interacting protein	-4.07	0.45	0.10
A_52_P379256	NM_024434	Lap3	66988	leucine aminopeptidase 3	-3.30	0.45	0.43
A_51_P390260	NM_026444	Cs	12974	citrate synthase	-4.94	0.45	0.08
A_51_P346715	NM_023665	D4Wsu53e	27981	DNA segment, Chr 4, Wayne State University 53, expressi	-6.29	0.45	0.00
A_51_P474496	NM_009933	Col6a1	12833	collagen, type VI, alpha 1	-3.18	0.45	0.53
A_51_P125385	NM_031248	Robld3	83409	roadblock domain containing 3	-4.00	0.45	0.12
A_51_P466221	NM_144547	Amhr2	110542	anti-Mullerian hormone type 2 receptor	-3.59	0.45	0.26
A_51_P509679	BC004786	Igh-VJ558	16061	immunoglobulin heavy chain (J558 family)	-4.34	0.45	0.09
A_51_P212592	NM_173749	Pamr1	210622	peptidase domain containing associated with muscle regi	-4.95	0.45	0.09
A_52_P129388	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	-4.96	0.44	0.00

A_51_P142896	NM_007652	Cd59a	12509	CD59a antigen	-3.35	0.44	0.38
A_52_P98531	BC031139	Nlrp6	101613	NLR family, pyrin domain containing 6	-4.08	0.44	0.10
A_51_P134574	AK030305	Col4a3bp	68018	collagen, type IV, alpha 3 (Goodpasture antigen) binding	-2.90	0.44	0.85
A_51_P503654	NM_178577	Tmem205	235043	transmembrane protein 205	-4.46	0.44	0.05
A_52_P556328	NM_001042	Akap1	11640	A kinase (PRKA) anchor protein 1	-3.01	0.44	0.70
A_51_P374464	NM_013541	Gstp1	14870	glutathione S-transferase, pi 1	-2.92	0.44	0.82
A_51_P476209	NM_019569	Fscn3	56223	fascin homolog 3, actin-bundling protein, testicular (Stro	-4.71	0.44	0.06
A_51_P299266	NM_025598	Ppdpf	66496	pancreatic progenitor cell differentiation and proliferatio	-3.87	0.44	0.16
A_51_P312275	NM_026708	Tlcd1	68385	TLC domain containing 1	-4.47	0.44	0.05
A_51_P183803	NM_009174	Siah2	20439	seven in absentia 2	-4.75	0.44	0.07
A_52_P85152	NM_175324	Acad11	102632	acyl-Coenzyme A dehydrogenase family, member 11	-2.92	0.44	0.82
A_51_P118320	NM_138601	D10Jhu81e	28295	DNA segment, Chr 10, Johns Hopkins University 81 expre	-4.18	0.44	0.11
A_51_P133097	AK018420	8430416G171469		RIKEN cDNA 8430416G17 gene	-4.95	0.44	0.09
A_51_P443082	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3	-3.39	0.44	0.36
A_52_P671525	NM_175446	Zmat1	215693	zinc finger, matrin type 1	-3.20	0.44	0.52
A_51_P226453	NM_025590	Acot11	329910	acyl-CoA thioesterase 11	-4.10	0.44	0.10
A_52_P404533	NM_013560	Hspb1	15507	heat shock protein 1	-3.60	0.44	0.26
A_52_P134141	NM_025574	Pigy	66459	phosphatidylinositol glycan anchor biosynthesis, class Y	-4.17	0.44	0.11
A_52_P399646	NM_025343	Rmnd1	66084	required for meiotic nuclear division 1 homolog (S. cerev	-3.71	0.44	0.20
A_51_P193536	NM_016892	Ccs	12460	copper chaperone for superoxide dismutase	-4.12	0.44	0.10
A_52_P403157	AK140498	Sorbs2	234214	sorbin and SH3 domain containing 2	-2.96	0.44	0.76
A_52_P423188	AF245475	Mlxipl	58805	MLX interacting protein-like	-3.69	0.44	0.22
A_52_P338479	AK039015	Unc13b	22249	unc-13 homolog B (C. elegans)	-4.64	0.44	0.06
A_51_P429682	NM_007898	Ebp	13595	phenylalkylamine Ca2+ antagonist (emopamil) binding pr	-4.15	0.44	0.11
A_51_P419439	NM_010321	Gnmt	14711	glycine N-methyltransferase	-4.18	0.44	0.11
A_51_P418765	NM_009266	Sephs2	20768	selenophosphate synthetase 2	-2.99	0.44	0.71
A_52_P448106	AK018520	9030420J0.71544		RIKEN cDNA 9030420J04 gene	-3.51	0.44	0.29
A_52_P672740	NM_019491	Rala	56044	v-ral simian leukemia viral oncogene homolog A (ras relat	-3.63	0.44	0.25
A_51_P183051	NM_133995	Upb1	103149	ureidopropionase, beta	-3.46	0.44	0.33
A_52_P391718	NM_009079	Rpl22	19934	ribosomal protein L22	-3.91	0.44	0.14
A_51_P410823	NM_023281	Sdha	66945	succinate dehydrogenase complex, subunit A, flavoprote	-3.99	0.44	0.12
A_51_P389543	NM_054053	Gpr98	110789	G protein-coupled receptor 98	-3.79	0.44	0.17
A_51_P262228	NM_145466	A2ld1	223267	AIG2-like domain 1	-3.64	0.44	0.23
A_52_P851171	AK036477	NA	NA	NA	-2.91	0.44	0.85

A_51_P125260	NM_177470	Acaa2	52538	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-ox	-5.65	0.44	0.00
A_51_P295896	NM_028934	4930452B0	74430	RIKEN cDNA 4930452B06 gene	-4.63	0.44	0.06
A_52_P485939	NM_026228	Slc39a8	67547	solute carrier family 39 (metal ion transporter), member	-3.61	0.44	0.25
A_52_P34031	NM_029331	1700019G17	5541	RIKEN cDNA 1700019G17 gene	-3.47	0.44	0.32
A_52_P482124	NM_026455	Fam32a	67922	family with sequence similarity 32, member A	-2.95	0.44	0.76
A_52_P674386	AK087243	Tmcc1	330401	transmembrane and coiled coil domains 1	-3.49	0.44	0.31
A_51_P299632	NM_027641	Spef1	70997	sperm flagellar 1	-4.58	0.44	0.06
A_52_P545181	NM_021371	Caln1	140904	calneuron 1	-4.18	0.44	0.11
A_52_P6045	NM_029522	Gpsm2	76123	G-protein signalling modulator 2 (AGS3-like, C. elegans)	-3.06	0.44	0.65
A_51_P174422	NM_013761	Srr	27364	serine racemase	-3.10	0.44	0.60
A_52_P219141	NM_028439	3110009E1	73103	RIKEN cDNA 3110009E18 gene	-3.20	0.44	0.52
A_52_P78514	AK054415	Pik3c2g	18705	phosphatidylinositol 3-kinase, C2 domain containing, gan	-3.23	0.44	0.49
A_51_P238183	XM_903670	NA	NA	NA	-4.31	0.44	0.08
A_51_P161890	NM_010189	Fcgrt	14132	Fc receptor, IgG, alpha chain transporter	-4.43	0.44	0.09
A_52_P335907	NM_026172	Decr1	67460	2,4-dienoyl CoA reductase 1, mitochondrial	-4.67	0.44	0.06
A_51_P187507	NM_028037	Acad10	71985	acyl-Coenzyme A dehydrogenase family, member 10	-5.19	0.44	0.00
A_51_P496462	NM_145398	Casd1	213819	CAS1 domain containing 1	-3.03	0.44	0.68
A_52_P92472	NA	NA	NA	NA	-4.30	0.44	0.08
A_52_P296109	AK078667	Cstf1	67337	cleavage stimulation factor, 3' pre-RNA, subunit 1	-4.26	0.44	0.08
A_52_P370225	NM_027062	C8g	69379	complement component 8, gamma polypeptide	-4.85	0.44	0.07
A_51_P290526	NM_011994	Abcd2	26874	ATP-binding cassette, sub-family D (ALD), member 2	-3.41	0.44	0.34
A_51_P343429	NM_026331	Slc25a37	67712	solute carrier family 25, member 37	-4.35	0.44	0.09
A_51_P240857	NM_144807	Chpt1	212862	choline phosphotransferase 1	-2.97	0.43	0.75
A_51_P152578	XM_131566	NA	NA	NA	-4.31	0.43	0.08
A_51_P513573	NM_145603	Ces2	234671	carboxylesterase 2	-3.61	0.43	0.25
A_52_P588483	NM_010180	Fbln1	14114	fibulin 1	-2.81	0.43	1.02
A_51_P462102	BC052391	Gpr125	70693	G protein-coupled receptor 125	-5.46	0.43	0.00
A_51_P366960	NM_016763	Hsd17b10	15108	hydroxysteroid (17-beta) dehydrogenase 10	-3.85	0.43	0.16
A_51_P237890	NA	NA	NA	NA	-3.38	0.43	0.36
A_51_P312846	NM_023605	Fbxo9	71538	f-box protein 9	-3.11	0.43	0.60
A_52_P150950	NM_153157	Olfm3	229759	olfactomedin 3	-4.69	0.43	0.06
A_51_P513992	NM_139151	Spag4	245865	sperm associated antigen 4	-5.72	0.43	0.00
A_51_P193302	NM_025305	Mrps7	50529	mitochondrial ribosomal protein S7	-3.73	0.43	0.21
A_51_P185229	NM_007553	Bmp2	12156	bone morphogenetic protein 2	-2.89	0.43	0.89

A_51_P304397	BC100404	Cpm	70574	carboxypeptidase M	-3.02	0.43	0.70
A_51_P130057	NM_175523	Ppm1k	243382	protein phosphatase 1K (PP2C domain containing)	-2.91	0.43	0.85
A_51_P327451	NM_009653	Alas2	11656	aminolevulinic acid synthase 2, erythroid	-3.92	0.43	0.14
A_51_P432563	NM_031178	Tlr9	81897	toll-like receptor 9	-3.35	0.43	0.38
A_51_P287001	NM_019503	Fxyd1	56188	FXYD domain-containing ion transport regulator 1	-3.83	0.43	0.18
A_51_P443618	NM_026686	0610011F068347		RIKEN cDNA 0610011F06 gene	-5.86	0.43	0.00
A_51_P114826	NM_019707	Cdh13	12554	cadherin 13	-5.11	0.43	0.00
A_51_P110381	NM_144943	Cd207	246278	CD207 antigen	-2.85	0.43	0.95
A_52_P190527	BC019948	Gpatch8	237943	G patch domain containing 8	-4.77	0.43	0.07
A_51_P208555	NM_026172	Decr1	67460	2,4-dienoyl CoA reductase 1, mitochondrial	-3.52	0.43	0.29
A_52_P576208	XM_988947	A930018M328399		RIKEN cDNA A930018M24 gene	-2.92	0.43	0.82
A_51_P359516	NM_199223	Rtn4rl2	269295	reticulon 4 receptor-like 2	-3.29	0.43	0.42
A_52_P63368	BC066830	Wdr67	210544	WD repeat domain 67	-3.00	0.43	0.70
A_51_P483159	NM_177157	Gchfr	320415	GTP cyclohydrolase I feedback regulator	-5.93	0.43	0.00
A_51_P352057	NM_008819	Pemt	18618	phosphatidylethanolamine N-methyltransferase	-3.53	0.43	0.28
A_51_P331507	NM_173011	Idh2	269951	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-4.25	0.43	0.08
A_52_P671916	NM_172783	Phka2	110094	phosphorylase kinase alpha 2	-2.97	0.43	0.75
A_51_P114634	NM_173405	Amz1	231842	archaelysin family metallopeptidase 1	-4.41	0.43	0.09
A_52_P488011	NA	NA	NA	NA	-3.58	0.43	0.27
A_51_P261737	NM_021517	Pdzk1	59020	PDZ domain containing 1	-3.03	0.43	0.68
A_51_P359432	AK045942	NA	NA	NA	-3.33	0.43	0.40
A_51_P291247	NM_008646	Cpamd8	17837	C3 and PZP-like, alpha-2-macroglobulin domain containir	-3.34	0.43	0.40
A_51_P423963	NM_031872	Tas1r3	83771	taste receptor, type 1, member 3	-4.99	0.43	0.00
A_51_P521374	NM_026341	Nudt13	67725	nudix (nucleoside diphosphate linked moiety X)-type mol	-4.02	0.43	0.13
A_51_P140368	NM_026844	2310061C166531		RIKEN cDNA 2310061C15 gene	-3.57	0.42	0.27
A_51_P124126	NM_019823	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-3.85	0.42	0.16
A_52_P286098	NA	NA	NA	NA	-3.10	0.42	0.60
A_52_P634329	XM_987710	NA	NA	NA	-3.98	0.42	0.12
A_52_P655508	NA	NA	NA	NA	-3.73	0.42	0.21
A_51_P243122	NM_001029	Sec14l3	380683	SEC14-like 3 (<i>S. cerevisiae</i>)	-3.79	0.42	0.17
A_51_P275989	NM_001037	RP23-195K	622404	coiled-coil domain containing 107	-5.52	0.42	0.00
A_52_P297251	NM_009666	Amelx	11704	amelogenin X chromosome	-3.15	0.42	0.55
A_51_P459240	AK002661	Gstk1	76263	glutathione S-transferase kappa 1	-4.00	0.42	0.12
A_52_P619880	BC048732	26100021172341		RIKEN cDNA 2610002117	-3.02	0.42	0.70

A_51_P159402	NM_013847	Gcat	26912	glycine C-acetyltransferase (2-amino-3-ketobutyrate-coe	-4.76	0.42	0.07
A_52_P669996	NM_029239	Prkd3	75292	protein kinase D3	-3.08	0.42	0.62
A_52_P302345	NM_133969	Cyp4v3	102294	cytochrome P450, family 4, subfamily v, polypeptide 3	-3.04	0.42	0.67
A_52_P70027	BC100533	Cox16	66272	COX16 cytochrome c oxidase assembly homolog (S. cerev	-3.15	0.42	0.56
A_52_P466907	NM_026276	Aasdhppt	67618	aminoadipate-semialdehyde dehydrogenase-phosphopai	-3.67	0.42	0.23
A_51_P451186	NM_001003	Rab3ip	216363	RAB3A interacting protein	-4.34	0.42	0.09
A_51_P338600	NM_025387	Tmem14c	66154	transmembrane protein 14C	-3.88	0.42	0.16
A_51_P129480	NM_011124	Ccl21a	18829	chemokine (C-C motif) ligand 21A	-3.52	0.42	0.28
A_51_P502422	NM_025790	Acot13	66834	acyl-CoA thioesterase 13	-3.08	0.42	0.62
A_52_P322006	NM_025903	Ifrd2	15983	interferon-related developmental regulator 2	-4.07	0.42	0.13
A_51_P130459	NM_011694	Vdac1	22333	voltage-dependent anion channel 1	-5.46	0.42	0.00
A_52_P71135	NM_001079	Hnrnp3	432467	heterogeneous nuclear ribonucleoprotein H3	-3.03	0.42	0.68
A_52_P64783	AK032172	Pabpn1	54196	poly(A) binding protein, nuclear 1	-3.65	0.42	0.24
A_52_P680935	NM_001048	Ghr	14600	growth hormone receptor	-4.86	0.42	0.07
A_52_P4271	AK150666	Tcp1	21454	t-complex protein 1	-4.46	0.42	0.05
A_52_P310225	NM_008298	Dnaja1	15502	Dnaj (Hsp40) homolog, subfamily A, member 1	-6.77	0.42	0.00
A_51_P180994	BC025200	3110073HC	73201	RIKEN cDNA 3110073H01 gene	-4.64	0.42	0.06
A_52_P354183	NM_027436	Mipep	70478	mitochondrial intermediate peptidase	-4.94	0.42	0.08
A_52_P550325	NM_010604	Kcnj16	16517	potassium inwardly-rectifying channel, subfamily J, mem	-4.62	0.42	0.06
A_52_P622355	AK008145	Igl-V1	16142	immunoglobulin lambda chain, variable 1	-4.64	0.42	0.06
A_51_P392577	NM_173763	Ccbl2	229905	cysteine conjugate-beta lyase 2	-4.72	0.42	0.06
A_51_P470751	NM_033354	Sec16b	89867	SEC16 homolog B (S. cerevisiae)	-3.05	0.42	0.67
A_51_P519984	NM_172734	Stk38l	232533	serine/threonine kinase 38 like	-2.87	0.42	0.91
A_52_P16136	AK017596	D10Bwg10	52902	DNA segment, Chr 10, Brigham & Women's Genetics 107	-2.96	0.42	0.75
A_51_P376258	NM_008133	Glud1	14661	glutamate dehydrogenase 1	-3.34	0.42	0.40
A_51_P112817	NM_024264	Cyp27a1	104086	cytochrome P450, family 27, subfamily a, polypeptide 1	-4.77	0.42	0.07
A_51_P216496	NM_009364	Tfpi2	21789	tissue factor pathway inhibitor 2	-3.06	0.42	0.65
A_52_P37593	NM_015828	Gne	50798	glucosamine	-2.93	0.42	0.81
A_52_P567531	BC055360	Cntn1	12805	contactin 1	-4.69	0.41	0.06
A_52_P527775	NM_010005	Cyp2d10	13101	cytochrome P450, family 2, subfamily d, polypeptide 10	-4.12	0.41	0.10
A_52_P161707	XM_125901	Cand1	71902	cullin associated and neddylation disassociated 1	-4.43	0.41	0.09
A_51_P154473	NM_008559	Mc1r	17199	melanocortin 1 receptor	-2.84	0.41	0.96
A_51_P244194	NM_053199	Cadm3	94332	cell adhesion molecule 3	-7.84	0.41	0.00
A_51_P460332	NM_007385	Apoc4	11425	apolipoprotein C-IV	-4.87	0.41	0.07

A_51_P383741	NM_007554	Bmp4	12159	bone morphogenetic protein 4	-4.93	0.41	0.08
A_51_P476689	NM_001038	Mapt	17762	microtubule-associated protein tau	-4.18	0.41	0.11
A_52_P498167	NM_138601	D10Jhu81e	28295	DNA segment, Chr 10, Johns Hopkins University 81 expe	-4.13	0.41	0.10
A_52_P256182	NA	NA	NA	NA	-3.10	0.41	0.60
A_51_P167097	AK038845	Crebl2	232430	cAMP responsive element binding protein-like 2	-3.42	0.41	0.34
A_51_P371311	NM_018861	Slc1a4	55963	solute carrier family 1 (glutamate/neutral amino acid tra	-3.66	0.41	0.24
A_51_P116940	NM_007940	Ephx2	13850	epoxide hydrolase 2, cytoplasmic	-5.44	0.41	0.00
A_51_P316951	AK078889	Wipf3	330319	WAS/WASL interacting protein family, member 3	-4.76	0.41	0.07
A_51_P457446	NM_019546	Prodh2	56189	proline dehydrogenase (oxidase) 2	-4.32	0.41	0.08
A_51_P121288	NM_021527	Mkks	59030	McKusick-Kaufman syndrome protein	-4.23	0.41	0.10
A_51_P213334	NM_144919	Hdac11	232232	histone deacetylase 11	-3.30	0.41	0.43
A_51_P415555	NM_001042	Amy2a5	109959	amylase 2a5	-4.44	0.41	0.10
A_52_P67666	NM_021370	Accn5	58170	amiloride-sensitive cation channel 5, intestinal	-4.68	0.41	0.06
A_51_P430950	NM_009041	Rdx	19684	radixin	-3.73	0.41	0.21
A_52_P714654	AK020221	8030488J0	77504	RIKEN cDNA 8030488J09 gene	-3.21	0.41	0.50
A_52_P362106	AK005018	NA	NA	NA	-3.41	0.41	0.35
A_51_P377579	NM_026601	Hyi	68180	hydroxypyruvate isomerase homolog (E. coli)	-5.28	0.41	0.00
A_52_P438170	AK084787	Lifr	16880	leukemia inhibitory factor receptor	-3.22	0.41	0.49
A_52_P77093	NM_028166	1600014C1	72244	RIKEN cDNA 1600014C10 gene	-3.46	0.41	0.33
A_51_P435339	NM_010149	Epor	13857	erythropoietin receptor	-4.16	0.41	0.11
A_52_P93256	NM_011923	Angptl2	26360	angiopoietin-like 2	-4.89	0.41	0.08
A_51_P196925	NM_009142	Cx3cl1	20312	chemokine (C-X3-C motif) ligand 1	-3.29	0.41	0.43
A_51_P424054	XM_0010007	Btbd2	208198	BTB (POZ) domain containing 2	-3.41	0.41	0.34
A_52_P64376	NM_026713	Mogat1	68393	monoacylglycerol O-acyltransferase 1	-7.43	0.41	0.00
A_51_P372473	NM_016709	Auh	11992	AU RNA binding protein/enoyl-coenzyme A hydratase	-6.19	0.41	0.00
A_52_P340136	X71478	Cyp4a10	13117	cytochrome P450, family 4, subfamily a, polypeptide 10	-3.06	0.41	0.65
A_51_P375406	NM_144861	Rprd1a	225283	regulation of nuclear pre-mRNA domain containing 1A	-3.53	0.41	0.29
A_51_P242560	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-3.21	0.41	0.50
A_51_P313337	AK077261	2700089E2	381820	RIKEN cDNA 2700089E24 gene	-3.75	0.41	0.21
A_51_P140347	NM_172830	Slc4a9	240215	solute carrier family 4, sodium bicarbonate cotransporter	-2.96	0.41	0.75
A_51_P391082	NM_007386	Aco1	11428	aconitase 1	-3.68	0.41	0.22
A_51_P460869	NM_145401	Prkag2	108099	protein kinase, AMP-activated, gamma 2 non-catalytic su	-5.25	0.41	0.00
A_51_P516012	NM_008745	Ntrk2	18212	neurotrophic tyrosine kinase, receptor, type 2	-3.24	0.41	0.47
A_51_P421804	NM_013896	Timm9	30056	translocase of inner mitochondrial membrane 9 homolog	-3.85	0.41	0.16

A_51_P478952	NM_133898	N4bp2l1	100637	NEDD4 binding protein 2-like 1	-3.29	0.40	0.42
A_51_P249118	NM_008830	Abcb4	18670	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-3.98	0.40	0.12
A_51_P338485	NM_134042	Aldh6a1	104776	aldehyde dehydrogenase family 6, subfamily A1	-5.28	0.40	0.00
A_51_P361620	BC019122	Hist2h2bb	319189	histone cluster 2, H2bb	-2.95	0.40	0.78
A_51_P188795	NM_025337	Akr7a5	110198	aldo-keto reductase family 7, member A5 (aflatoxin aldehyde reductase)	-3.71	0.40	0.20
A_51_P190572	NM_133906	Zkscan1	74570	zinc finger with KRAB and SCAN domains 1	-3.89	0.40	0.16
A_51_P122170	NM_017473	Rdh7	54150	retinol dehydrogenase 7	-3.73	0.40	0.21
A_51_P519811	NM_018751	Sult1c1	20888	sulfotransferase family, cytosolic, 1C, member 1	-3.71	0.40	0.20
A_51_P419726	NM_011218	Ptprs	19280	protein tyrosine phosphatase, receptor type, S	-5.21	0.40	0.00
A_51_P352324	NM_009197	Slc16a2	20502	solute carrier family 16 (monocarboxylic acid transporter)	-3.90	0.40	0.17
A_51_P164939	NM_144916	Tmem150a	232086	transmembrane protein 150A	-2.91	0.40	0.85
A_52_P24631	NM_018745	Azin1	54375	antizyme inhibitor 1	-5.84	0.40	0.00
A_52_P655206	AK050258	NA	NA	NA	-3.17	0.40	0.53
A_52_P302012	NM_026844	2310061C1	66531	RIKEN cDNA 2310061C15 gene	-3.09	0.40	0.62
A_51_P181312	NM_026428	Dcxr	67880	dicarbonyl L-xylulose reductase	-3.93	0.40	0.14
A_51_P483301	NM_177256	Prdx6-rs1	320769	peroxiredoxin 6, related sequence 1	-5.76	0.40	0.00
A_51_P221031	NM_172838	Slc16a12	240638	solute carrier family 16 (monocarboxylic acid transporter)	-3.00	0.40	0.70
A_51_P264673	AK083198	Prlr	19116	prolactin receptor	-3.04	0.40	0.68
A_52_P676573	NM_007626	Cbx5	12419	chromobox homolog 5 (Drosophila HP1a)	-3.85	0.40	0.16
A_52_P78770	NM_144807	Chpt1	212862	choline phosphotransferase 1	-3.57	0.40	0.28
A_52_P119830	NM_177186	A530082C1	1320541	RIKEN cDNA A530082C11 gene	-4.10	0.40	0.10
A_51_P286996	AF089734	Fxyd1	56188	FXDY domain-containing ion transport regulator 1	-5.04	0.40	0.00
A_52_P427438	AK220454	C2cd2	207781	C2 calcium-dependent domain containing 2	-3.31	0.40	0.42
A_52_P109941	NM_007575	Ciita	12265	class II transactivator	-4.54	0.40	0.05
A_51_P242345	NM_146193	Btbd1	83962	BTB (POZ) domain containing 1	-4.86	0.40	0.07
A_52_P129867	NM_177244	Fastkd1	320720	FAST kinase domains 1	-3.04	0.40	0.68
A_52_P197627	NM_009471	Umps	22247	uridine monophosphate synthetase	-5.04	0.40	0.00
A_52_P14506	NA	NA	NA	NA	-3.81	0.40	0.18
A_51_P224164	NM_011867	Slc26a4	23985	solute carrier family 26, member 4	-4.29	0.40	0.08
A_51_P114236	NA	NA	NA	NA	-4.05	0.40	0.13
A_51_P133562	NM_007618	Serpina6	12401	serine (or cysteine) peptidase inhibitor, clade A, member 6	-3.14	0.40	0.58
A_52_P118495	AK035049	Kdsr	70750	3-ketodihydrosphingosine reductase	-6.10	0.40	0.00
A_52_P655663	NM_010376	H13	14950	histocompatibility 13	-4.13	0.40	0.10
A_51_P443293	NM_011933	Decr2	26378	2-4-dienoyl-Coenzyme A reductase 2, peroxisomal	-4.58	0.40	0.06

A_52_P81783	BC029786	Gspt1	14852	G1 to S phase transition 1	-3.60	0.40	0.26
A_52_P390625	NM_026572	Gcsh	68133	glycine cleavage system protein H (aminomethyl carrier)	-3.98	0.40	0.12
A_51_P325501	NM_053250	Crip3	114570	cysteine-rich protein 3	-4.17	0.40	0.11
A_51_P163605	NM_024203	Fam120b	67544	family with sequence similarity 120, member B	-5.27	0.40	0.00
A_51_P519369	NM_023328	Agtpbp1	67269	ATP/GTP binding protein 1	-3.98	0.40	0.12
A_52_P159077	NM_011734	Siae	22619	sialic acid acetyltransferase	-3.39	0.40	0.36
A_52_P610923	NM_139305	Car9	230099	carbonic anhydrase 9	-3.04	0.40	0.67
A_51_P425680	NM_019826	Ivd	56357	isovaleryl coenzyme A dehydrogenase	-5.13	0.40	0.00
A_51_P488422	NM_029475	Adal	75894	adenosine deaminase-like	-3.94	0.40	0.14
A_52_P223508	AK081581	6720401G1	103012	RIKEN cDNA 6720401G13 gene	-6.91	0.40	0.00
A_51_P404904	NM_013770	Slc25a10	27376	solute carrier family 25 (mitochondrial carrier, dicarboxyl	-3.50	0.40	0.31
A_51_P253824	AK008211	Mgst3	66447	microsomal glutathione S-transferase 3	-6.69	0.40	0.00
A_51_P469724	NM_053229	V1rb8	113856	vomer nasal 1 receptor, B8	-3.02	0.40	0.70
A_52_P393392	NM_153526	Insig1	231070	insulin induced gene 1	-2.98	0.40	0.74
A_51_P262766	NM_007631	Ccnd1	12443	cyclin D1	-3.25	0.40	0.46
A_51_P226655	NM_011125	Pltp	18830	phospholipid transfer protein	-2.84	0.40	0.96
A_51_P313761	NM_028230	Shmt2	108037	serine hydroxymethyltransferase 2 (mitochondrial)	-4.00	0.40	0.12
A_52_P59681	NM_008287	Hrsp12	15473	heat-responsive protein 12	-4.11	0.40	0.10
A_51_P176352	NM_013864	Ndrp2	29811	N-myc downstream regulated gene 2	-3.73	0.40	0.21
A_51_P513991	AK220494	Spag4	245865	sperm associated antigen 4	-5.43	0.40	0.00
A_52_P176573	NM_011983	Homer2	26557	homer homolog 2 (Drosophila)	-3.41	0.40	0.35
A_51_P429567	NM_053106	Lmod1	93689	leiomodulin 1 (smooth muscle)	-3.17	0.40	0.53
A_51_P112151	NM_026713	Mogat1	68393	monoacylglycerol O-acyltransferase 1	-6.45	0.39	0.00
A_51_P318933	NM_007595	Camk2b	12323	calcium/calmodulin-dependent protein kinase II, beta	-3.08	0.39	0.62
A_52_P685999	NM_027853	Mettl7b	71664	methyltransferase like 7B	-2.81	0.39	1.02
A_52_P1179483	AK015079	4930404H1	173815	RIKEN cDNA 4930404H11 gene	-3.99	0.39	0.12
A_51_P385086	NM_009379	Thpo	21832	thrombopoietin	-2.99	0.39	0.71
A_51_P450052	NM_026003	Smarca2	67155	SWI/SNF related, matrix associated, actin dependent regu	-3.74	0.39	0.21
A_52_P454703	BC033430	LOC100270	1E+08	hypothetical LOC100270747	-5.27	0.39	0.00
A_51_P229547	NM_020252	Nrxn1	18189	neurexin I	-5.21	0.39	0.00
A_51_P214306	NM_145462	Haus4	219072	HAUS augmin-like complex, subunit 4	-3.82	0.39	0.18
A_51_P109258	NM_138686	Cys1	12879	cystin 1	-3.09	0.39	0.62
A_51_P406077	NM_025363	Fmc1	66117	formation of mitochondrial complexes 1 homolog (S. cere	-5.51	0.39	0.00
A_51_P396917	NM_026752	Zfyve21	68520	zinc finger, FYVE domain containing 21	-3.42	0.39	0.34

A_51_P458873	NM_019806	Vapb	56491	vesicle-associated membrane protein, associated protein	-4.59	0.39	0.06
A_51_P316173	NM_145845	V1ri1	252907	vomeronal 1 receptor, l1	-3.62	0.39	0.25
A_51_P513311	NM_009107	Rxrg	20183	retinoid X receptor gamma	-3.61	0.39	0.25
A_51_P424954	AK045415	B230114P1402735		RIKEN cDNA B230114P17 gene	-4.36	0.39	0.09
A_51_P425254	NM_145519	Farp2	227377	FERM, RhoGEF and pleckstrin domain protein 2	-5.09	0.39	0.00
A_51_P492366	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-5.52	0.39	0.00
A_51_P127469	NM_024284	Hagh	14651	hydroxyacyl glutathione hydrolase	-3.66	0.39	0.24
A_51_P242859	NM_013777	Akr1c12	622402	aldo-keto reductase family 1, member C12	-6.70	0.39	0.00
A_51_P426276	NM_133667	Pdk2	18604	pyruvate dehydrogenase kinase, isoenzyme 2	-3.35	0.39	0.39
A_51_P265093	AK144671	Aasdhppt	67618	aminoadipate-semialdehyde dehydrogenase-phosphopai	-4.09	0.39	0.10
A_52_P562267	NM_001033	9130409I2:619326		RIKEN cDNA 9130409I23 gene	-4.87	0.39	0.07
A_51_P358256	NM_009803	Nr1i3	12355	nuclear receptor subfamily 1, group I, member 3	-3.03	0.39	0.68
A_51_P392090	NM_133683	Tmem19	67226	transmembrane protein 19	-3.12	0.39	0.59
A_51_P436469	NM_144821	AI317395	215929	expressed sequence AI317395	-6.41	0.39	0.00
A_52_P269057	AK042006	Elp4	77766	elongation protein 4 homolog (S. cerevisiae)	-3.69	0.39	0.22
A_52_P438359	AK042464	Dnajc19	67713	Dnaj (Hsp40) homolog, subfamily C, member 19	-4.37	0.39	0.09
A_51_P518893	NM_001002	Ccin	442829	calicin	-3.84	0.39	0.18
A_52_P336142	NM_011920	Abcg2	26357	ATP-binding cassette, sub-family G (WHITE), member 2	-4.46	0.39	0.05
A_52_P382926	NM_145973	Ell3	269344	elongation factor RNA polymerase II-like 3	-4.55	0.39	0.05
A_51_P393226	X52641	H2-Eb1	14969	histocompatibility 2, class II antigen E beta	-4.48	0.39	0.05
A_51_P159711	NM_053070	Car7	12354	carbonic anhydrase 7	-4.05	0.39	0.13
A_52_P203398	NM_025834	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein	-3.49	0.39	0.31
A_52_P121486	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activ	-3.36	0.39	0.37
A_51_P489720	NM_153081	Slc16a11	216867	solute carrier family 16 (monocarboxylic acid transporter	-4.69	0.39	0.06
A_51_P381321	NM_199080	Ddx17	67040	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-3.96	0.39	0.15
A_52_P382627	NM_134111	Eaf2	106389	ELL associated factor 2	-4.13	0.39	0.10
A_52_P91265	NM_013855	Abca3	27410	ATP-binding cassette, sub-family A (ABC1), member 3	-3.97	0.39	0.15
A_51_P503937	NM_009790	Calm1	12313	calmodulin 1	-3.19	0.39	0.52
A_51_P309854	NM_080465	Kcnn2	140492	potassium intermediate/small conductance calcium-activ	-3.27	0.39	0.44
A_52_P145912	NM_139300	Mylk	107589	myosin, light polypeptide kinase	-3.48	0.39	0.32
A_51_P157406	NM_008963	Ptgds	19215	prostaglandin D2 synthase (brain)	-4.74	0.39	0.06
A_51_P252545	NM_026447	Ppm1m	67905	protein phosphatase 1M	-3.25	0.39	0.46
A_51_P401176	NM_175515	Intu	380614	inturned planar cell polarity effector homolog (Drosophil	-3.69	0.39	0.22
A_51_P342206	NM_010002	Cyp2c38	13097	cytochrome P450, family 2, subfamily c, polypeptide 38	-3.93	0.39	0.14

A_51_P350378	NA	NA	NA	NA		-2.94	0.38	0.79
A_52_P654624	AK161130	Pisd-ps3	66776	phosphatidylserine decarboxylase, pseudogene 3		-3.06	0.38	0.65
A_52_P680941	NM_001048:	Ghr	14600	growth hormone receptor		-4.24	0.38	0.08
A_51_P276766	NM_007416	Adra1b	11548	adrenergic receptor, alpha 1b		-3.04	0.38	0.67
A_51_P111192	NM_010005	Cyp2d10	13101	cytochrome P450, family 2, subfamily d, polypeptide 10		-5.13	0.38	0.00
A_52_P543079	XM_140800	NA	NA	NA		-4.12	0.38	0.10
A_51_P293729	NM_054102	Ivns1abp	117198	influenza virus NS1A binding protein		-4.55	0.38	0.05
A_51_P126476	NM_010863	Myo1b	17912	myosin IB		-4.06	0.38	0.13
A_52_P282035	NM_019403	Rnf5	54197	ring finger protein 5		-4.16	0.38	0.11
A_51_P146655	NM_029880	Ptgr2	77219	prostaglandin reductase 2		-3.80	0.38	0.17
A_52_P423183	NM_130864	Acaa1a	113868	acetyl-Coenzyme A acyltransferase 1A		-4.75	0.38	0.07
A_51_P340355	NM_172310	Tarsl2	272396	threonyl-tRNA synthetase-like 2		-3.75	0.38	0.21
A_52_P175199	NM_173418	Lrit2	239038	leucine-rich repeat, immunoglobulin-like and transmemb		-4.15	0.38	0.11
A_51_P170207	NM_144888	Mavs	228607	mitochondrial antiviral signaling protein		-3.53	0.38	0.28
A_51_P422893	NM_029398	Tmem14a	75712	transmembrane protein 14A		-2.98	0.38	0.72
A_51_P227202	NA	NA	NA	NA		-3.12	0.38	0.60
A_51_P320481	NM_028626	Mcee	73724	methylmalonyl CoA epimerase		-3.64	0.38	0.23
A_52_P575217	NM_139300	Mylk	107589	myosin, light polypeptide kinase		-3.71	0.38	0.20
A_51_P402583	NM_008156	Gpld1	14756	glycosylphosphatidylinositol specific phospholipase D1		-3.98	0.38	0.12
A_51_P422369	NM_001013:	Odf3b	70113	outer dense fiber of sperm tails 3B		-3.86	0.38	0.16
A_51_P263993	NM_008280	Lipc	15450	lipase, hepatic		-5.08	0.38	0.00
A_51_P487818	NM_017399	Fabp1	14080	fatty acid binding protein 1, liver		-4.54	0.38	0.05
A_52_P222981	AK033485	Pgap1	241062	post-GPI attachment to proteins 1		-4.01	0.38	0.12
A_51_P332140	NM_009900	Clcn2	12724	chloride channel 2		-2.99	0.38	0.71
A_51_P101255	NM_027896	Coasy	71743	Coenzyme A synthase		-4.03	0.38	0.13
A_52_P1139679	AK040552	NA	NA	NA		-3.73	0.38	0.21
A_52_P161297	NM_011542	Tcea3	21401	transcription elongation factor A (SII), 3		-3.20	0.38	0.52
A_51_P293853	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)		-3.61	0.38	0.25
A_51_P262230	NM_145466	A2ld1	223267	AlG2-like domain 1		-4.37	0.38	0.09
A_51_P372418	NM_026521	Zfp706	68036	zinc finger protein 706		-3.47	0.38	0.33
A_51_P166244	BC076637	Osbpl1a	64291	oxysterol binding protein-like 1A		-3.73	0.38	0.21
A_51_P356169	NM_013861	Tpk1	29807	thiamine pyrophosphokinase		-3.51	0.38	0.29
A_52_P356068	NM_025834	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein		-4.04	0.38	0.13
A_51_P166288	NM_025371	Acy1	109652	aminoacylase 1		-3.67	0.38	0.23

A_51_P180613	NM_153783	Paox	212503	polyamine oxidase (exo-N4-amino)	-3.58	0.38	0.26
A_52_P640221	NM_001042	Slc22a18	18400	solute carrier family 22 (organic cation transporter), men	-4.53	0.38	0.05
A_52_P574720	NM_010959	Oit3	18302	oncoprotein induced transcript 3	-2.82	0.38	0.99
A_51_P190740	NM_007421	Adssl1	11565	adenylosuccinate synthetase like 1	-3.53	0.38	0.28
A_51_P172917	NM_007717	Cmah	12763	cytidine monophospho-N-acetylneuraminic acid hydroxy	-4.29	0.38	0.08
A_51_P462422	NM_008124	Gjb1	14618	gap junction protein, beta 1	-3.70	0.38	0.22
A_51_P212679	XM_901651	NA	NA	NA	-3.00	0.38	0.71
A_52_P123230	NM_175438	Aldh4a1	212647	aldehyde dehydrogenase 4 family, member A1	-3.29	0.38	0.43
A_51_P267063	NM_144845	Ugt3a2	223337	UDP glycosyltransferases 3 family, polypeptide A2	-3.50	0.38	0.31
A_51_P348804	NM_019764	Amotl2	56332	angiomin-like 2	-5.64	0.38	0.00
A_52_P540855	NM_007453	Prdx6	11758	peroxiredoxin 6	-4.77	0.38	0.07
A_52_P421947	AK134122	Mtss1	211401	metastasis suppressor 1	-3.68	0.38	0.22
A_52_P1064707	NA	NA	NA	NA	-3.44	0.38	0.34
A_52_P236777	AK029403	Setd3	52690	SET domain containing 3	-2.82	0.38	0.99
A_52_P52200	NA	NA	NA	NA	-4.11	0.37	0.10
A_52_P112651	NM_025828	Lman2	66890	lectin, mannose-binding 2	-3.43	0.37	0.34
A_51_P140742	NM_012043	Islr	26968	immunoglobulin superfamily containing leucine-rich repe	-3.94	0.37	0.14
A_51_P221132	NM_145443	L2hgdh	217666	L-2-hydroxyglutarate dehydrogenase	-4.31	0.37	0.08
A_52_P11441	NM_173781	Rab6b	270192	RAB6B, member RAS oncogene family	-3.68	0.37	0.22
A_52_P279651	NM_019778	Zbtb20	56490	zinc finger and BTB domain containing 20	-4.17	0.37	0.11
A_52_P582251	AK006209	1700021J0	72235	RIKEN cDNA 1700021J08 gene	-3.12	0.37	0.59
A_51_P414762	NM_026361	Pkp4	227937	plakophilin 4	-4.42	0.37	0.09
A_51_P389905	NM_013881	Ulk2	29869	Unc-51 like kinase 2 (C. elegans)	-4.50	0.37	0.05
A_51_P405659	NM_175342	Cphx	105594	cytoplasmic polyadenylated homeobox	-4.01	0.37	0.12
A_51_P180617	NM_153783	Paox	212503	polyamine oxidase (exo-N4-amino)	-3.81	0.37	0.17
A_51_P176387	AK077784	Hook3	320191	hook homolog 3 (Drosophila)	-2.95	0.37	0.76
A_52_P512365	NM_009894	Cideb	12684	cell death-inducing DNA fragmentation factor, alpha subu	-2.90	0.37	0.85
A_51_P345896	NM_133880	Pafah2	100163	platelet-activating factor acetylhydrolase 2	-3.55	0.37	0.27
A_51_P510764	AK040702	Tmem195	319660	transmembrane protein 195	-4.16	0.37	0.11
A_52_P597618	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-3.21	0.37	0.50
A_51_P435068	NM_025826	Acadslb	66885	acyl-Coenzyme A dehydrogenase, short/branched chain	-3.61	0.37	0.25
A_51_P126563	NM_008769	Otc	18416	ornithine transcarbamylase	-3.41	0.37	0.35
A_52_P229972	NM_009202	Slc22a1	20517	solute carrier family 22 (organic cation transporter), men	-5.41	0.37	0.00
A_52_P329164	AK087910	D130020L0	319760	RIKEN cDNA D130020L05 gene	-3.49	0.37	0.31

A_51_P204582	NM_019403	Rnf5	54197	ring finger protein 5	-5.16	0.37	0.00
A_51_P276943	NM_016696	Gpc1	14733	glypican 1	-3.08	0.37	0.62
A_52_P327156	NM_197983	0610008F068314		RIKEN cDNA 0610008F07 gene	-3.39	0.37	0.36
A_51_P511680	NM_001033	Ttc38	239570	tetratricopeptide repeat domain 38	-3.56	0.37	0.28
A_52_P315766	NM_010007	Cyp2j5	13109	cytochrome P450, family 2, subfamily j, polypeptide 5	-3.97	0.37	0.15
A_52_P532384	NA	NA	NA	NA	-6.73	0.37	0.00
A_51_P332217	NM_181418	Ushbp1	234395	Usher syndrome 1C binding protein 1	-3.17	0.37	0.53
A_51_P284486	NM_008183	Gstm2	14863	glutathione S-transferase, mu 2	-3.88	0.37	0.16
A_51_P445683	NM_133732	4931406C070984		RIKEN cDNA 4931406C07 gene	-4.30	0.37	0.08
A_52_P467930	NA	NA	NA	NA	-5.02	0.37	0.00
A_52_P582112	NM_181821	Hcfc1r1	353502	host cell factor C1 regulator 1 (XPO1-dependent)	-3.99	0.37	0.12
A_52_P634607	NA	NA	NA	NA	-3.10	0.37	0.60
A_51_P132978	NM_010497	ldh1	15926	isocitrate dehydrogenase 1 (NADP+), soluble	-3.44	0.37	0.35
A_51_P346179	NM_026690	Aspdh	68352	aspartate dehydrogenase domain containing	-3.93	0.37	0.14
A_51_P180091	NM_028775	Cyp2s1	74134	cytochrome P450, family 2, subfamily s, polypeptide 1	-3.01	0.37	0.70
A_51_P451458	NM_174857	Mamdc2	71738	MAM domain containing 2	-6.51	0.37	0.00
A_52_P596755	NM_207161	BC048355	381101	cDNA sequence BC048355	-4.24	0.37	0.08
A_52_P70032	BC100533	Cox16	66272	COX16 cytochrome c oxidase assembly homolog (S. cerev	-3.74	0.37	0.21
A_51_P279100	NM_008969	Ptgs1	19224	prostaglandin-endoperoxide synthase 1	-2.89	0.37	0.89
A_51_P256902	NM_031884	Abcg5	27409	ATP-binding cassette, sub-family G (WHITE), member 5	-4.08	0.37	0.10
A_51_P489192	NM_015784	Postn	50706	periostin, osteoblast specific factor	-6.28	0.37	0.00
A_51_P139320	NM_025273	Pcbd1	13180	pterin 4 alpha carbinolamine dehydratase/dimerization c	-3.53	0.37	0.29
A_52_P598634	AK045413	1190007I07544717		RIKEN cDNA 1190007I07 gene	-4.81	0.37	0.07
A_51_P209782	NM_001001	Cyp2c44	226143	cytochrome P450, family 2, subfamily c, polypeptide 44	-4.51	0.37	0.05
A_51_P496432	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-3.70	0.37	0.22
A_51_P418056	NM_172769	Sc5d	235293	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) h	-2.82	0.37	0.99
A_52_P339742	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-3.64	0.37	0.24
A_51_P338886	NM_026950	Ociad2	433904	OCIA domain containing 2	-4.54	0.37	0.05
A_52_P337427	NM_027829	9030607L171564		RIKEN cDNA 9030607L17 gene	-3.67	0.37	0.23
A_51_P492408	NM_026784	Pmvk	68603	phosphomevalonate kinase	-3.01	0.37	0.70
A_51_P351273	NM_011542	Tcea3	21401	transcription elongation factor A (SII), 3	-3.19	0.37	0.52
A_51_P491329	NM_026018	Pdzk1ip1	67182	PDZK1 interacting protein 1	-7.60	0.37	0.00
A_51_P432511	NM_145743	Lace1	215951	lactation elevated 1	-3.89	0.36	0.16
A_52_P499251	AK020717	Cryl1	68631	crystallin, lambda 1	-3.02	0.36	0.70

A_52_P427449	NM_018832	Magix	54634	MAGI family member, X-linked	-3.39	0.36	0.36
A_51_P355629	NM_008087	Gas2	14453	growth arrest specific 2	-3.86	0.36	0.16
A_52_P113350	NM_212433	Fbxo3	57443	F-box protein 3	-3.93	0.36	0.14
A_51_P158638	NA	NA	NA	NA	-3.73	0.36	0.21
A_51_P519048	NA	NA	NA	NA	-4.79	0.36	0.07
A_52_P155708	NM_011804	Creg1	433375	cellular repressor of E1A-stimulated genes 1	-3.01	0.36	0.70
A_51_P492446	NM_172401	1110057K068832		RIKEN cDNA 1110057K04 gene	-6.56	0.36	0.00
A_51_P311434	NM_025797	Cyb5	109672	cytochrome b-5	-5.77	0.36	0.00
A_51_P487175	NM_212441	Acsm3	20216	acyl-CoA synthetase medium-chain family member 3	-3.46	0.36	0.33
A_52_P193236	NM_028056	1600002H072016		RIKEN cDNA 1600002H07 gene	-2.84	0.36	0.96
A_52_P981179	NA	NA	NA	NA	-3.67	0.36	0.23
A_51_P193093	NM_008819	Pemt	18618	phosphatidylethanolamine N-methyltransferase	-4.03	0.36	0.13
A_52_P486260	NM_054077	Prelp	116847	proline arginine-rich end leucine-rich repeat	-3.43	0.36	0.34
A_51_P334444	XM_131166	NA	NA	NA	-2.81	0.36	1.02
A_51_P475138	XM_130483	Duox1	99439	dual oxidase 1	-4.27	0.36	0.08
A_51_P292550	AK052715	Chdh	218865	choline dehydrogenase	-2.94	0.36	0.79
A_51_P483511	NM_028785	Dock8	76088	dedicator of cytokinesis 8	-4.16	0.36	0.11
A_51_P137336	NM_009864	Cdh1	12550	cadherin 1	-3.16	0.36	0.55
A_52_P141141	NM_029347	Fggy	75578	FGGY carbohydrate kinase domain containing	-4.72	0.36	0.06
A_51_P189442	NM_011996	Adh4	26876	alcohol dehydrogenase 4 (class II), pi polypeptide	-2.81	0.36	1.02
A_52_P716154	AV242843	NA	NA	NA	-3.47	0.36	0.33
A_51_P367834	NM_010305	Gnai1	14677	guanine nucleotide binding protein (G protein), alpha inh	-3.18	0.36	0.53
A_51_P513611	NM_146078	Ubr2	224826	ubiquitin protein ligase E3 component n-recognin 2	-4.42	0.36	0.09
A_51_P151433	NM_026554	Ncbp2	68092	nuclear cap binding protein subunit 2	-4.77	0.36	0.07
A_52_P110812	NM_019802	Ggcx	56316	gamma-glutamyl carboxylase	-3.10	0.36	0.60
A_51_P139030	NM_023805	Slc38a3	76257	solute carrier family 38, member 3	-3.53	0.36	0.28
A_51_P194883	NM_008434	Kcnq1	16535	potassium voltage-gated channel, subfamily Q, member :	-4.65	0.36	0.06
A_51_P165165	NM_145567	Hibadh	58875	3-hydroxyisobutyrate dehydrogenase	-7.42	0.36	0.00
A_51_P148828	NM_010197	Fgf1	14164	fibroblast growth factor 1	-2.92	0.35	0.82
A_52_P387237	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3	-3.35	0.35	0.38
A_52_P251699	NM_019546	Prodh2	56189	proline dehydrogenase (oxidase) 2	-5.20	0.35	0.00
A_51_P219266	NM_027902	Tmprss6	71753	transmembrane serine protease 6	-4.10	0.35	0.10
A_52_P624155	NA	NA	NA	NA	-4.05	0.35	0.13
A_51_P161342	NM_023732	Abcb6	74104	ATP-binding cassette, sub-family B (MDR/TAP), member :	-5.63	0.35	0.00

A_52_P210246	NM_144855	Cbs	12411	cystathionine beta-synthase	-3.44	0.35	0.35
A_51_P437144	NM_026556	Dynll2	68097	dynein light chain LC8-type 2	-3.03	0.35	0.68
A_51_P106538	NM_030127	Htra3	78558	HtrA serine peptidase 3	-3.57	0.35	0.28
A_51_P275623	NM_015828	Gne	50798	glucosamine	-3.74	0.35	0.21
A_52_P183368	NM_011535	Tbx3	21386	T-box 3	-2.89	0.35	0.89
A_52_P302587	NM_023543	Chn2	69993	chimerin (chimaerin) 2	-4.03	0.35	0.13
A_51_P243323	AK046666	1110020G0	68646	RIKEN cDNA 1110020G09 gene	-4.48	0.35	0.05
A_52_P306357	BC042707	Prok1	246691	prokineticin 1	-3.32	0.35	0.40
A_51_P293901	NM_026819	Dhrs1	52585	dehydrogenase/reductase (SDR family) member 1	-4.40	0.35	0.09
A_52_P657825	AK035670	Sypl	19027	synaptophysin-like protein	-3.75	0.35	0.21
A_51_P234864	NM_178639	Sfxn5	94282	sideroflexin 5	-3.98	0.35	0.12
A_51_P246844	NM_007379	Abca2	11305	ATP-binding cassette, sub-family A (ABC1), member 2	-4.38	0.35	0.09
A_51_P165882	NM_001042	Slc22a18	18400	solute carrier family 22 (organic cation transporter), men	-4.58	0.35	0.06
A_52_P23379	NM_144804	Depdc7	211896	DEP domain containing 7	-4.24	0.35	0.08
A_52_P664044	CN524910	NA	NA	NA	-3.45	0.35	0.33
A_51_P270364	NM_133823	Mmaa	109136	methylmalonic aciduria (cobalamin deficiency) type A	-4.82	0.35	0.07
A_52_P208471	NM_145527	Madd	228355	MAP-kinase activating death domain	-3.73	0.35	0.21
A_52_P293076	NM_007998	Fech	14151	ferrochelatase	-4.96	0.35	0.00
A_52_P234127	AK031268	Odz3	23965	odd Oz/ten-m homolog 3 (Drosophila)	-3.37	0.35	0.37
A_51_P148670	NM_024437	Nudt7	67528	nudix (nucleoside diphosphate linked moiety X)-type mol	-6.49	0.35	0.00
A_51_P273609	NM_146125	Itpka	228550	inositol 1,4,5-trisphosphate 3-kinase A	-3.55	0.35	0.29
A_52_P178651	NA	NA	NA	NA	-5.85	0.35	0.00
A_51_P443339	NM_133960	Ces6	102022	carboxylesterase 6	-7.45	0.35	0.00
A_52_P859747	AK050399	Gm1381	384198	predicted gene 1381	-3.00	0.35	0.70
A_51_P337897	NM_028447	Prrc1	73137	proline-rich coiled-coil 1	-4.28	0.35	0.08
A_52_P268269	AK003909	Tmem205	235043	transmembrane protein 205	-3.26	0.35	0.46
A_51_P289239	NM_007977	F8	14069	coagulation factor VIII	-4.77	0.35	0.07
A_52_P278354	NM_007557	Bmp7	12162	bone morphogenetic protein 7	-5.30	0.35	0.00
A_51_P307872	NM_010007	Cyp2j5	13109	cytochrome P450, family 2, subfamily j, polypeptide 5	-3.85	0.35	0.16
A_52_P151320	NM_025566	Tnfaip8l1	66443	tumor necrosis factor, alpha-induced protein 8-like 1	-2.85	0.34	0.95
A_51_P187697	NM_028984	8430406I0	74528	RIKEN cDNA 8430406I07 gene	-5.34	0.34	0.00
A_51_P433127	NM_025654	Rdm1	66599	RAD52 motif 1	-5.44	0.34	0.00
A_52_P452599	NM_133217	Bco2	170752	beta-carotene oxygenase 2	-3.45	0.34	0.33
A_51_P133105	AK018420	8430416G1	171469	RIKEN cDNA 8430416G17 gene	-6.45	0.34	0.00

A_51_P180891	NM_028341	Ttc39c	72747	tetratricopeptide repeat domain 39C	-6.44	0.34	0.00
A_51_P397375	NM_144896	Pet112l	229487	PET112-like (yeast)	-5.15	0.34	0.00
A_51_P378545	NM_028030	Rbpms2	71973	RNA binding protein with multiple splicing 2	-3.90	0.34	0.17
A_51_P411271	NM_010902	Nfe2l2	18024	nuclear factor, erythroid derived 2, like 2	-3.91	0.34	0.14
A_52_P458177	AB099518	Mettl7a2	393082	methyltransferase like 7A2	-4.83	0.34	0.07
A_52_P416072	NM_010145	Ephx1	13849	epoxide hydrolase 1, microsomal	-4.42	0.34	0.09
A_52_P150903	AK041002	Tubb6	67951	tubulin, beta 6	-2.83	0.34	0.98
A_52_P683136	NM_030026	Mccc2	78038	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	-3.54	0.34	0.29
A_51_P190106	BC033592	Ralgps2	78255	Ral GEF with PH domain and SH3 binding motif 2	-3.23	0.34	0.48
A_51_P473219	NM_011734	Siae	22619	sialic acid acetyltransferase	-4.02	0.34	0.13
A_51_P298023	NM_028094	Ugt2a3	72094	UDP glucuronosyltransferase 2 family, polypeptide A3	-5.71	0.34	0.00
A_51_P352303	NM_011983	Homer2	26557	homer homolog 2 (Drosophila)	-3.42	0.34	0.34
A_52_P361462	NM_174870	Slc26a1	231583	solute carrier family 26 (sulfate transporter), member 1	-3.05	0.34	0.66
A_51_P505493	NM_134255	Elov15	68801	ELOVL family member 5, elongation of long chain fatty ac	-3.33	0.34	0.40
A_51_P304757	NM_020590	Gabarapl1	57436	gamma-aminobutyric acid (GABA) A receptor-associated	-5.43	0.34	0.00
A_51_P328652	NM_133348	Acot7	70025	acyl-CoA thioesterase 7	-6.53	0.34	0.00
A_51_P424878	NM_025582	2810405K0	66469	RIKEN cDNA 2810405K02 gene	-3.42	0.34	0.34
A_51_P492676	NM_138665	Sardh	192166	sarcosine dehydrogenase	-5.18	0.34	0.00
A_52_P550069	NM_019826	Ivd	56357	isovaleryl coenzyme A dehydrogenase	-6.13	0.34	0.00
A_52_P476560	NM_145853	Tpcn1	252972	two pore channel 1	-2.91	0.34	0.85
A_51_P245789	NM_029620	Pcolce2	76477	procollagen C-endopeptidase enhancer 2	-6.51	0.34	0.00
A_51_P457397	AK009140	Dpp8	74388	dipeptidylpeptidase 8	-4.02	0.34	0.12
A_51_P170823	NM_019867	Ngef	53972	neuronal guanine nucleotide exchange factor	-3.93	0.34	0.14
A_51_P195244	NM_029568	Mfap4	76293	microfibrillar-associated protein 4	-3.23	0.34	0.49
A_52_P202367	NM_001013	Gm10319	381806	predicted gene 10319	-4.36	0.34	0.09
A_52_P327146	AK031552	NA	NA	NA	-3.81	0.34	0.18
A_51_P150770	NM_145852	Ropn1l	252967	ropporin 1-like	-3.92	0.34	0.14
A_52_P236448	NM_033217	Ngfr	18053	nerve growth factor receptor (TNFR superfamily, membe	-4.42	0.34	0.09
A_51_P318262	NM_010403	Hao1	15112	hydroxyacid oxidase 1, liver	-4.31	0.34	0.08
A_51_P181319	NM_026428	Dcxr	67880	dicarbonyl L-xylulose reductase	-4.51	0.34	0.05
A_51_P140541	BC090963	Ppm1b	19043	protein phosphatase 1B, magnesium dependent, beta isc	-2.83	0.34	0.98
A_52_P277378	AK081406	Thap2	66816	THAP domain containing, apoptosis associated protein 2	-3.37	0.34	0.37
A_52_P176619	AK028297	2610110G1	73242	RIKEN cDNA 2610110G12 gene	-4.29	0.34	0.08
A_51_P205326	NM_177743	Fam198a	245050	family with sequence similarity 198, member A	-3.36	0.34	0.39

A_51_P180061	NM_028717	Als2	74018	amyotrophic lateral sclerosis 2 (juvenile) homolog (huma	-3.09	0.34	0.60
A_52_P259174	XM_001005	NA	NA	NA	-3.34	0.34	0.40
A_52_P965217	AI451738	NA	NA	NA	-5.17	0.34	0.00
A_51_P359586	NM_008824	Pfkfb1	18639	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	-3.29	0.33	0.43
A_51_P403536	NM_175641	Ltbp4	108075	latent transforming growth factor beta binding protein 4	-9.37	0.33	0.00
A_51_P421418	NM_008293	Hsd3b1	15492	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steri	-4.64	0.33	0.06
A_52_P156452	NM_007717	Cmah	12763	cytidine monophospho-N-acetylneuraminic acid hydroxy	-5.18	0.33	0.00
A_52_P346367	NM_028074	Ddx42	72047	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	-3.64	0.33	0.24
A_52_P64687	NM_025451	Camk2n1	66259	calcium/calmodulin-dependent protein kinase II inhibitor	-3.52	0.33	0.28
A_52_P136914	NM_024437	Nudt7	67528	nudix (nucleoside diphosphate linked moiety X)-type mol	-5.42	0.33	0.00
A_51_P418725	NM_024413	Plekhf1	72287	pleckstrin homology domain containing, family F (with FY	-4.32	0.33	0.08
A_52_P16571	NM_013761	Srr	27364	serine racemase	-3.16	0.33	0.55
A_51_P215077	NM_025569	Mgst3	66447	microsomal glutathione S-transferase 3	-5.10	0.33	0.00
A_51_P393654	NM_175514	Fam171b	241520	family with sequence similarity 171, member B	-3.58	0.33	0.26
A_51_P476492	XM_893473	NA	NA	NA	-3.91	0.33	0.14
A_51_P479311	NM_010358	Gstm1	14862	glutathione S-transferase, mu 1	-8.59	0.33	0.00
A_52_P677262	BC031891	Serpina4-p	321018	serine (or cysteine) peptidase inhibitor, clade A, member	-3.01	0.33	0.70
A_52_P489373	NM_173788	Npr2	230103	natriuretic peptide receptor 2	-4.30	0.33	0.08
A_51_P282947	NM_011303	Dhrs3	20148	dehydrogenase/reductase (SDR family) member 3	-3.44	0.33	0.35
A_52_P243516	NM_201361	Fam82a1	381110	family with sequence similarity 82, member A1	-3.24	0.33	0.48
A_52_P485007	NM_007379	Abca2	11305	ATP-binding cassette, sub-family A (ABC1), member 2	-4.57	0.33	0.06
A_52_P223194	NM_008830	Abcb4	18670	ATP-binding cassette, sub-family B (MDR/TAP), member	-4.73	0.33	0.06
A_51_P140576	NM_001038	Mapt	17762	microtubule-associated protein tau	-3.46	0.33	0.33
A_51_P420547	NM_172621	Clic5	224796	chloride intracellular channel 5	-4.11	0.33	0.10
A_51_P505689	U92949	Kifc2	16581	kinesin family member C2	-4.14	0.33	0.11
A_51_P229536	NM_020282	Nqo2	18105	NAD(P)H dehydrogenase, quinone 2	-4.11	0.33	0.10
A_52_P232453	NM_153591	Nars2	244141	asparaginyl-tRNA synthetase 2 (mitochondrial)(putative)	-4.94	0.33	0.08
A_51_P128595	AK085036	Mtx3	382793	metaxin 3	-3.23	0.33	0.48
A_52_P424826	NM_175646	Txnl4b	234723	thioredoxin-like 4B	-3.93	0.33	0.14
A_51_P479590	BC037006	Wwc1	211652	WW, C2 and coiled-coil domain containing 1	-4.06	0.33	0.13
A_51_P210510	NM_010097	Sparcl1	13602	SPARC-like 1	-3.26	0.33	0.45
A_52_P503071	NM_138600	Aldh7a1	110695	aldehyde dehydrogenase family 7, member A1	-6.07	0.33	0.00
A_51_P337412	NM_146015	Efemp1	216616	epidermal growth factor-containing fibulin-like extracellu	-6.94	0.33	0.00
A_51_P279308	NM_028793	Acbd5	74159	acyl-Coenzyme A binding domain containing 5	-4.01	0.33	0.12

A_51_P337195	NM_008952	Pipox	19193	pipecolic acid oxidase	-4.94	0.33	0.08
A_52_P396436	NM_010902	Nfe2l2	18024	nuclear factor, erythroid derived 2, like 2	-4.26	0.33	0.08
A_52_P443578	NM_010074	Dpp4	13482	dipeptidylpeptidase 4	-4.58	0.33	0.06
A_51_P139920	NM_011844	Mgll	23945	monoglyceride lipase	-4.55	0.33	0.05
A_51_P194853	NM_146013	Sec14l4	103655	SEC14-like 4 (<i>S. cerevisiae</i>)	-3.70	0.33	0.22
A_52_P229783	NM_029880	Ptgr2	77219	prostaglandin reductase 2	-5.55	0.32	0.00
A_52_P45124	U49949	Mink1	50932	misshapen-like kinase 1 (zebrafish)	-3.43	0.32	0.34
A_51_P200667	NM_053155	Clmn	94040	calmin	-3.40	0.32	0.35
A_51_P384230	NM_013731	Sgk2	27219	serum/glucocorticoid regulated kinase 2	-3.61	0.32	0.25
A_51_P510640	AK015924	4930528F2	75178	RIKEN cDNA 4930528F23 gene	-3.94	0.32	0.14
A_51_P277745	NM_013806	Abcc2	12780	ATP-binding cassette, sub-family C (CFTR/MRP), member	-4.01	0.32	0.12
A_52_P168496	NM_001077	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transp	-6.05	0.32	0.00
A_51_P224263	NM_134052	Adi1	104923	acireductone dioxygenase 1	-3.81	0.32	0.18
A_51_P251352	NM_015829	Slc25a13	50799	solute carrier family 25 (mitochondrial carrier, adenine n	-4.60	0.32	0.06
A_51_P249360	NM_173733	Suox	211389	sulfite oxidase	-4.40	0.32	0.09
A_52_P163626	BC026782	BC026782	545366	cDNA sequence BC026782	-4.01	0.32	0.12
A_51_P426739	NM_182805	Gpt	76282	glutamic pyruvic transaminase, soluble	-3.51	0.32	0.29
A_51_P520879	D89677	Sh3d19	27059	SH3 domain protein D19	-4.15	0.32	0.11
A_52_P358090	AK153792	Sepsecs	211006	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA s	-4.18	0.32	0.11
A_51_P309184	NM_008993	Pxmp2	19301	peroxisomal membrane protein 2	-4.67	0.32	0.06
A_51_P289836	NM_022880	Slc29a1	63959	solute carrier family 29 (nucleoside transporters), membr	-2.88	0.32	0.91
A_52_P129697	NM_172656	Stradb	227154	STE20-related kinase adaptor beta	-3.86	0.32	0.16
A_51_P150763	NM_145852	Ropn1l	252967	ropporin 1-like	-4.28	0.32	0.08
A_52_P609778	NM_011844	Mgll	23945	monoglyceride lipase	-3.86	0.32	0.16
A_51_P277088	NM_008340	Igfals	16005	insulin-like growth factor binding protein, acid labile sub	-3.47	0.32	0.33
A_52_P458279	NM_011169	Prlr	19116	prolactin receptor	-5.27	0.32	0.00
A_51_P402267	NM_134069	Slc17a3	105355	solute carrier family 17 (sodium phosphate), member 3	-3.71	0.32	0.20
A_52_P559957	NM_134147	Macrocl1	107227	MACRO domain containing 1	-5.67	0.32	0.00
A_52_P411667	NA	NA	NA	NA	-4.51	0.32	0.05
A_51_P121915	NM_145424	BC089597	216454	cDNA sequence BC089597	-3.68	0.32	0.22
A_52_P544410	BC010667	Ap3m1	55946	adaptor-related protein complex 3, mu 1 subunit	-3.78	0.32	0.17
A_52_P478339	NM_026527	Chac2	68044	ChaC, cation transport regulator homolog 2 (<i>E. coli</i>)	-3.57	0.32	0.27
A_51_P452779	NM_133198	Pygl	110095	liver glycogen phosphorylase	-4.33	0.32	0.09
A_52_P63905	NM_016672	Ddc	13195	dopa decarboxylase	-3.90	0.32	0.17

A_51_P205385	NM_009474	Uox	22262	urate oxidase	-5.80	0.31	0.00
A_51_P264336	NM_018795	Abcc6	27421	ATP-binding cassette, sub-family C (CFTR/MRP), member	-4.10	0.31	0.10
A_51_P259296	NM_008509	Lpl	16956	lipoprotein lipase	-3.06	0.31	0.65
A_52_P95517	NA	NA	NA	NA	-5.77	0.31	0.00
A_52_P423174	NM_146230	Acaa1b	235674	acetyl-Coenzyme A acyltransferase 1B	-5.49	0.31	0.00
A_52_P1085448	NA	NA	NA	NA	-6.53	0.31	0.00
A_51_P475580	NM_139297	Ugp2	216558	UDP-glucose pyrophosphorylase 2	-4.04	0.31	0.13
A_51_P143682	NM_021346	Zfp318	57908	zinc finger protein 318	-3.34	0.31	0.40
A_51_P518940	NM_173788	Npr2	230103	natriuretic peptide receptor 2	-4.44	0.31	0.09
A_52_P369776	BC024893	Otc	18416	ornithine transcarbamylase	-3.42	0.31	0.34
A_51_P265219	NM_175523	Ppm1k	243382	protein phosphatase 1K (PP2C domain containing)	-4.37	0.31	0.09
A_51_P454949	NM_010359	Gstm3	14864	glutathione S-transferase, mu 3	-7.41	0.31	0.00
A_51_P502599	NM_010004	Cyp2c40	13099	cytochrome P450, family 2, subfamily c, polypeptide 40	-3.86	0.31	0.16
A_51_P272147	NM_033146	Fam158a	85308	family with sequence similarity 158, member A	-3.89	0.31	0.16
A_51_P211171	NA	NA	NA	NA	-4.30	0.31	0.08
A_51_P376347	NM_013546	Hebp1	15199	heme binding protein 1	-4.33	0.31	0.09
A_51_P299805	NM_027872	Slc46a3	71706	solute carrier family 46, member 3	-4.07	0.31	0.13
A_52_P639048	NM_007416	Adra1b	11548	adrenergic receptor, alpha 1b	-3.10	0.31	0.60
A_51_P283876	NM_026512	Bphl	68021	biphenyl hydrolase-like (serine hydrolase, breast epitheli	-4.31	0.31	0.08
A_52_P643375	BC075715	Dmpk	13400	dystrophia myotonica-protein kinase	-4.01	0.31	0.12
A_51_P297900	NM_009306	Syt1	20979	synaptotagmin I	-5.79	0.31	0.00
A_51_P145631	AK158571	Svip	75744	small VCP/p97-interacting protein	-4.03	0.31	0.13
A_51_P127215	AK033655	Sesn3	75747	sestrin 3	-3.28	0.31	0.44
A_51_P424990	NM_173427	Klhdc7a	242721	kelch domain containing 7A	-2.97	0.31	0.74
A_52_P544596	NM_133732	4931406C0	70984	RIKEN cDNA 4931406C07 gene	-3.88	0.31	0.16
A_52_P468343	AK146962	Bdh1	71911	3-hydroxybutyrate dehydrogenase, type 1	-3.16	0.31	0.55
A_52_P16419	NM_010271	Gpd1	14555	glycerol-3-phosphate dehydrogenase 1 (soluble)	-3.25	0.31	0.46
A_51_P327141	NM_009539	Zap70	22637	zeta-chain (TCR) associated protein kinase	-4.22	0.31	0.12
A_51_P499816	NM_026701	Pbld	68371	phenazine biosynthesis-like protein domain containing	-3.20	0.31	0.50
A_52_P276776	NM_028717	Als2	74018	amyotrophic lateral sclerosis 2 (juvenile) homolog (huma	-2.95	0.31	0.76
A_52_P589591	NM_015810	Polg2	50776	polymerase (DNA directed), gamma 2, accessory subunit	-3.70	0.31	0.22
A_51_P206225	NM_144940	Uroc1	243537	urocanase domain containing 1	-4.50	0.31	0.05
A_52_P615138	NM_025558	Cyb5b	66427	cytochrome b5 type B	-3.59	0.31	0.26
A_51_P310850	AK084512	Plekha6	240753	pleckstrin homology domain containing, family A membe	-3.76	0.31	0.19

A_52_P507498	AK011113	Plxnc1	54712	plexin C1	-3.54	0.31	0.29
A_51_P170959	AK005011	Proz	66901	protein Z, vitamin K-dependent plasma glycoprotein	-4.90	0.31	0.08
A_52_P676944	NM_134255	Elovl5	68801	ELOVL family member 5, elongation of long chain fatty ac	-3.32	0.30	0.40
A_51_P496023	NM_007453	Prdx6	11758	peroxiredoxin 6	-4.90	0.30	0.08
A_51_P389421	NM_023480	Fahd1	68636	fumarylacetoacetate hydrolase domain containing 1	-3.69	0.30	0.22
A_51_P286946	NM_029609	Lhpp	76429	phospholysine phosphohistidine inorganic pyrophosphat	-5.72	0.30	0.00
A_52_P616229	NM_026622	3110057O1269423		RIKEN cDNA 3110057O12 gene	-4.07	0.30	0.13
A_51_P342200	XM_134476	2310039D275704		RIKEN cDNA 2310039D24 gene	-5.04	0.30	0.00
A_51_P451052	NM_175013	Pgm5	226041	phosphoglucomutase 5	-3.44	0.30	0.35
A_52_P593037	NM_027976	Acsl5	433256	acyl-CoA synthetase long-chain family member 5	-3.70	0.30	0.22
A_52_P127325	NM_178885	AI182371	98870	expressed sequence AI182371	-3.33	0.30	0.40
A_52_P255782	NM_175316	Slco2b1	101488	solute carrier organic anion transporter family, member :	-3.36	0.30	0.39
A_52_P550147	NM_172463	Sned1	208777	sushi, nidogen and EGF-like domains 1	-3.16	0.30	0.55
A_51_P113205	NM_031164	F13b	14060	coagulation factor XIII, beta subunit	-5.23	0.30	0.00
A_52_P661503	AK170208	Depdc6	97998	DEP domain containing 6	-4.16	0.30	0.11
A_51_P243342	NM_010347	Aes	14797	amino-terminal enhancer of split	-4.08	0.30	0.10
A_51_P431470	NM_026178	Mmd	67468	monocyte to macrophage differentiation-associated	-4.89	0.30	0.08
A_52_P576854	NM_027950	Osgin1	71839	oxidative stress induced growth inhibitor 1	-2.81	0.30	1.02
A_51_P498882	NM_010001	Cyp2c37	13096	cytochrome P450, family 2. subfamily c, polypeptide 37	-3.20	0.30	0.52
A_51_P183703	NA	NA	NA	NA	-3.58	0.30	0.27
A_51_P196590	NM_008212	Hadh	15107	hydroxyacyl-Coenzyme A dehydrogenase	-4.01	0.30	0.12
A_51_P484254	NM_144844	Pcca	110821	propionyl-Coenzyme A carboxylase, alpha polypeptide	-4.79	0.30	0.07
A_52_P49391	AK090296	Cyp2d22	56448	cytochrome P450, family 2, subfamily d, polypeptide 22	-4.58	0.30	0.06
A_51_P383774	NM_010314	Gngt1	14699	guanine nucleotide binding protein (G protein), gamma t	-3.94	0.30	0.14
A_51_P463452	NM_007981	Acsl1	14081	acyl-CoA synthetase long-chain family member 1	-3.10	0.30	0.60
A_52_P617636	NM_010636	Klf12	16597	Kruppel-like factor 12	-4.07	0.30	0.13
A_51_P327585	NM_026764	Gstm4	14865	glutathione S-transferase, mu 4	-4.05	0.30	0.13
A_52_P257812	NM_008509	Lpl	16956	lipoprotein lipase	-2.99	0.30	0.71
A_51_P292582	NM_019423	Elovl2	54326	elongation of very long chain fatty acids (FEN1/Elo2, SUR	-3.56	0.30	0.28
A_52_P571419	NA	NA	NA	NA	-3.27	0.30	0.45
A_51_P302566	NM_172778	Maob	109731	monoamine oxidase B	-4.82	0.30	0.07
A_51_P406583	NM_181072	Myo1e	71602	myosin IE	-4.36	0.30	0.09
A_52_P35340	NM_133894	Ugt2b38	100559	UDP glucuronosyltransferase 2 family, polypeptide B38	-4.02	0.30	0.12
A_51_P257613	NM_178882	D2hgdh	98314	D-2-hydroxyglutarate dehydrogenase	-4.73	0.30	0.06

A_51_P394115	NM_023383	Aadac	67758	arylacetamide deacetylase (esterase)	-5.97	0.30	0.00
A_51_P267653	NM_153157	Olfm3	229759	olfactomedin 3	-4.46	0.30	0.05
A_51_P113475	NM_008796	Pctp	18559	phosphatidylcholine transfer protein	-3.74	0.30	0.21
A_51_P466673	NM_146083	Sfrs7	225027	splicing factor, arginine/serine-rich 7	-7.23	0.29	0.00
A_51_P163106	NM_175177	Bdh1	71911	3-hydroxybutyrate dehydrogenase, type 1	-4.59	0.29	0.06
A_52_P540219	NM_011594	Timp2	21858	tissue inhibitor of metalloproteinase 2	-3.17	0.29	0.55
A_51_P158120	NM_178640	B3galnt2	97884	UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase 2	-4.25	0.29	0.08
A_51_P457244	NM_021365	Xlr4b	27083	X-linked lymphocyte-regulated 4B	-3.06	0.29	0.65
A_51_P120137	NM_201361	Fam82a1	381110	family with sequence similarity 82, member A1	-3.38	0.29	0.36
A_52_P479262	XM_897036	Col6a3	12835	collagen, type VI, alpha 3	-3.96	0.29	0.15
A_52_P141136	AK009249	Fggy	75578	FGGY carbohydrate kinase domain containing	-5.58	0.29	0.00
A_52_P480088	NM_025685	Col27a1	373864	collagen, type XXVII, alpha 1	-6.15	0.29	0.00
A_51_P510418	NM_028270	Aldh1b1	72535	aldehyde dehydrogenase 1 family, member B1	-3.82	0.29	0.18
A_51_P210293	NM_172952	Gphn	268566	gephyrin	-4.08	0.29	0.10
A_51_P512072	NM_008525	Alad	17025	aminolevulinate, delta-, dehydratase	-4.08	0.29	0.10
A_52_P92213	AK089867	2210404J1	381062	RIKEN cDNA 2210404J11 gene	-3.49	0.29	0.31
A_51_P239737	NM_011082	Pigr	18703	polymeric immunoglobulin receptor	-4.37	0.29	0.09
A_52_P120055	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-4.22	0.29	0.10
A_51_P211403	NM_008101	Gcgr	14527	glucagon receptor	-4.38	0.29	0.09
A_51_P400463	XM_980293	NA	NA	NA	-5.36	0.29	0.00
A_51_P336952	NM_030004	Cryl1	68631	crystallin, lambda 1	-6.97	0.29	0.00
A_51_P342926	NM_012050	Omd	27047	osteomodulin	-6.23	0.29	0.00
A_51_P198675	NM_138951	Ttc36	192653	tetratricopeptide repeat domain 36	-4.63	0.29	0.06
A_52_P200121	NM_010004	Cyp2c40	13099	cytochrome P450, family 2, subfamily c, polypeptide 40	-3.78	0.29	0.17
A_51_P186601	M29546	Me1	17436	malic enzyme 1, NADP(+)-dependent, cytosolic	-3.02	0.29	0.70
A_51_P153170	NM_029787	Cyb5r3	109754	cytochrome b5 reductase 3	-4.67	0.29	0.06
A_51_P380178	NM_008321	Id3	15903	inhibitor of DNA binding 3	-3.84	0.29	0.18
A_52_P64356	NM_010097	Sparcl1	13602	SPARC-like 1	-2.86	0.29	0.93
A_51_P200477	NM_008300	Hspa4	15525	heat shock protein 4	-3.92	0.29	0.14
A_51_P114005	NM_026672	Gstm7	68312	glutathione S-transferase, mu 7	-3.72	0.29	0.20
A_52_P627761	NM_023154	Ethe1	66071	ethylmalonic encephalopathy 1	-3.91	0.29	0.14
A_51_P305843	NM_025844	Chordc1	66917	cysteine and histidine-rich domain (CHORD)-containing, zeta	-5.26	0.29	0.00
A_51_P164539	NM_033474	Arvcf	11877	armadillo repeat gene deleted in velo-cardio-facial syndrome	-3.68	0.29	0.22
A_51_P353895	NM_026935	Sult1c2	69083	sulfotransferase family, cytosolic, 1C, member 2	-5.44	0.29	0.00

A_51_P291749	NM_023523	Pecr	111175	peroxisomal trans-2-enoyl-CoA reductase	-4.18	0.28	0.11
A_51_P214209	NM_026282	Spc24	67629	SPC24, NDC80 kinetochore complex component, homolo	-4.07	0.28	0.10
A_51_P232399	NM_027857	Acy3	71670	aspartoacylase (aminoacylase) 3	-4.20	0.28	0.11
A_51_P384936	NM_027442	Ddo	70503	D-aspartate oxidase	-4.51	0.28	0.05
A_52_P193941	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-3.84	0.28	0.18
A_52_P319927	XM_140800	NA	NA	NA	-4.87	0.28	0.07
A_52_P488427	NM_144520	Sec14l2	67815	SEC14-like 2 (<i>S. cerevisiae</i>)	-3.38	0.28	0.36
A_52_P223704	NM_010173	Faah	14073	fatty acid amide hydrolase	-3.76	0.28	0.19
A_51_P514405	NM_019741	Slc2a5	56485	solute carrier family 2 (facilitated glucose transporter), m	-3.00	0.28	0.70
A_52_P298002	NM_008102	Gch1	14528	GTP cyclohydrolase 1	-7.27	0.28	0.00
A_51_P120448	NM_025855	Echdc1	52665	enoyl Coenzyme A hydratase domain containing 1	-4.75	0.28	0.07
A_51_P151628	NM_030717	Lactb	80907	lactamase, beta	-5.28	0.28	0.00
A_51_P467110	NM_010074	Dpp4	13482	dipeptidylpeptidase 4	-5.53	0.28	0.00
A_52_P508920	NM_147218	Abca6	76184	ATP-binding cassette, sub-family A (ABC1), member 6	-5.02	0.28	0.00
A_52_P585104	NM_010219	Fkbp4	14228	FK506 binding protein 4	-3.58	0.28	0.26
A_51_P497768	XM_130488	NA	NA	NA	-3.14	0.28	0.58
A_51_P434928	NM_146287	Olf114	258284	olfactory receptor 114	-4.68	0.28	0.06
A_51_P319289	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, memb	-3.01	0.28	0.70
A_52_P94495	AK050059	Prkd3	75292	protein kinase D3	-3.93	0.28	0.14
A_51_P290626	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-5.23	0.28	0.00
A_52_P300344	AK128969	Pm20d1	212933	peptidase M20 domain containing 1	-4.85	0.28	0.07
A_52_P605266	NM_011211	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-4.53	0.28	0.05
A_51_P175303	NM_019725	Tle2	21886	transducin-like enhancer of split 2, homolog of <i>Drosophil</i>	-3.46	0.28	0.33
A_51_P482844	AK004291	Pycrl	66194	pyrroline-5-carboxylate reductase-like	-3.69	0.28	0.22
A_51_P369998	NM_172951	Sntg2	268534	syntrophin, gamma 2	-4.49	0.28	0.05
A_51_P252000	NM_144796	Susd4	96935	sushi domain containing 4	-4.90	0.28	0.08
A_51_P398525	NM_022014	Fn3k	63828	fructosamine 3 kinase	-3.92	0.28	0.14
A_52_P267505	NM_013851	Abca8b	27404	ATP-binding cassette, sub-family A (ABC1), member 8b	-4.26	0.28	0.08
A_51_P213030	NM_134147	Macro1	107227	MACRO domain containing 1	-6.37	0.28	0.00
A_51_P516006	AK018789	Ntrk2	18212	neurotrophic tyrosine kinase, receptor, type 2	-2.85	0.28	0.95
A_52_P121342	NM_020252	Nrxn1	18189	neurexin I	-10.00	0.28	0.00
A_52_P481182	NM_023377	Stard5	170460	StAR-related lipid transfer (START) domain containing 5	-4.51	0.28	0.05
A_51_P372141	NM_001039	Pnkd	56695	paroxysmal nonkinesinogenic dyskinesia	-2.96	0.28	0.76
A_52_P501007	NM_009467	Ugt2b5	22238	UDP glucuronosyltransferase 2 family, polypeptide B5	-4.19	0.28	0.11

A_51_P103706	NM_007815	Cyp2c29	13095	cytochrome P450, family 2, subfamily c, polypeptide 29	-4.52	0.28	0.05
A_52_P259817	NM_029692	Upp2	76654	uridine phosphorylase 2	-3.13	0.27	0.59
A_52_P179925	NM_026180	Abcg8	67470	ATP-binding cassette, sub-family G (WHITE), member 8	-4.00	0.27	0.12
A_51_P224013	NM_009387	Tk1	21877	thymidine kinase 1	-3.82	0.27	0.18
A_51_P504214	NM_018832	Magix	54634	MAGI family member, X-linked	-3.76	0.27	0.19
A_51_P446570	NM_130452	Bbox1	170442	butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (g	-4.88	0.27	0.07
A_51_P477875	NM_011393	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transp	-4.79	0.27	0.07
A_51_P169087	NM_001033	Gls2	216456	glutaminase 2 (liver, mitochondrial)	-4.06	0.27	0.13
A_51_P496045	AK020592	9530039L2	78422	RIKEN cDNA 9530039L23 gene	-2.88	0.27	0.89
A_52_P626020	XM_976628	EG665393	665393	predicted gene, EG665393	-4.03	0.27	0.13
A_51_P268641	AY566863	A1cf	69865	APOBEC1 complementation factor	-3.64	0.27	0.23
A_51_P213691	NM_011324	Scnn1a	20276	sodium channel, nonvoltage-gated 1 alpha	-5.04	0.27	0.00
A_51_P428555	NM_007409	Adh1	11522	alcohol dehydrogenase 1 (class I)	-3.98	0.27	0.12
A_52_P561416	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-3.53	0.27	0.29
A_52_P571290	NM_026988	Ptms	69202	parathymosin	-5.01	0.27	0.00
A_52_P284889	NM_008860	Prkcz	18762	protein kinase C, zeta	-3.30	0.27	0.43
A_51_P410361	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-3.72	0.27	0.21
A_51_P302856	NM_053215	Ugt2b37	112417	UDP glucuronosyltransferase 2 family, polypeptide B37	-4.23	0.27	0.08
A_51_P332141	NM_009900	Clcn2	12724	chloride channel 2	-4.54	0.27	0.05
A_51_P209597	AK143987	Afm	280662	afamin	-3.52	0.27	0.28
A_52_P578922	AK159899	Hmgcr	15357	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-3.77	0.27	0.19
A_51_P276802	NM_054080	Akr1c20	116852	aldo-keto reductase family 1, member C20	-5.03	0.27	0.00
A_51_P206153	D13903	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-4.37	0.27	0.09
A_52_P590535	NM_007992	Fbln2	14115	fibulin 2	-5.03	0.27	0.00
A_52_P629895	NM_007409	Adh1	11522	alcohol dehydrogenase 1 (class I)	-3.86	0.27	0.16
A_52_P253567	NM_013821	Hsd3b6	15497	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steri	-3.85	0.27	0.16
A_52_P35581	NA	NA	NA	NA	-4.54	0.27	0.05
A_52_P372062	NM_133695	NA	NA	NA	-5.27	0.27	0.00
A_52_P48762	NM_001039	Lin7a	108030	lin-7 homolog A (C. elegans)	-5.07	0.27	0.00
A_52_P501167	XM_620568	NA	NA	NA	-5.14	0.27	0.00
A_51_P364609	NM_019699	Fads2	56473	fatty acid desaturase 2	-5.44	0.27	0.00
A_51_P194149	NM_013697	Ttr	22139	transthyretin	-3.76	0.27	0.19
A_51_P192089	NM_028228	2610028AC	72400	RIKEN cDNA 2610028A01 gene	-3.69	0.27	0.22
A_51_P235604	NM_023160	Cml1	66116	camello-like 1	-5.01	0.27	0.00

A_52_P136709	NM_008796	Pctp	18559	phosphatidylcholine transfer protein	-3.47	0.27	0.32
A_51_P124285	NM_027280	Nkd1	93960	naked cuticle 1 homolog (Drosophila)	-3.88	0.27	0.16
A_52_P361165	NM_007494	Ass1	11898	argininosuccinate synthetase 1	-4.43	0.27	0.09
A_51_P384515	AK082385	Ido2	209176	indoleamine 2,3-dioxygenase 2	-3.45	0.27	0.33
A_51_P484869	NM_010255	Gamt	14431	guanidinoacetate methyltransferase	-5.87	0.26	0.00
A_51_P234692	AK028745	Neat1	66961	nuclear paraspeckle assembly transcript 1 (non-protein c	-3.63	0.26	0.25
A_51_P246345	NM_022879	Myl7	17898	myosin, light polypeptide 7, regulatory	-3.01	0.26	0.70
A_51_P102438	NM_001029	Ugt2b36	231396	UDP glucuronosyltransferase 2 family, polypeptide B36	-4.73	0.26	0.06
A_52_P353417	NM_010299	Gm2a	14667	GM2 ganglioside activator protein	-4.66	0.26	0.06
A_52_P481097	AK086528	Lztf1	93730	leucine zipper transcription factor-like 1	-3.23	0.26	0.48
A_51_P510037	NM_053184	Ugt2a1	94215	UDP glucuronosyltransferase 2 family, polypeptide A1	-5.05	0.26	0.00
A_51_P217906	NM_007799	Ctse	13034	cathepsin E	-3.71	0.26	0.22
A_52_P118560	NM_027552	Kynu	70789	kynureninase (L-kynurenine hydrolase)	-4.40	0.26	0.09
A_51_P502838	AK039198	Ube2h	22214	ubiquitin-conjugating enzyme E2H	-4.37	0.26	0.09
A_51_P214516	NM_008698	Nipsnap1	18082	4-nitrophenylphosphatase domain and non-neuronal SN	-4.71	0.26	0.06
A_52_P257426	NM_133191	Eps8l2	98845	EPS8-like 2	-5.55	0.26	0.00
A_51_P185175	NM_010219	Fkbp4	14228	FK506 binding protein 4	-3.89	0.26	0.16
A_51_P471177	NM_009291	Stra6	20897	stimulated by retinoic acid gene 6	-3.49	0.26	0.31
A_51_P287198	NM_033373	Krt23	94179	keratin 23	-6.06	0.26	0.00
A_52_P537827	AK142559	Wdr72	546144	WD repeat domain 72	-2.86	0.26	0.93
A_51_P338713	M31690	Ass1	11898	argininosuccinate synthetase 1	-4.37	0.26	0.09
A_51_P215438	NM_011172	Prodh	19125	proline dehydrogenase	-4.32	0.26	0.08
A_52_P680827	NM_172961	Abat	268860	4-aminobutyrate aminotransferase	-4.23	0.26	0.08
A_51_P408989	NM_026038	2810055F1	67217	RIKEN cDNA 2810055F11 gene	-4.39	0.26	0.09
A_52_P399204	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-4.23	0.26	0.08
A_51_P391631	NM_145364	Akr1d1	208665	aldo-keto reductase family 1, member D1	-3.32	0.26	0.40
A_51_P481679	NM_013913	Angptl3	30924	angiopoietin-like 3	-3.60	0.26	0.26
A_52_P317653	NM_009799	Car1	12346	carbonic anhydrase 1	-7.07	0.26	0.00
A_51_P114002	AK002213	Gstm7	68312	glutathione S-transferase, mu 7	-4.05	0.26	0.13
A_51_P446825	NM_176952	6430573F1	319582	RIKEN cDNA 6430573F11 gene	-3.56	0.26	0.27
A_51_P220062	NM_008609	Mmp15	17388	matrix metalloproteinase 15	-3.68	0.26	0.22
A_51_P468140	NM_008223	Serpind1	15160	serine (or cysteine) peptidase inhibitor, clade D, member	-3.95	0.26	0.14
A_51_P458781	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	-5.96	0.26	0.00
A_51_P212682	NM_027290	Mcm10	70024	minichromosome maintenance deficient 10 (S. cerevisiae)	-3.83	0.25	0.18

A_51_P157083	NM_008086	Gas1	14451	growth arrest specific 1	-3.27	0.25	0.45
A_51_P503625	NM_001077:	Gsta3	14859	glutathione S-transferase, alpha 3	-4.49	0.25	0.05
A_51_P312348	AK002434	Krt7	110310	keratin 7	-2.88	0.25	0.91
A_52_P103929	NM_009306	Syt1	20979	synaptotagmin I	-5.14	0.25	0.00
A_52_P92037	NM_009474	Uox	22262	urate oxidase	-4.42	0.25	0.09
A_52_P195809	NM_027208	Bdh2	69772	3-hydroxybutyrate dehydrogenase, type 2	-5.24	0.25	0.00
A_52_P120510	NM_178747	Gulo	268756	gulonolactone (L-) oxidase	-4.75	0.25	0.07
A_51_P403578	AK007907	1810059H2	69820	RIKEN cDNA 1810059H22 gene	-3.38	0.25	0.36
A_51_P196862	AK090143	Amdhd1	71761	amidohydrolase domain containing 1	-4.38	0.25	0.09
A_52_P378084	XR_002675	NA	NA	NA	-6.97	0.25	0.00
A_51_P171052	AK083039	C530036F0	319355	RIKEN cDNA C530036F05 gene	-2.85	0.25	0.95
A_52_P145349	NM_172656	Stradb	227154	STE20-related kinase adaptor beta	-4.68	0.25	0.06
A_51_P458778	NM_008278	Hpgd	15446	hydroxyprostaglandin dehydrogenase 15 (NAD)	-5.28	0.25	0.00
A_52_P644613	NM_019878	Sult1b1	56362	sulfotransferase family 1B, member 1	-4.88	0.25	0.07
A_51_P465292	NM_080462	Hnmt	140483	histamine N-methyltransferase	-4.60	0.25	0.06
A_51_P466180	NM_010299	Gm2a	14667	GM2 ganglioside activator protein	-4.85	0.25	0.07
A_51_P468231	NM_011211	Ptprd	19266	protein tyrosine phosphatase, receptor type, D	-4.38	0.25	0.09
A_51_P337918	NM_175438	Aldh4a1	212647	aldehyde dehydrogenase 4 family, member A1	-4.20	0.25	0.11
A_52_P303754	AK050221	9130016M	71620	RIKEN cDNA 9130016M20 gene	-3.94	0.25	0.14
A_51_P218091	NM_010195	Lgr5	14160	leucine rich repeat containing G protein coupled recepto	-3.28	0.25	0.42
A_52_P330950	NM_174847	C2cd2	207781	C2 calcium-dependent domain containing 2	-4.12	0.25	0.10
A_51_P186703	AK090129	Fbln5	23876	fibulin 5	-5.02	0.25	0.00
A_52_P579352	NM_013584	Lifr	16880	leukemia inhibitory factor receptor	-4.55	0.25	0.05
A_52_P674467	NM_001039:	Lin7a	108030	lin-7 homolog A (C. elegans)	-4.87	0.25	0.07
A_51_P222566	NM_025572	2610528J1	66451	RIKEN cDNA 2610528J11 gene	-3.02	0.25	0.70
A_52_P477785	NM_177016	Slc17a4	319848	solute carrier family 17 (sodium phosphate), member 4	-3.70	0.25	0.22
A_51_P510031	NM_053184	Ugt2a1	94215	UDP glucuronosyltransferase 2 family, polypeptide A1	-5.53	0.25	0.00
A_51_P479408	NM_008317	Hyal1	15586	hyaluronoglucosaminidase 1	-2.96	0.25	0.76
A_51_P129895	NM_007744	Comt1	12846	catechol-O-methyltransferase 1	-3.44	0.25	0.35
A_51_P194498	NM_023395	Wfdc1	67866	WAP four-disulfide core domain 1	-6.93	0.25	0.00
A_51_P163578	NM_172881	Ugt2b35	243085	UDP glucuronosyltransferase 2 family, polypeptide B35	-3.60	0.25	0.26
A_52_P602987	BC096586	Prlr	19116	prolactin receptor	-3.35	0.24	0.38
A_51_P445841	NM_145470	Depdc6	97998	DEP domain containing 6	-4.32	0.24	0.08
A_51_P231072	NM_053165	Clec2h	94071	C-type lectin domain family 2, member h	-3.67	0.24	0.23

A_51_P334942	NM_013467	Aldh1a1	11668	aldehyde dehydrogenase family 1, subfamily A1	-4.22	0.24	0.12
A_51_P383399	NM_011921	Aldh1a7	26358	aldehyde dehydrogenase family 1, subfamily A7	-3.90	0.24	0.14
A_51_P348665	NM_016894	Ramp1	51801	receptor (calcitonin) activity modifying protein 1	-4.36	0.24	0.09
A_51_P291713	NM_134094	Ncald	52589	neurocalcin delta	-4.28	0.24	0.08
A_51_P145020	NM_146245	Lrit1	239037	leucine-rich repeat, immunoglobulin-like and transmembr	-3.68	0.24	0.22
A_51_P296737	NM_027211	Anxa13	69787	annexin A13	-3.99	0.24	0.12
A_52_P402127	BC093515	NA	NA	NA	-5.16	0.24	0.00
A_51_P150145	AK077046	NA	NA	NA	-3.51	0.24	0.30
A_51_P322220	NM_029752	Bri3bp	76809	Bri3 binding protein	-3.79	0.24	0.17
A_51_P157677	NM_016798	Pdlim3	53318	PDZ and LIM domain 3	-2.83	0.24	0.98
A_52_P54106	AK034547	Ghr	14600	growth hormone receptor	-2.93	0.24	0.81
A_51_P240287	X51971	Car5a	12352	carbonic anhydrase 5a, mitochondrial	-3.68	0.24	0.22
A_51_P490070	NM_011727	Xlr3c	22446	X-linked lymphocyte-regulated 3C	-3.70	0.24	0.22
A_52_P205695	NM_027334	Mettl7a1	70152	methyltransferase like 7A1	-4.28	0.24	0.08
A_51_P392928	NM_138745	Mthfd1	108156	methylenetetrahydrofolate dehydrogenase (NADP+ depe	-3.98	0.24	0.12
A_51_P453909	NM_007817	Cyp2f2	13107	cytochrome P450, family 2, subfamily f, polypeptide 2	-5.23	0.24	0.00
A_51_P288341	NM_008277	Hpd	15445	4-hydroxyphenylpyruvic acid dioxygenase	-3.71	0.24	0.20
A_52_P817975	BY711602	NA	NA	NA	-4.03	0.24	0.13
A_51_P326529	NM_181277	Col14a1	12818	collagen, type XIV, alpha 1	-6.65	0.24	0.00
A_52_P590154	NM_013786	Hsd17b6	27400	hydroxysteroid (17-beta) dehydrogenase 6	-4.17	0.23	0.11
A_52_P219904	NM_027827	Afmid	71562	arylformamidase	-3.98	0.23	0.12
A_52_P407171	NM_175391	Apol7c	108956	apolipoprotein L 7c	-4.68	0.23	0.06
A_51_P468482	NM_028093	Entpd8	72090	ectonucleoside triphosphate diphosphohydrolase 8	-4.27	0.23	0.08
A_51_P157462	NM_009060	Rgn	19733	regucalcin	-5.71	0.23	0.00
A_51_P268929	AK050061	NA	NA	NA	-3.76	0.23	0.19
A_52_P40293	NM_013547	Hgd	15233	homogentisate 1, 2-dioxygenase	-4.24	0.23	0.08
A_51_P467971	NM_146005	Ank3	11735	ankyrin 3, epithelial	-3.52	0.23	0.28
A_52_P350750	NM_015730	Chrna4	11438	cholinergic receptor, nicotinic, alpha polypeptide 4	-3.98	0.23	0.12
A_51_P141535	NM_016978	Oat	18242	ornithine aminotransferase	-5.48	0.23	0.00
A_52_P245962	NM_021456	Ces1	12623	carboxylesterase 1	-5.19	0.23	0.00
A_51_P142046	NM_025560	1810049H1	166431	RIKEN cDNA 1810049H13 gene	-5.82	0.23	0.00
A_51_P506513	NM_024236	Qdpr	110391	quinoid dihydropteridine reductase	-4.38	0.23	0.09
A_51_P404193	NM_022435	Sp5	64406	trans-acting transcription factor 5	-3.49	0.23	0.31
A_52_P415215	NM_010358	Gstm1	14862	glutathione S-transferase, mu 1	-5.56	0.23	0.00

A_52_P42242	NM_139297	Ugp2	216558	UDP-glucose pyrophosphorylase 2	-6.36	0.23	0.00
A_51_P358112	NM_146094	Fads1	76267	fatty acid desaturase 1	-3.97	0.23	0.15
A_51_P155638	NM_027987	Cd300lg	52685	CD300 antigen like family member G	-4.16	0.23	0.11
A_51_P309917	NM_001001	Itga8	241226	integrin alpha 8	-6.17	0.23	0.00
A_52_P673499	NM_009171	Shmt1	20425	serine hydroxymethyltransferase 1 (soluble)	-4.04	0.23	0.13
A_52_P595871	NM_009993	Cyp1a2	13077	cytochrome P450, family 1, subfamily a, polypeptide 2	-5.44	0.23	0.00
A_51_P386660	NM_010173	Faah	14073	fatty acid amide hydrolase	-4.62	0.23	0.06
A_52_P517683	NM_011526	Tagln	21345	transgelin	-4.59	0.23	0.06
A_51_P365369	NM_011261	Reln	19699	reelin	-7.46	0.23	0.00
A_51_P112223	NM_010357	Gsta4	14860	glutathione S-transferase, alpha 4	-9.60	0.22	0.00
A_51_P138933	NM_177741	Ppp1r3b	244416	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-4.88	0.22	0.07
A_51_P179878	AK134698	Slc1a2	20511	solute carrier family 1 (glial high affinity glutamate transp	-4.65	0.22	0.06
A_51_P432924	NM_153598	Ugt2b34	100727	UDP glucuronosyltransferase 2 family, polypeptide B34	-3.60	0.22	0.26
A_51_P249909	NM_010702	Lect2	16841	leukocyte cell-derived chemotaxin 2	-4.67	0.22	0.06
A_52_P415996	NM_008184	Gstm6	14867	glutathione S-transferase, mu 6	-5.35	0.22	0.00
A_51_P447785	NM_028089	Cyp2c55	72082	cytochrome P450, family 2, subfamily c, polypeptide 55	-4.09	0.22	0.10
A_52_P685021	NM_021704	Cxcl12	20315	chemokine (C-X-C motif) ligand 12	-3.45	0.22	0.33
A_51_P455090	AK028683	Cps1	227231	carbamoyl-phosphate synthetase 1	-4.85	0.22	0.07
A_52_P282279	NM_138745	Mthfd1	108156	methylenetetrahydrofolate dehydrogenase (NADP+ depe	-4.41	0.22	0.09
A_51_P116039	NM_008256	Hmgcs2	15360	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2	-3.76	0.22	0.19
A_51_P497724	NM_029419	Apol7a	75761	apolipoprotein L 7a	-4.63	0.22	0.06
A_51_P389988	NM_016917	Slc40a1	53945	solute carrier family 40 (iron-regulated transporter), men	-3.25	0.22	0.46
A_52_P659312	NM_145134	Spsb4	211949	splA/ryanodine receptor domain and SOCS box containin	-3.01	0.22	0.70
A_51_P369784	NM_133660	Es22	13897	esterase 22	-6.65	0.22	0.00
A_52_P624969	NA	NA	NA	NA	-3.85	0.22	0.16
A_51_P491835	AK013507	2900009J2i	72876	RIKEN cDNA 2900009J20 gene	-4.49	0.22	0.05
A_52_P84415	NM_145993	L3mbtl2	214669	l(3)mbt-like 2 (Drosophila)	-3.08	0.22	0.62
A_51_P480427	NM_146718	Olf430	258713	olfactory receptor 430	-5.65	0.22	0.00
A_51_P464394	NM_031180	Klb	83379	klotho beta	-3.53	0.22	0.29
A_51_P469789	NM_016702	Agxt	11611	alanine-glyoxylate aminotransferase	-5.54	0.22	0.00
A_51_P439248	NM_008625	Mrc1	17533	mannose receptor, C type 1	-4.84	0.22	0.07
A_51_P165111	NM_013797	Slco1a1	28248	solute carrier organic anion transporter family, member :	-4.57	0.22	0.06
A_51_P206551	NM_019878	Sult1b1	56362	sulfotransferase family 1B, member 1	-5.43	0.21	0.00
A_51_P328622	NM_027249	Tlcd2	380712	TLC domain containing 2	-4.64	0.21	0.06

A_51_P338413	NM_019992	Stap1	56792	signal transducing adaptor family member 1	-3.45	0.21	0.33
A_51_P450140	NM_009993	Cyp1a2	13077	cytochrome P450, family 1, subfamily a, polypeptide 2	-5.60	0.21	0.00
A_51_P499854	NM_010284	Ghr	14600	growth hormone receptor	-5.23	0.21	0.00
A_52_P360742	NM_029419	Apol7a	75761	apolipoprotein L 7a	-5.80	0.21	0.00
A_51_P117618	NM_023154	Ethe1	66071	ethylmalonic encephalopathy 1	-4.41	0.21	0.09
A_51_P335000	NM_001077	Fhl1	14199	four and a half LIM domains 1	-3.01	0.21	0.70
A_51_P333111	NM_009676	Aox1	11761	aldehyde oxidase 1	-5.02	0.21	0.00
A_51_P512172	AK010953	Tet1	52463	tet oncogene 1	-5.81	0.21	0.00
A_51_P136337	NM_176963	Galm	319625	galactose mutarotase	-5.31	0.21	0.00
A_51_P363905	NM_025877	Slc25a23	66972	solute carrier family 25 (mitochondrial carrier; phosphate	-3.96	0.21	0.15
A_51_P179664	NM_008185	Gstt1	14871	glutathione S-transferase, theta 1	-6.46	0.21	0.00
A_51_P231042	NM_053094	Cd163	93671	CD163 antigen	-3.81	0.21	0.18
A_51_P180213	NM_001013	Akr1c19	432720	aldo-keto reductase family 1, member C19	-6.10	0.21	0.00
A_51_P395856	NM_144856	Slc22a7	108114	solute carrier family 22 (organic anion transporter), mem	-4.85	0.21	0.07
A_52_P625118	NM_007592	Car8	12319	carbonic anhydrase 8	-4.47	0.21	0.05
A_52_P361391	NM_146640	Olfr1153	258633	olfactory receptor 1153	-4.56	0.21	0.05
A_52_P448006	NM_023175	Nit2	52633	nitrilase family, member 2	-4.53	0.21	0.05
A_51_P463791	BC051947	Srrm3	58212	serine/arginine repetitive matrix 3	-3.39	0.21	0.36
A_52_P240796	NM_009040	Rdh16	19683	retinol dehydrogenase 16	-6.42	0.21	0.00
A_52_P682382	NM_009127	Scd1	20249	stearoyl-Coenzyme A desaturase 1	-3.76	0.21	0.19
A_51_P341918	NM_009366	Tsc22d1	21807	TSC22 domain family, member 1	-3.09	0.20	0.62
A_52_P670188	NM_027301	Sdr9c7	70061	4short chain dehydrogenase/reductase family 9C, memb	-3.37	0.20	0.37
A_51_P470935	NM_027208	Bdh2	69772	3-hydroxybutyrate dehydrogenase, type 2	-5.65	0.20	0.00
A_51_P239177	NM_175391	Apol7c	108956	apolipoprotein L 7c	-4.89	0.20	0.08
A_51_P131315	NM_027997	Serpina9	71907	serine (or cysteine) peptidase inhibitor, clade A (alpha-1 ;	-3.50	0.20	0.31
A_51_P475378	NM_024208	Echdc3	67856	enoyl Coenzyme A hydratase domain containing 3	-4.46	0.20	0.05
A_51_P468005	NM_010232	Fmo5	14263	flavin containing monooxygenase 5	-4.12	0.20	0.10
A_52_P509297	NM_001038	Mapt	17762	microtubule-associated protein tau	-4.75	0.20	0.07
A_51_P263591	NM_023792	Pank1	75735	pantothenate kinase 1	-4.79	0.20	0.07
A_51_P136303	NM_134127	Cyp4f15	106648	cytochrome P450, family 4, subfamily f, polypeptide 15	-4.73	0.20	0.06
A_51_P482051	NM_007820	Cyp3a16	13114	cytochrome P450, family 3, subfamily a, polypeptide 16	-5.45	0.20	0.00
A_52_P625249	NM_010001	Cyp2c37	13096	cytochrome P450, family 2. subfamily c, polypeptide 37	-4.31	0.20	0.08
A_51_P140803	NM_178235	Slco1b2	28253	solute carrier organic anion transporter family, member :	-4.46	0.20	0.05
A_51_P238094	NM_024444	Cyp4f18	72054	cytochrome P450, family 4, subfamily f, polypeptide 18	-4.99	0.20	0.00

A_51_P355301	NM_007818	Cyp3a11	13112	cytochrome P450, family 3, subfamily a, polypeptide 11	-4.88	0.20	0.08
A_52_P508991	NM_010231	Fmo1	14261	flavin containing monooxygenase 1	-3.72	0.20	0.21
A_51_P338262	NM_011619	Tnnt2	21956	troponin T2, cardiac	-2.99	0.20	0.72
A_51_P253481	NM_021456	Ces1	12623	carboxylesterase 1	-5.46	0.19	0.00
A_51_P399305	NM_013869	Tnfrsf19	29820	tumor necrosis factor receptor superfamily, member 19	-4.47	0.19	0.05
A_51_P360918	NM_020578	Ehd3	57440	EH-domain containing 3	-4.09	0.19	0.10
A_51_P464175	NM_007437	Aldh3a2	11671	aldehyde dehydrogenase family 3, subfamily A2	-5.52	0.19	0.00
A_51_P305138	NA	NA	NA	NA	-7.16	0.19	0.00
A_52_P241619	NM_026085	3110049J2	67307	RIKEN cDNA 3110049J23 gene	-4.18	0.19	0.11
A_51_P124550	NM_139292	Reep6	70335	receptor accessory protein 6	-4.09	0.19	0.10
A_52_P69558	XM_001003	NA	NA	NA	-5.51	0.19	0.00
A_52_P608474	BC027582	LOC269472	269472	hypothetical LOC269472	-6.89	0.19	0.00
A_51_P389539	NM_054053	Gpr98	110789	G protein-coupled receptor 98	-4.75	0.19	0.07
A_51_P331003	NM_011976	Sema4g	26456	sema domain, immunoglobulin domain (Ig), transmembr	-4.38	0.19	0.09
A_51_P406165	NM_030069	Fam55b	78252	family with sequence similarity 55, member B	-4.58	0.18	0.06
A_52_P320193	NM_053165	Clec2h	94071	C-type lectin domain family 2, member h	-3.93	0.18	0.14
A_51_P431737	NM_145953	Cth	107869	cystathionase (cystathionine gamma-lyase)	-4.52	0.18	0.05
A_51_P168133	NM_022026	Aqp9	64008	aquaporin 9	-4.91	0.18	0.08
A_52_P941407	AV094648	NA	NA	NA	-6.71	0.18	0.00
A_52_P154580	NM_206537	Cyp2c54	404195	cytochrome P450, family 2, subfamily c, polypeptide 54	-4.30	0.18	0.08
A_51_P341203	NM_017396	Cyp3a41a	53973	cytochrome P450, family 3, subfamily a, polypeptide 41A	-6.13	0.18	0.00
A_52_P629748	NM_175263	Notum	77583	notum pectinacylesterase homolog (Drosophila)	-4.08	0.18	0.10
A_51_P451574	NM_012006	Acot1	26897	acyl-CoA thioesterase 1	-5.69	0.18	0.00
A_52_P432124	NM_001077	Gsta3	14859	glutathione S-transferase, alpha 3	-4.72	0.18	0.06
A_52_P571006	NM_177380	Cyp3a44	337924	cytochrome P450, family 3, subfamily a, polypeptide 44	-4.78	0.18	0.07
A_51_P271865	NM_016751	Clec4f	51811	C-type lectin domain family 4, member f	-6.54	0.18	0.00
A_52_P460767	NM_010232	Fmo5	14263	flavin containing monooxygenase 5	-4.39	0.18	0.09
A_52_P80440	NM_022026	Aqp9	64008	aquaporin 9	-4.90	0.18	0.08
A_51_P120027	AK004863	Adh6-ps1	71749	alcohol dehydrogenase 6 (class V), pseudogene 1	-3.42	0.18	0.34
A_52_P54280	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (S. pombe)	-3.51	0.18	0.29
A_51_P244950	AK004822	Dpys	64705	dihydropyrimidinase	-4.66	0.18	0.06
A_51_P175424	NM_011797	Car14	23831	carbonic anhydrase 14	-5.00	0.18	0.00
A_51_P110471	NM_026993	Ddah1	69219	dimethylarginine dimethylaminohydrolase 1	-5.49	0.18	0.00
A_51_P186547	NM_008777	Pah	18478	phenylalanine hydroxylase	-4.37	0.17	0.09

A_51_P377154	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-4.30	0.17	0.08
A_51_P165451	NM_026085	3110049J2:67307		RIKEN cDNA 3110049J23 gene	-4.38	0.17	0.09
A_52_P679769	NM_009804	Cat	12359	catalase	-4.75	0.17	0.07
A_51_P229655	XM_001002	NA	NA	NA	-5.36	0.17	0.00
A_51_P106294	NM_010292	Gck	103988	glucokinase	-4.85	0.17	0.07
A_51_P309920	NM_001001	Itga8	241226	integrin alpha 8	-6.06	0.17	0.00
A_51_P290981	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-4.90	0.17	0.08
A_51_P103144	AY195869	Slco1a1	28248	solute carrier organic anion transporter family, member :	-6.09	0.17	0.00
A_52_P614777	NM_032400	Sucnr1	84112	succinate receptor 1	-3.03	0.17	0.68
A_52_P69109	NM_011387	Slc10a1	20493	solute carrier family 10 (sodium/bile acid cotransporter f	-4.22	0.17	0.10
A_52_P9703	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-5.00	0.17	0.00
A_51_P221651	NM_023341	Cabc1	67426	chaperone, ABC1 activity of bc1 complex like (S. pombe)	-3.46	0.16	0.33
A_51_P379373	NM_145381	Lactb2	212442	lactamase, beta 2	-6.09	0.16	0.00
A_51_P270083	NM_029631	Abhd14b	76491	abhydrolase domain containing 14b	-4.97	0.16	0.00
A_52_P611787	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-4.84	0.16	0.07
A_52_P458682	NM_008182	Gsta2	14858	glutathione S-transferase, alpha 2 (Yc2)	-8.74	0.16	0.00
A_52_P239752	AK077971	Ttc39c	72747	tetratricopeptide repeat domain 39C	-6.29	0.16	0.00
A_52_P277654	AK165090	Pdk1	228026	pyruvate dehydrogenase kinase, isoenzyme 1	-5.33	0.16	0.00
A_52_P459818	NM_001012	Hsd3b3	15494	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steri	-4.79	0.16	0.07
A_51_P304109	NM_010003	Cyp2c39	13098	cytochrome P450, family 2, subfamily c, polypeptide 39	-5.49	0.16	0.00
A_51_P307168	BC060266	NA	NA	NA	-5.62	0.16	0.00
A_52_P246255	NM_009997	Cyp2a4	13086	cytochrome P450, family 2, subfamily a, polypeptide 4	-5.26	0.16	0.00
A_52_P470560	NM_022722	Dpys	64705	dihydropyrimidinase	-4.91	0.15	0.08
A_51_P453043	NM_030210	Aacs	78894	acetoacetyl-CoA synthetase	-4.91	0.15	0.08
A_51_P305140	NM_008181	Gsta1	14857	glutathione S-transferase, alpha 1 (Ya)	-4.85	0.15	0.07
A_51_P142450	NM_027865	Tmem25	71687	transmembrane protein 25	-3.84	0.15	0.18
A_52_P246252	NM_007812	Cyp2a5	13087	cytochrome P450, family 2, subfamily a, polypeptide 5	-4.63	0.15	0.06
A_51_P521010	NM_016854	Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-3.34	0.15	0.40
A_51_P335569	NM_030687	Slco1a4	28250	solute carrier organic anion transporter family, member :	-5.75	0.15	0.00
A_51_P502092	BC024137	BC024137	234757	cDNA sequence BC024137	-4.66	0.15	0.06
A_51_P189082	NM_030611	Akr1c6	83702	aldo-keto reductase family 1, member C6	-4.28	0.15	0.08
A_51_P245503	NM_152811	Ugt2b1	71773	UDP glucuronosyltransferase 2 family, polypeptide B1	-5.76	0.15	0.00
A_51_P382764	BC021607	Akr1c20	116852	aldo-keto reductase family 1, member C20	-4.25	0.15	0.08
A_51_P511927	NM_026183	Slc47a1	67473	solute carrier family 47, member 1	-5.30	0.15	0.00

A_51_P273596	NM_146126	Sord	20322	sorbitol dehydrogenase	-4.38	0.15	0.09
A_51_P205779	NM_009690	Cd5l	11801	CD5 antigen-like	-4.78	0.15	0.07
A_51_P189733	NM_175250	2810007J2	76971	RIKEN cDNA 2810007J24 gene	-5.74	0.15	0.00
A_51_P489367	NM_019792	Cyp3a25	56388	cytochrome P450, family 3, subfamily a, polypeptide 25	-4.51	0.14	0.05
A_52_P515677	AK050325	NA	NA	NA	-4.09	0.14	0.10
A_52_P531610	AK030395	Agxt2l1	71760	alanine-glyoxylate aminotransferase 2-like 1	-3.48	0.14	0.32
A_52_P339759	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and ster	-4.58	0.14	0.06
A_52_P136092	NM_022026	Aqp9	64008	aquaporin 9	-4.26	0.14	0.08
A_51_P178772	NM_144930	AU018778	234564	expressed sequence AU018778	-5.28	0.14	0.00
A_51_P224801	NM_008455	Klkb1	16621	kallikrein B, plasma 1	-4.98	0.14	0.00
A_52_P259537	NM_010292	Gck	103988	glucokinase	-4.08	0.14	0.10
A_51_P452768	NM_022434	Cyp4f14	64385	cytochrome P450, family 4, subfamily f, polypeptide 14	-5.80	0.14	0.00
A_51_P148612	NM_009944	Cox7a1	12865	cytochrome c oxidase, subunit VIIa 1	-2.87	0.14	0.91
A_52_P1147453	AK137645	Fmo5	14263	flavin containing monooxygenase 5	-5.32	0.14	0.00
A_52_P163021	NM_182959	Slc17a8	216227	solute carrier family 17 (sodium-dependent inorganic ph	-4.54	0.14	0.05
A_51_P128834	NM_177789	Vsig4	278180	V-set and immunoglobulin domain containing 4	-4.84	0.13	0.07
A_52_P380314	NM_019792	Cyp3a25	56388	cytochrome P450, family 3, subfamily a, polypeptide 25	-4.70	0.13	0.06
A_52_P156806	NM_201644	Ugt1a9	394434	UDP glucuronosyltransferase 1 family, polypeptide A9	-7.04	0.13	0.00
A_51_P144160	NM_173422	Colec10	239447	collectin sub-family member 10	-6.88	0.13	0.00
A_51_P489503	BC025832	Notum	77583	notum pectinacylesterase homolog (Drosophila)	-7.89	0.13	0.00
A_52_P21486	NM_183257	Hamp2	66438	hepcidin antimicrobial peptide 2	-5.96	0.13	0.00
A_51_P308844	NM_153529	Nrn1	68404	neuritin 1	-5.32	0.13	0.00
A_51_P309338	NM_021022	Abcb11	27413	ATP-binding cassette, sub-family B (MDR/TAP), member	-5.34	0.12	0.00
A_52_P425499	XM_001006	NA	NA	NA	-5.59	0.12	0.00
A_52_P420504	NM_007392	Acta2	11475	actin, alpha 2, smooth muscle, aorta	-2.84	0.12	0.96
A_52_P30451	NM_016854	Ppp1r3c	53412	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-3.35	0.12	0.38
A_51_P162162	NM_009349	Inmt	21743	indolethylamine N-methyltransferase	-5.58	0.12	0.00
A_51_P492153	NM_029550	Keg1	64697	kidney expressed gene 1	-4.82	0.11	0.07
A_52_P319199	NM_145154	Angptl6	70726	angiopoietin-like 6	-7.23	0.11	0.00
A_52_P67637	AK080673	Sc5d	235293	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) h	-3.73	0.11	0.21
A_51_P308298	BC055439	Myl9	98932	myosin, light polypeptide 9, regulatory	-3.90	0.11	0.14
A_51_P174275	NM_027866	Colec11	71693	collectin sub-family member 11	-6.35	0.10	0.00
A_52_P84027	NM_007824	Cyp7a1	13122	cytochrome P450, family 7, subfamily a, polypeptide 1	-4.05	0.10	0.13
A_51_P226567	NM_153193	Hsd3b2	15493	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and ster	-4.87	0.10	0.07

A_52_P653825	NM_029550	Keg1	64697	kidney expressed gene 1	-5.06	0.10	0.00
A_52_P595463	NM_177002	C730048C1319800		RIKEN cDNA C730048C13 gene	-5.57	0.10	0.00
A_51_P284177	NM_134072	Akr1c14	105387	aldo-keto reductase family 1, member C14	-5.44	0.10	0.00
A_51_P463440	NM_130450	Elovl6	170439	ELOVL family member 6, elongation of long chain fatty ac	-7.15	0.09	0.00
A_52_P16752	NM_023617	Aox3	71724	aldehyde oxidase 3	-4.78	0.09	0.07
A_52_P468564	NM_010002	Cyp2c38	13097	cytochrome P450, family 2, subfamily c, polypeptide 38	-2.97	0.09	0.75
A_52_P595455	NM_001013	Gm5631	434674	predicted gene 5631	-5.85	0.09	0.00
A_51_P324633	NM_007703	Elovl3	12686	elongation of very long chain fatty acids (FEN1/Elo2, SUR	-3.34	0.09	0.40
A_51_P379385	NM_153145	Abca8a	217258	ATP-binding cassette, sub-family A (ABC1), member 8a	-6.58	0.09	0.00
A_51_P259571	NM_145154	Angptl6	70726	angiopoietin-like 6	-7.67	0.09	0.00
A_51_P391616	NM_027907	Agxt2l1	71760	alanine-glyoxylate aminotransferase 2-like 1	-5.39	0.08	0.00
A_51_P488399	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-4.68	0.08	0.06
A_51_P431329	NM_007606	Car3	12350	carbonic anhydrase 3	-6.34	0.08	0.00
A_51_P185693	NM_031197	Slc2a2	20526	solute carrier family 2 (facilitated glucose transporter), m	-5.99	0.08	0.00
A_51_P420415	NM_175283	Srd5a1	78925	steroid 5 alpha-reductase 1	-6.06	0.08	0.00
A_52_P409988	NM_031197	Slc2a2	20526	solute carrier family 2 (facilitated glucose transporter), m	-6.67	0.07	0.00
A_51_P145662	NM_029465	Clec4g	75863	C-type lectin domain family 4, member g	-5.84	0.07	0.00
A_52_P566718	NM_019811	Acss2	60525	acyl-CoA synthetase short-chain family member 2	-4.97	0.07	0.00
A_51_P352005	NM_008294	Hsd3b4	15495	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and ster	-5.26	0.06	0.00
A_51_P496162	NM_008295	Hsd3b5	15496	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and ster	-5.02	0.05	0.00
A_52_P639461	AK075630	Car3	12350	carbonic anhydrase 3	-4.05	0.05	0.13
A_51_P350817	NM_009922	Cnn1	12797	calponin 1	-2.85	0.05	0.95