

TABLE 4. Log₂ fold changes of 1752 significantly expressed genes. Di, i-day after the primary immunization. Note that, D22 and D24 mean at 1 and 3 days after the secondary immunization.

Gene ID	Gene Name	D1	D3	D5	D8	D12	D21	D22	D24
Metabolism									
Carbohydrate Metabolism									
BU202272	F-box protein Fbl7	-0.92	-1.38	-1.47	-1.52	-0.57	-0.79	-0.53	-0.75
AI981161	CBPch04	0.07	-0.96	-4.21	-1.32	-2.80	-0.62	-0.72	-1.35
AJ456897	transaldolase	1.47	1.25	2.18	1.29	1.88	0.42	0.34	0.93
BE140038	L-lactate dehydrogenase	2.12	1.14	1.01	-0.12	-0.77	0.01	0.32	0.11
BU119965	F-box only protein 7	-1.29	-1.75	-2.88	-0.99	0.07	0.62	0.06	0.33
AJ397515	F-box DNA helicase 1	1.69	-0.12	0.49	0.27	-0.84	1.09	0.61	0.41
BE139913	aldehyde reductase	-0.80	-1.41	-2.05	-0.81	-0.08	0.26	0.33	-0.02
BF723987	L-lactate dehydrogenase	2.05	1.15	1.06	-0.21	-0.53	-0.17	0.09	-0.10
BU445302	sugar transport protein	-1.64	-2.52	-4.35	-1.17	0.22	0.15	0.34	-0.11
BU223624	Pyruvate dehydrogenase	0.33	-0.14	0.84	-0.15	-1.05	1.04	0.04	0.20
BU450297	N-chimerin	-1.17	-0.86	-2.17	-0.76	0.99	-0.27	0.03	-0.07
BU404766	integrin beta 1 binding protein 3 (ITGB1BP3)	0.08	1.59	1.56	1.01	-0.62	0.18	0.05	0.52
AI979975	Glycine acetyltransferase	0.32	-0.71	-0.75	-1.06	-1.13	-0.90	-0.69	-0.05
BU215962	glucose transporter 10	-1.09	-0.37	-1.59	-0.51	0.19	-0.77	-0.36	-0.45
AW773175	glucose regulated protein GRP170	-0.17	0.07	1.45	-0.12	-1.03	1.29	0.10	0.33
BE139958	glucose regulated protein GRP170	0.44	0.70	1.38	0.41	-0.05	1.05	0.35	0.64
BU322649	aldo-keto reductase	-0.51	-1.02	-1.35	-0.54	-3.69	0.48	0.55	0.63
BU363653	UDP-glucuronate decarboxylase	0.85	0.77	0.95	0.14	-1.03	1.47	0.98	0.95
BU256837	starch phosphorylase	-1.05	-1.03	-1.86	-0.26	-0.03	0.03	0.39	0.37
BU363190	ribose-phosphate pyrophosphokinase	0.27	1.16	1.51	0.19	-1.08	1.06	0.14	0.56
BU252846	pyruvate kinase	0.51	1.29	1.34	0.80	-1.82	0.97	-0.63	1.37
BU380541	phosphoacetylglucosamine mutase	0.22	0.05	1.80	0.70	-0.54	2.09	0.17	0.63
BU387900	malate dehydrogenase (oxaloacetate-decarboxylating)	-0.81	-0.20	-1.04	-0.38	-1.00	-0.44	-0.40	-0.17
BM293892	glyceraldehyde 3-phosphate dehydrogenase	0.22	0.67	1.14	0.84	-0.78	1.92	0.21	0.99
BU142331	enolase	-2.05	-1.91	-3.56	-2.58	-1.74	-1.70	-1.33	-1.87
BU255542	alpha-amylase inhibitor-1	-1.20	-0.60	-1.02	-0.63	-0.05	-1.02	-0.50	-0.63
BU305103	alpha-amylase	-1.04	-0.78	-1.73	-0.38	0.43	-0.87	-0.24	-0.53
BU284654	aconitate hydratase	0.87	1.59	2.18	1.44	-1.59	2.00	-0.04	1.98
BU120048	6-phosphofructokinase	-0.13	-0.71	-1.28	-1.39	-1.29	-0.59	-0.61	-0.86
BU354429	3-hydroxybutyrate dehydrogenase	0.06	0.72	1.29	0.47	-0.52	1.38	0.18	0.96
BU476499	carbonate dehydrataseII	0.52	-0.50	-0.48	-1.31	0.04	-1.09	-0.95	-0.29
BU321708	butyrylcholinesterase	-0.85	-2.05	-0.82	-0.50	-1.06	1.84	0.54	0.84
BU205131	butyrate-induced transcript 1	1.30	0.78	1.38	0.18	-1.95	1.48	0.41	0.66
BU237661	branched-chain amino acid aminotransferase	0.84	1.20	1.20	0.20	0.61	-0.26	-0.37	-0.24
BU291458	beta-hydroxysteroid dehydrogenase	-1.15	-1.90	-1.76	-0.99	-0.63	0.11	-0.33	-1.10
BF723708	aldose reductase	-0.92	-1.54	-2.32	-0.95	0.23	0.27	0.31	0.05
BU129617	N-chimaerin (N-chimerin)	-1.18	-1.27	-1.76	-0.68	0.54	-0.17	0.09	0.03
Energy Metabolism									
<i>Oxidative phosphorylation</i>									
BU298803	succinate dehydrogenase (ubiquinone) flavoprotein subunit	0.71	1.60	1.40	0.42	-2.24	1.29	0.89	1.07
BU237840	cytochrome c oxidase subunit III	-0.61	-1.00	-1.12	-0.32	0.04	-0.74	-0.17	-0.12
BF845754	cytochrome c	0.53	-4.85	-2.89	-6.15	-0.50	-0.96	-1.01	-0.07
AW773165	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4	-0.85	-0.95	-1.25	-0.91	-1.64	-1.03	-0.63	-0.57
BF723830	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 4	-0.62	-0.75	-1.08	-0.76	-1.46	-0.89	-0.51	-0.31
BU481784	V-type H ⁺ -transporting ATPase subunit AC39	-0.68	-1.06	-1.34	-1.37	0.44	-0.86	-0.83	-0.46
BU434056	V-type H ⁺ -transporting ATPase subunit A	0.31	0.52	1.53	0.09	-0.22	1.59	-0.08	0.29
AJ446979	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	1.18	1.45	1.58	1.05	-0.40	-0.06	-0.14	0.23
BU441306	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 2	-0.30	-1.05	-1.92	-1.90	-1.51	-1.06	-1.03	-1.13
<i>ATPases</i>									
BU287703	Ca ²⁺ -transporting ATPase	0.10	0.14	0.86	-0.39	-1.24	2.01	0.07	0.27
BU232876	Ca ²⁺ -dependent activator for secretion protein 2	-1.56	-1.53	-2.32	-1.12	0.97	-0.62	-0.44	-0.55
BU205364	Ca ²⁺ -transporting ATPase	-1.38	-1.24	-1.53	-1.11	0.37	-0.14	-0.29	-0.54
BU369370	Na ⁺ /K ⁺ -exchanging ATPase beta subunit	-0.41	-0.62	-0.64	-1.72	-1.15	-0.24	-0.34	-0.15

Lipid Metabolism

BU132245	gonadotropin-regulated long chain acyl-CoA synthetase	0.76	0.47	1.13	0.08	-1.37	1.93	0.38	1.14
BU412866	short/branched chain acyl-CoA dehydrogenase	0.23	0.04	1.14	0.50	1.34	0.51	0.28	0.00
BU220450	long-chain fatty-acid-CoA ligase	1.08	0.18	1.45	-0.17	-0.87	1.44	0.33	0.12
BU125255	Fatty acyl-CoA hydrolase, medium chain(Thioesterase B)	-0.95	-1.12	-2.37	-0.23	1.10	-0.29	0.01	0.10
BU466150	carnitine O-palmitoyltransferase 1	0.10	-0.55	1.04	-0.61	-0.89	1.11	-0.60	-0.34
BU456908	aldehyde dehydrogenase (NAD+)	-0.10	0.09	0.79	0.05	-0.78	1.92	0.74	1.05
BU447743	acyl-CoA thioester hydrolase(p48)	1.00	1.11	0.86	-0.13	-0.21	0.01	-0.82	-0.72
BU447516	acyl-CoA thioester hydrolase(p48)	1.13	1.53	0.62	0.08	-0.53	-0.04	-0.05	-0.15
BU290263	acyl-CoA oxidase	-1.53	-3.21	-2.39	-3.17	-2.96	-1.85	-2.07	-1.10
BU242367	Sterol regulatory element binding protein-2 (SREBP-2)	0.00	1.07	1.03	0.52	-1.36	1.72	-0.24	1.58
BU119527	steroid receptor coactivator-1	-0.45	-1.00	-2.20	-0.88	0.67	-0.56	-0.21	0.19
BU410005	Oxysterol binding protein-related protein 6	0.09	-1.21	-1.72	-1.24	-0.59	-0.32	0.19	0.51
BU372950	Cotl1 protein	1.35	1.53	1.73	0.64	-0.87	0.02	-0.08	0.70
BU215252	trans-2-enoyl-CoA reductase	1.42	1.02	0.19	-0.08	-0.97	-0.75	-0.63	-0.48
BM293876	squalene monooxygenase	-0.44	-0.38	-1.37	-1.04	-0.20	-0.28	-0.03	-0.28
BG624994	serine palmitoyltransferase	1.96	1.23	1.33	0.26	-0.26	0.06	0.09	-0.24
AA495705	prostaglandin-H2 D-isomerase	-0.77	-1.81	-2.42	-1.71	0.38	0.18	-0.25	-0.34
BU317918	oleoyl-[acyl-carrier-protein] hydrolase	0.89	-0.18	0.55	-0.28	-0.44	-1.09	-1.26	-0.37
BU132151	NAD(P)H dehydrogenase (quinone)	-1.16	-0.97	-2.42	-0.39	-1.69	0.34	0.58	0.59
BU360542	glyceronephosphate O-acyltransferase	-0.03	-0.05	0.71	-0.19	-1.07	1.41	0.00	-0.03
BU438678	glycerol-3-phosphate dehydrogenase (NAD+)	-1.20	-0.58	-1.59	-0.66	0.19	-1.12	-0.95	-0.56
BU388194	flavin-containing monooxygenase 3	-1.03	-0.65	-1.00	0.67	-0.03	0.08	0.29	0.36
BU219738	fatty acid desaturase	0.99	1.03	1.59	0.77	-0.74	1.24	1.08	0.73
BU243371	farnesyl-diphosphate farnesyltransferase	0.12	0.58	0.56	0.25	-1.06	0.88	-0.49	1.20
BU246297	cytochrome P450, family 2, subfamily C	-1.27	-1.12	-2.06	-0.13	-0.59	-0.13	0.05	0.39
BU125797	cytochrome P450, family 2, subfamily C	-0.56	-1.35	-1.09	-0.72	-1.50	-0.49	-0.28	-0.46
BU321681	Cytochrome P450 26(Retinoic acid degrading enzyme CYP26)	-1.31	-1.70	-0.98	-0.62	0.59	-0.53	-0.32	-0.80
BU378286	choline kinase	-0.11	-0.41	0.52	0.41	1.07	1.32	-0.41	-0.03
BU222729	choline kinase	1.12	0.52	0.28	-0.76	-1.33	1.56	0.03	0.13
BU232535	ceramide kinase	0.08	-0.90	2.11	-0.16	-0.82	1.02	-0.22	-0.27
BU316147	acetyl-CoA acyltransferase	0.29	0.96	0.26	0.16	-1.07	0.45	0.14	1.05
AI981579	3-oxoacyl-[acyl-carrier-protein] synthase	0.27	0.81	1.61	0.80	1.99	1.92	0.34	0.95
BU467947	3-hydroxy-3-methylglutaryl-CoA reductase	0.58	-0.33	1.11	0.00	-1.40	1.69	0.15	0.38

Nucleotide Metabolism

BU382581	Cytosolic purine 5'-nucleotidase(5'-nucleotidase cytosolic II)	0.65	1.00	1.88	0.61	-1.20	2.03	0.67	0.62
BU470575	thioredoxin reductase (NADPH)	3.12	1.55	2.31	0.61	-1.63	2.26	0.48	1.29
BF724026	ribonucleoside-diphosphate reductase M2 chain	-0.10	1.75	1.90	0.56	0.53	0.10	-0.16	-0.04
BE139888	ribonucleoside-diphosphate reductase beta chain	0.51	2.03	1.99	0.67	0.50	0.31	-0.04	0.06
AW773120	ribonucleoside-diphosphate reductase beta chain	0.14	1.91	1.90	0.54	0.56	0.26	0.06	-0.07
BF723689	phosphoribosylaminoimidazole carboxylase	0.55	1.18	1.47	0.57	-0.63	0.81	0.75	0.66
BU450858	nucleotide pyrophosphatase	-0.03	1.21	1.13	-0.15	-0.25	-0.04	-0.19	-0.23
BU491491	beta-N-acetylhexosaminidase	-0.26	-0.21	-1.01	0.21	-1.14	0.10	0.29	0.56
AJ447954	apyrase	1.33	0.94	1.39	0.34	0.39	1.32	0.60	0.83
BU221375	thioredoxin reductase (NADPH)	2.65	1.14	0.81	0.62	-1.02	0.81	0.45	0.87
BU412152	thioredoxin	-1.96	-2.07	-2.73	-1.70	0.69	-0.94	-0.31	-0.38
BU112992	sulfate adenylyltransferase	-0.16	0.39	-1.11	-1.11	0.03	-0.76	-0.51	-0.46
BU113015	phosphoribosylaminoimidazolecarboxamide formyltransferase	-1.64	-0.81	-1.31	-0.42	-1.37	-0.53	-0.53	-0.53
BU241219	nucleotide pyrophosphatase	0.77	1.01	0.92	0.93	1.75	2.28	0.92	0.17
BU298085	IMP dehydrogenase	-0.03	1.33	0.48	0.32	-1.85	0.28	0.41	0.84
BU132572	guanylate cyclase	-1.12	-1.12	-0.34	-0.45	1.09	-0.21	0.09	-0.31
BU251576	apyrase	0.23	1.20	-0.33	-0.22	-1.56	0.36	0.03	0.35
BU248207	adenosine deaminase	-1.77	-1.70	-2.30	-1.25	-0.19	-0.74	-0.56	-0.48
BU273487	5'-nucleotidase	1.99	1.21	0.29	-0.03	-1.14	-0.62	-0.17	-0.18

Amino Acid Metabolism

BU213406	protein arginine methyltransferase 7 (PRMT7)	0.16	-0.20	1.17	0.11	-1.23	0.76	0.21	-0.06
BG625497	nuclear zinc finger protein Np95	1.01	1.96	2.51	1.31	0.71	0.01	0.07	0.07
BU352910	myosin regulatory light chain interacting protein (MyIip),	-0.33	0.08	1.04	-0.33	-2.83	1.52	-0.11	0.01
BU368938	tyrosyl-tRNA synthetase	0.79	1.36	0.80	0.28	-1.97	0.46	-0.27	1.08
BU314133	saccharopine dehydrogenase (NADP+, L-lysine forming)	0.01	-0.55	1.52	-0.17	-0.25	1.97	0.22	0.04
BU108511	phenylalanyl-tRNA synthetase alpha chain	-1.20	-0.81	-1.12	-0.33	-0.90	-0.41	-0.12	-0.37
AJ447359	phenylalanyl-tRNA synthetase alpha chain	-1.26	-1.70	-1.37	-0.89	0.01	-0.63	-0.62	-0.08

BU125423	nitric-oxide synthase	1.64	0.02	0.28	-1.44	-1.62	1.36	0.34	0.97
BU395494	lysyl-tRNA synthetase, class II	1.04	0.40	1.78	0.04	-1.73	1.39	0.45	0.94
BE140055	lysyl-tRNA synthetase, class II	0.31	0.86	1.08	0.26	-1.60	0.77	0.44	0.59
BU405554	leucyl-tRNA synthetase	0.16	1.08	0.91	0.36	-1.00	0.95	0.08	0.21
BU376038	Histamine N-methyltransferase(HMT)	-0.33	-1.03	-2.39	-2.37	-0.76	-1.12	-0.41	-1.17
BU258538	glycyl-tRNA synthetase, class II	1.01	0.37	1.14	1.13	0.72	0.68	0.70	0.25
BU420746	glutathione S-transferase	-1.08	-1.20	-2.50	-0.36	-0.05	0.51	0.43	0.62
BU308626	glutathione S-transferase	-1.00	-1.28	-1.38	-0.17	-0.22	-0.08	0.28	-0.01
BG625608	glutathione S-transferase	-1.23	-1.43	-2.40	-0.40	0.46	0.53	0.59	0.59
BU271909	glutamyl-tRNA synthetase	0.14	0.71	1.34	-0.14	-1.24	1.63	-0.11	-0.13
BE139753	glutamate--cysteine ligase	1.04	1.22	1.25	0.29	-2.82	0.67	0.76	1.08
BU326413	enoyl-CoA hydratase	-1.10	-0.78	-1.24	0.32	-0.48	-0.39	0.17	0.51
BU104218	cystathionine gamma-lyase	-1.50	-1.11	-2.07	-0.61	1.07	-0.22	-0.21	-0.29
BU130682	creatine kinase	-0.69	-1.08	-1.70	-0.08	-1.12	0.05	0.23	-0.21
BU386525	catalase	-1.01	-1.62	-0.52	-1.25	-2.16	0.91	0.08	0.25
AJ449055	catalase	-0.79	0.52	-0.50	1.18	-1.06	0.04	0.06	0.85
BU366487	asparagine synthase (glutamine-hydrolysing)	1.35	1.58	1.97	1.16	-1.19	1.28	0.46	0.83
AI981789	arginine kinase	-0.66	-1.12	-1.85	-0.26	-0.01	-0.16	0.11	-0.44
BU421866	alanyl-tRNA synthetase	0.29	0.47	1.14	-0.15	-0.24	1.14	0.03	0.73
Glycan Biosynthesis and Metabolism									
AI979983	Platelet proteoglycan core protein	1.63	1.14	1.51	1.51	0.71	0.28	0.43	0.69
BU270022	Polypeptide N-acetylgalactosaminyltransferase(UDP-GalNAc)	0.14	0.17	0.04	0.32	-2.02	-0.90	-1.27	-0.51
BU417913	polypeptide N-acetylgalactosaminyltransferase	0.31	1.03	1.02	0.14	-0.87	1.16	-0.30	-0.07
BU387437	phosphatidylinositol glycan, class Q	-1.39	-0.67	-1.12	-0.34	-0.40	-0.16	-0.35	-0.06
BU265765	beta-mannosidase	-0.25	-0.11	0.35	-0.44	-1.55	1.16	-0.34	0.16
BF723774	beta-galactosidase	0.13	0.87	1.27	-0.11	-0.47	1.55	-0.23	0.19
BU343129	beta-1,4-N-acetylglucosaminyltransferase	-0.79	0.07	-1.03	-0.20	1.46	-0.65	-0.51	-0.33
BU451692	beta-1,4-galactosyltransferase 4	2.41	1.82	1.25	0.94	0.38	0.42	0.89	0.18
BU296594	beta-1,4-galactosyltransferase 1	1.05	0.57	0.43	-0.29	-1.78	0.28	-0.10	0.47
BU427254	beta-1,3-N-acetylglucosaminyltransferase 4	1.25	0.78	-0.03	0.08	-1.43	-0.19	0.11	0.18
BU213166	alpha-mannosidase	-0.24	0.68	1.16	0.33	-0.99	2.17	-0.45	0.54
BU301370	alpha-1,6-mannosyltransferase	0.50	0.77	1.80	0.16	-2.10	1.01	0.49	0.62
BU450693	alpha-1,3-mannosylglycoprotein	-2.12	-0.85	-2.11	-0.83	-0.48	-1.01	-0.46	-0.74
	beta-1,4-N-acetylglucosaminyltransferase								
BU386821	alpha-1,3-glucosyltransferase	0.45	0.43	1.52	0.37	-1.60	0.98	0.79	0.79
BU463252	alpha-1,3(6)-mannosylglycoprotein	0.26	1.74	0.92	1.07	-0.08	0.51	0.52	0.62
	beta-1,6-N-acetyl-glucosaminyltransferase								
BU246825	16 kDa beta-galactoside-binding lectin	-0.77	-1.38	-0.97	-1.08	-0.37	-0.27	-0.67	-0.74
Metabolism of Cofactors and Vitamins									
BU233601	type II pantothenate kinase	-1.03	-0.81	-1.31	0.14	-0.33	0.02	0.57	0.62
BU133770	methylenetetrahydrofolate reductase (NADPH)	0.24	1.23	1.67	1.04	0.74	0.97	0.68	0.82
BU212995	biliverdin reductase	-0.28	0.13	1.64	1.21	1.62	0.62	0.11	0.08
BU239943	beta-carotene 15,15'-monooxygenase	2.01	1.36	0.84	-0.27	1.39	0.16	-0.20	0.51
BU467836	heme oxygenase	0.75	1.27	0.93	0.61	-1.68	-0.30	-0.27	0.18
BU439953	biliverdin reductase	-0.34	0.13	1.34	1.03	1.76	0.30	-0.04	0.25
Genetic Information Processing									
Transcription									
BU230546	zinc finger protein KF-1	0.29	-0.77	-1.30	-1.12	-0.24	-0.64	-0.67	-0.70
BU404443	Zinc finger protein 313	1.32	1.09	1.58	0.74	-0.39	1.13	0.36	0.32
BU329860	Zinc finger protein 216	1.57	0.26	1.48	-0.13	-2.14	0.97	0.60	0.78
BU459541	Zinc finger DHHC domain containing protein 9	-0.48	-0.10	-0.61	0.42	-1.44	0.27	0.33	1.05
BU217107	U1 snRNP A protein	-1.04	-0.98	-1.74	-1.28	-0.05	-0.98	-0.73	-0.65
BU293484	Transcriptional regulator ATRX (X-linked helicase II)	0.54	1.21	1.76	0.85	-0.74	1.14	0.75	0.95
AJ456664	Transcription factor SOX-4	0.94	1.15	1.64	0.87	-0.74	-0.31	-0.42	0.24
BU227789	Transcription factor EB	-0.51	0.16	-1.29	-0.52	0.00	-1.19	-0.48	-0.26
BU463936	Transcription factor alphaA-CRYBP1	0.22	0.07	1.24	-0.26	0.07	1.62	0.10	0.49
BU290490	TATA element modulatory factor (TMF)	0.48	1.18	1.70	1.02	-0.83	1.45	1.00	0.95
AI981644	Spi-1/PU.1 transcription factor	1.41	1.08	1.09	0.59	1.20	0.25	0.12	0.32
BU372216	simMyc-associated zinc finger protein	-1.38	-1.11	-1.59	0.01	0.30	-0.80	-0.20	-0.65
BU327545	orf405	0.79	0.57	1.03	0.45	-1.04	1.19	0.87	1.06
BU135152	transcription factor BIGMAX beta	-0.06	0.56	-1.29	-1.11	-1.20	-0.51	-0.22	-0.47
BU439416	Protein C20orf11	0.26	0.62	1.62	-0.21	-0.63	2.01	-0.20	0.05

BU370299	orf14 protein	-0.88	-1.17	-2.51	-0.90	-0.43	1.02	0.58	1.06
BU470613	Kruppel-like zinc finger protein HKR-T1	1.00	-0.14	1.25	0.07	-0.51	0.84	0.01	0.16
BG625456	helicase like protein 2	1.19	0.44	1.21	-0.23	-2.40	1.38	-0.37	-0.64
BU215406	helicase	0.04	1.54	1.35	0.64	0.84	0.01	0.09	0.24
BU137926	early hematopoietic zinc finger	0.94	0.33	0.41	-1.05	-2.32	0.77	0.06	-0.24
BU137569	EAF1	0.06	-0.45	-1.22	-1.09	-1.00	-0.50	-0.27	-0.51
BE140048	CRM1	0.96	0.95	2.10	0.44	0.12	1.65	0.33	0.24
BU339707	Cre binding protein-like 2	-0.47	-1.10	-2.04	-1.09	0.42	0.00	0.21	0.05
BU360032	CPEB-associated factor Maskin	0.77	1.16	3.22	0.87	-0.98	2.31	-0.02	0.45
AJ456739	C3HC4-like zinc finger protein	1.94	1.09	0.82	0.23	0.06	0.05	0.13	-0.02
AJ455582	C3HC4-like zinc finger protein	-0.40	0.50	1.14	1.36	1.40	0.45	0.37	1.61
AJ447593	C20orf45 homolog	0.36	0.88	1.07	1.03	-0.43	-0.20	-0.17	0.46
BU259047	BTB domain protein	-0.48	-0.71	-1.70	-1.00	-0.04	-0.62	-0.49	-0.36
BU382701	bromodomain adjacent to zinc finger domain 1A	1.31	1.68	1.64	0.97	0.05	0.70	0.25	0.75
BU318245	Zinc finger protein CKR1	1.83	1.06	0.72	1.04	0.82	0.34	0.85	0.44
BU477529	zinc finger protein	0.43	0.41	1.19	0.11	-0.46	1.52	0.07	0.39
BG624977	Zinc finger homeobox protein 1b (Smad interacting protein 1)	1.01	1.34	0.39	-0.09	0.10	-0.26	-0.57	-0.33
BU320498	Zinc finger DHHC domain containing protein 3 (1.18	1.28	0.67	0.72	0.31	-0.13	0.27	0.03
AI980734	XNop56 protein	0.49	1.36	0.95	0.69	-1.40	0.30	0.16	1.03
BU313550	transcription regulator protein	1.81	0.42	1.18	-0.36	0.32	1.23	-0.07	-0.23
BE139981	transcription factor RAM2	0.43	1.34	1.43	0.91	-0.32	0.32	0.40	0.53
AI981674	transcription factor IIB	-1.19	-1.17	-1.16	0.08	-0.21	-0.34	0.10	-0.12
BU239570	Splicing factor 3B subunit 3	0.02	0.85	1.59	0.05	-0.58	2.03	0.24	0.93
BU226344	Nopp140	0.47	1.17	1.02	0.24	0.45	0.35	-0.01	0.34
BU478266	NOP58-like protein	0.97	1.32	1.38	0.21	-1.05	1.11	-0.08	0.75
BU445161	Histone RNA hairpin-binding protein (Histone stem-loop binding protein)	1.28	1.15	2.50	-0.06	-0.08	-0.41	-0.83	-0.76
BU362066	histone H3 kinase homolog	0.33	0.37	1.82	0.02	-1.34	1.48	0.03	-0.03
BU415330	histone H2A.F	1.30	1.67	1.35	0.72	-0.52	1.05	0.57	0.17
AI979826	high mobility group 1 protein	-0.06	1.29	1.61	0.69	-2.02	0.45	0.11	0.20
BU469613	DNA-directed RNA polymerase	0.30	0.80	1.45	0.21	-0.50	1.14	-0.01	0.38
BU233555	DNA-binding protein Ikaros	0.62	1.33	1.97	0.56	0.22	0.00	-0.43	0.20
BE139944	CRM1	0.68	0.86	2.26	0.34	-0.35	2.01	0.21	0.28
BU207606	CRM1	0.18	0.38	2.01	0.18	-0.44	1.61	0.19	0.19
BQ293301	CRM1	1.01	0.85	2.55	0.64	0.58	1.74	0.53	0.23
BU442833	C5orf5 (GAP-like protein N61)	1.05	1.14	1.48	0.59	0.29	0.94	-0.09	0.06
BU107202	C30B4.01c in chromosome II	1.20	1.09	0.35	-0.19	-0.29	1.70	0.45	0.88
BU255725	C20orf141	-0.54	-1.17	-1.60	-0.15	-1.17	-0.12	0.00	0.20
AW773140	C1orf25	-0.57	-0.38	1.02	1.39	-1.79	0.25	0.71	0.29
BU236503	C1orf13	1.53	1.80	1.05	0.93	0.16	-0.21	0.05	0.20
BU130854	C18orf1	1.14	1.17	1.02	0.13	-0.25	0.46	0.08	0.09
Translation									
BU214187	Polycomb complex protein RING1 (RNF1)	0.84	1.06	1.27	0.18	-0.27	1.01	0.25	0.19
AW773299	Eukaryotic release factor 1	0.17	0.68	1.02	-0.34	-1.61	0.45	-0.27	0.17
AW773115	Eukaryotic release factor 1	0.23	0.50	1.53	-0.18	-1.25	0.81	-0.10	0.22
BU394302	eIF-4H	1.09	1.22	2.24	0.50	-1.30	2.38	0.13	0.83
BU105567	eIF-4A-I	0.54	1.35	1.19	0.76	-1.06	0.72	0.28	0.66
BU401453	eEF-1 delta chain	-1.05	-0.90	-1.18	-0.60	0.10	-0.57	-0.38	-0.39
BE139833	poly(A) polymerase	0.27	0.93	1.09	0.64	-0.67	1.09	0.16	0.32
BU138979	methionyl aminopeptidase	-0.52	-0.44	-1.09	-0.56	1.22	-0.44	-0.17	-0.41
BU358818	large subunit ribosomal protein L21e	-1.04	-1.17	-1.03	-0.39	-0.40	-0.83	-0.52	-0.39
BU286800	eIF-2B gamma subunit (eIF-2B GDP-GTP exchange factor)	0.88	0.91	1.07	0.52	-1.80	0.75	0.76	0.83
Folding, Sorting and Degradation									
<i>Protein export</i>									
BU376900	protein-L-isoaspartate(D-aspartate) O-methyltransferase	-0.96	-0.56	-1.42	-0.49	1.26	-0.07	0.19	0.23
BU376639	preprotein translocase SecY subunit	0.45	1.25	1.01	0.24	-0.66	0.91	0.59	0.45
BU111087	preprotein translocase SecY subunit	0.79	0.59	1.74	-0.06	-0.69	1.89	0.24	0.46
BU485362	phosphatidylinositol binding clathrin assembly protein	-0.02	-0.14	1.33	-0.36	-1.29	1.25	-0.10	-0.74
BU228037	nascent polypeptide-associated complex subunit beta	1.00	0.77	1.16	0.38	-0.30	0.00	-0.17	0.05
BU364844	clathrin, heavy polypeptide	0.78	0.21	1.18	0.43	0.39	1.41	0.33	0.16
BU253677	Clathrin coat assembly protein AP50	1.20	1.53	1.16	0.51	-2.56	1.03	-0.01	1.11
<i>Protein degradation</i>									

AI982065	selenoprotein W	-1.13	-0.83	-1.07	-0.21	-0.98	-0.92	-0.26	-0.12
BU368000	unc51-like kinase	-1.11	-1.16	-1.36	0.08	0.14	-0.40	0.27	0.15
BU468014	selenoprotein SelM	-0.66	-0.29	-1.42	-0.11	-1.60	-0.09	-0.07	0.23
BU371421	selenoprotein P	1.05	2.08	2.19	0.70	-0.94	1.19	0.11	0.59
BG625053	selenium binding protein 2	-1.47	-1.58	-2.16	-0.41	-0.01	-0.89	-0.45	-0.59
<i>Vesicular transport</i>									
BU421700	TOP AP	0.66	0.23	-1.10	-0.94	-1.06	0.09	0.43	0.07
BU448962	Sorting nexin 12	3.06	3.34	2.10	1.70	0.50	-0.02	-0.12	0.40
BU491065	MOP-3	0.33	0.89	1.35	0.23	-1.37	1.06	0.15	0.53
BU136451	Coatamer beta' subunit (Beta'-coat protein)	0.99	1.11	1.76	0.29	-1.56	1.99	0.72	0.85
BU132038	syntaxin 5	1.07	1.27	1.17	0.52	-0.30	1.00	0.49	0.07
BU408439	syntaxin 2/3/4	0.37	0.02	1.22	-0.23	-0.45	1.40	-0.18	0.14
BU357855	syntaxin 2/3/4	0.01	1.46	-0.09	1.14	-0.32	-0.17	0.21	0.20
BU374957	syntaxin 17	-0.34	-0.40	-1.21	-0.61	1.07	-1.12	-0.69	-0.58
BU245926	syntaxin 16	0.38	0.28	1.50	-0.13	-1.31	1.23	0.07	-0.22
BU424850	synaptosomal-associated protein, 29kDa	0.07	1.11	0.61	0.69	-1.46	-0.32	0.03	0.18
BG625524	MOP-3	1.63	0.79	2.73	1.63	0.99	0.46	0.20	0.10
BU420522	Vacuolar assembly protein VPS41 (S53)	0.55	0.45	1.44	0.62	-0.57	1.49	0.69	0.65
<i>Ubiquitin mediated proteolysis</i>									
BU342694	ubiquitin-specific protease	2.24	1.20	1.20	-0.53	-1.26	0.69	0.06	0.25
BU297941	ubiquitin-related modifier-1	-1.12	-1.16	-1.64	-0.08	0.29	-0.84	-0.47	-0.42
BU492518	Ubiquitin thiolesterase 7	0.80	0.67	1.27	0.23	0.26	1.20	0.75	0.86
BF723991	Ubiquitin thiolesterase 10	0.52	0.20	1.17	-0.02	-1.88	0.66	0.42	0.75
BE140024	Ubiquitin thiolesterase 10	0.44	0.51	1.11	-0.25	-2.28	0.57	0.13	0.50
BE139954	Ubiquitin thiolesterase 10	0.75	0.81	1.17	-0.26	-1.98	0.57	0.24	0.64
AW773096	Ubiquitin thiolesterase 10	0.54	0.16	1.21	-0.19	-2.29	0.67	0.25	0.75
BE139953	ubiquitin specific protease	0.42	-0.03	0.95	-0.39	-1.10	1.36	-0.17	0.22
BU484540	ubiquilin 1	1.74	0.62	1.84	0.03	-1.24	1.12	0.14	0.45
BU363841	Cullin homolog 4A (CUL-4A)	-0.85	-1.08	-0.40	-0.29	1.36	-0.21	-0.57	-0.54
BU120954	cubilin	-0.12	-0.39	-1.00	-0.26	-1.14	-0.21	0.06	0.22
BU110639	Ubiquitin-like protein SMT3A	-1.51	-0.99	-1.83	-0.79	-0.32	-0.01	-0.22	-0.19
BU380476	ubiquitin-conjugating enzyme UBE2D/E [EC:6.3.2.19]	0.99	0.07	0.13	0.30	-1.42	0.54	0.84	1.12
BU207550	ubiquitin-associated protein	-1.46	-1.36	-1.38	-0.15	0.45	-0.43	-0.19	-0.26
BE139826	ubiquitin specific protease	0.87	1.18	0.48	-0.24	-0.32	1.14	0.00	0.58
BU255911	ubiquitin C-terminal hydrolase X4	-0.81	-0.29	-1.07	-0.61	-0.94	-1.07	-0.60	-0.70
BU445505	hect domain ubiquitin protein ligase E3 component	0.64	0.55	1.32	-0.12	0.27	1.81	0.46	0.31
BF723722	hect domain ubiquitin protein ligase E3 component	0.68	1.00	1.44	0.46	-0.41	0.92	0.41	0.57
BU352931	cullin 3	0.31	0.15	1.76	-0.47	-1.37	2.34	-0.53	0.04
<i>Proteasome</i>									
BU488154	proproteinase E	0.32	-1.41	-0.49	-2.25	-1.04	-0.20	-0.74	0.02
BE139830	IMP4	0.32	1.15	1.26	1.49	-0.56	0.97	0.32	1.10
BU489708	26S proteasome regulatory subunit T5	0.81	1.14	0.93	0.69	-0.55	0.78	0.91	1.18
BU216253	26S proteasome regulatory subunit N9	1.00	1.24	0.77	0.20	-2.51	0.09	0.14	0.78
BF723895	26S proteasome regulatory subunit N2	0.89	1.86	2.28	0.45	-0.99	1.89	0.10	0.99
BU392145	26S proteasome regulatory subunit N11	0.23	-0.05	1.49	0.53	-0.99	1.13	0.35	0.37
BU291311	26S proteasome non-ATPase regulatory subunit 5	0.39	-0.10	1.16	0.15	-1.54	1.04	0.78	0.95
Replication and Repair									
BU288392	site-specific DNA-methyltransferase (adenine-specific)	-1.21	-1.25	-1.71	-0.49	0.39	0.01	0.37	-0.24
BG625465	DNA topoisomerase II	0.66	1.66	1.89	1.06	0.61	0.55	0.58	0.25
BG625124	DNA topoisomerase II	0.53	0.08	1.76	0.03	-0.49	1.87	0.01	-0.02
BU230607	DNA repair protein Rad51	0.38	1.92	1.76	1.09	0.14	0.09	0.23	0.24
BU388898	DNA polymerase zeta subunit	0.49	0.30	1.06	0.02	-0.06	1.03	0.29	-0.08
BU136587	ATP-dependent DNA helicase RecQ	-0.70	-1.16	-1.19	-1.26	-3.56	-0.85	-0.31	-0.31
Environmental Information Processing									
Membrane Transport									
BU400125	Transmembrane protein 9	3.42	1.51	1.84	0.06	0.61	-0.12	0.09	-0.49
BU440514	Transmembrane 9 superfamily protein member 2 (p76)	0.47	0.51	0.90	-0.21	-1.18	1.35	0.26	0.53
BU108175	Transforming acidic coiled-coil-containing protein 2 (Anti Zuai-1)	-1.03	-1.16	-1.63	-0.70	-0.45	-0.30	0.05	-0.05
BU140497	seven transmembrane helix receptor	1.58	1.55	0.47	-0.25	-0.42	-0.27	-0.19	-0.06
BF723884	RanBP7/importin 7	0.92	1.16	1.91	0.80	-1.54	1.65	0.47	0.71
BF723865	RanBP7/importin 7	0.32	0.67	1.97	0.44	-1.72	1.72	0.17	0.48
BE139978	RanBP7/importin 7	0.23	1.24	0.52	0.65	-1.67	0.09	0.00	0.18

BF723893	integral membrane transporter protein	0.17	0.76	1.15	0.60	-1.25	1.85	-0.23	0.83
BF723874	integral membrane transporter protein	0.09	0.65	1.05	0.66	-1.25	2.02	0.04	0.89
BF723902	Integral membrane glycoprotein gp210	0.34	1.17	1.85	1.03	-0.14	1.54	0.34	0.80
BE139900	Integral membrane glycoprotein gp210	0.52	0.97	1.98	0.61	0.49	1.01	0.15	0.53
BU140217	Importin alpha-4 subunit (Karyopherin alpha-4)	0.67	0.71	1.01	0.39	0.50	1.02	0.03	0.40
AI981837	DB83 protein	1.33	0.95	1.76	0.34	0.02	1.08	0.41	0.11
BF724031	beta'-coat protein (Beta'-COP)	0.18	0.09	0.60	-0.17	-1.04	1.26	0.28	0.42
BG625572	Importin alpha-2 subunit (Karyopherin alpha-2 subunit)	-0.12	2.33	2.40	1.63	0.73	0.11	-0.11	-0.01
BU117163	ATP-binding cassette, subfamily B, bacterial	1.41	2.56	1.18	-0.43	0.74	-0.71	-0.68	-0.06
BE139817	ATP-binding cassette, subfamily B (MDR/TAP), member 10	0.37	1.26	2.10	1.18	-1.00	2.62	0.48	1.42
BU420728	ATP synthase F0 chain 6	-0.95	-1.27	-1.10	-0.21	0.56	-0.07	0.12	0.06
Pores ion channels									
BU116565	solute carrier family 8 (sodium/calcium exchanger)	2.56	1.45	1.43	0.25	-0.17	0.32	0.27	0.64
BU425927	solute carrier family 2	2.50	1.74	1.38	0.17	0.36	-0.76	-0.83	-0.16
BU397087	Sodium/glucose cotransporter 1	-1.65	-0.61	-1.72	-1.39	-0.03	-0.80	-0.65	-0.76
BU293982	mitochondrial carrier protein, MC family	-0.23	0.18	-0.47	0.67	-2.50	0.22	-0.06	1.43
BG625692	heat shock 70kDa protein 5	0.98	0.35	1.22	-0.40	-1.04	0.94	0.30	0.80
BU432595	cation efflux system protein, CDF family	-0.49	-0.42	-1.23	-1.58	-0.19	-0.88	-0.89	-1.01
BU239564	Solute carrier family 12 member 2	-2.19	-1.32	-1.52	-0.85	-0.44	-0.67	-0.69	-0.59
BU117167	Potassium channel Kv6.1	-1.07	-0.67	-1.84	-0.58	0.08	-0.83	-0.66	-0.11
BU229098	Potassium channel Kv1.3	0.82	1.10	1.15	0.25	-0.21	-0.22	-0.05	0.14
BU375032	Na(+)/L-ascorbic acid transporter 1	-1.37	-0.39	-0.98	0.44	-0.41	-1.14	-0.45	-0.17
BU457177	Minimum potassium ion channel-related peptide 2(MiRP2)	-1.22	-1.01	-1.97	0.12	-0.48	-0.31	0.06	0.01
BU435317	peroxisomal Ca-dependent solute carrier	0.77	0.99	1.90	0.56	-0.39	1.61	0.26	0.51
BU257603	potassium channel subfamily K member 16 (TWIK-related alkaline pH activated K+ channel 1)	1.11	-0.03	-0.53	-1.37	0.18	-1.03	-0.64	-0.62
BU373407	chloride channel ClC-K1	-1.21	-1.05	-1.83	-0.77	0.08	-0.33	-0.04	0.22
Signal Transduction									
MAPK signaling pathway									
BU326679	Ras-related protein Rab-35 (Rab-1C)	0.83	0.68	1.34	0.01	-1.23	1.20	-0.08	0.31
BU432543	Ras-like protein TC21	-0.20	-0.39	-1.64	-1.65	1.21	-0.70	-0.47	-0.59
BG625177	Ras association domain family 2	2.21	2.01	0.82	1.07	0.02	-0.09	-0.24	-0.02
BU110141	Protein tyrosine phosphatase-like protein	-0.52	-0.61	-1.18	-0.99	-1.04	-0.89	-0.69	-0.58
BU380848	protein tyrosine phosphatase	2.22	1.67	1.39	0.56	0.86	0.41	0.49	0.57
BU395253	Protein tyrosine phosphatase	-0.56	-0.49	1.41	-0.74	-0.95	1.01	-0.32	-0.07
AI981975	Protein Tara (Trio-associated repeat on actin)	1.53	1.14	0.96	0.72	0.32	0.43	0.43	0.27
AJ455571	protein phosphatase 2A	-0.80	-1.09	-2.00	-0.78	0.25	-0.57	-0.01	-0.72
BU207907	Protein kinase A anchoring protein 9	1.33	1.07	0.90	0.72	-0.67	0.02	0.54	0.65
BU224879	MAPKK like protein kinase	0.48	1.42	1.02	0.98	-0.14	-0.05	0.15	0.24
BU374461	guanine nucleotide-exchange factor	1.23	0.74	2.24	0.07	0.36	2.73	0.28	0.64
AJ454713	Guanine nucleotide-binding protein (Receptor of activated protein kinase C 1)	2.33	0.37	0.63	0.33	1.19	0.98	0.74	0.51
BU203681	guanine nucleotide exchange factor Lbc	0.40	0.44	2.08	0.19	-0.43	1.22	0.18	0.05
BU442289	G-protein coupled receptor GPR34	0.14	1.21	2.02	1.66	0.11	0.11	0.29	0.70
AI979950	stathmin 1/oncoprotein 18	-0.32	0.82	1.03	1.18	0.61	-0.19	-0.29	0.08
BU369608	Serine/threonine-protein kinase NEK4	-1.28	-1.42	-1.81	-0.25	1.04	-0.31	-0.17	-0.33
BU464167	Serine/threonine-protein kinase ALS2CR7	-2.07	-2.91	-3.11	-0.25	0.43	-0.63	-0.17	-0.62
BU221831	Serine/threonine-protein kinase (Cyclin-dependent kinase-like 1)	-1.31	-1.88	-3.70	-0.83	0.07	0.00	0.35	0.35
BU335111	serine/threonine protein kinase	-0.22	0.85	1.05	0.27	-1.77	1.02	-0.33	-0.12
BU131159	serine/threonine kinase	-0.89	1.65	1.72	1.27	1.83	-0.04	-0.27	-0.05
BU223019	Rho guanine nucleotide exchange factor 7 (PAK-interacting exchange factor beta)	1.90	0.19	0.32	0.36	1.34	0.66	0.82	0.15
AI981179	Ras-related protein Rab-8B	2.09	1.83	2.05	1.08	-0.38	0.02	0.16	0.35
BU231256	Ras-related protein Rab-5A	1.31	0.72	1.01	0.32	-1.33	0.72	0.45	0.65
BU228424	Ras-GTPase-activating protein binding protein 2	0.85	1.03	0.49	0.23	-1.03	0.62	0.36	1.15
BU203976	RAF proto-oncogene serine/threonine-protein kinase	1.14	0.95	1.80	0.74	-0.29	2.19	0.52	1.10
BU450375	protein phosphatase 1B (formerly 2C)	0.12	-0.01	0.99	-0.81	-2.15	1.67	0.10	0.37
BU458393	phospholipase A2	0.87	0.11	-0.79	-1.07	-0.11	-1.08	-0.83	-0.69
BU218261	mitogen-activated protein kinase 8 interacting protein 1	-1.40	-0.90	-1.43	-0.23	0.02	-1.01	-0.70	-0.48
BU471002	mitogen-,stress activated protein kinases	1.21	1.07	0.90	1.23	1.98	0.68	0.77	0.50
BU345870	brain-derived neurotrophic factor	-0.59	-1.19	-1.11	-0.44	2.29	-0.66	-0.28	-0.04
BU222264	Tyrosine-protein kinase-like 7	-1.17	-1.12	-1.02	-0.40	-0.03	-0.59	-0.23	-0.57

BU232667	RhoGAP	0.00	-0.26	-0.92	-1.12	-1.09	-0.40	-0.77	-0.42	
BG625427	Regulator of G-protein signaling 18 (RGS18)	3.46	2.56	2.54	1.42	1.24	0.09	0.36	0.44	
AI981146	Regulator of G-protein signaling 18 (RGS18)	1.40	0.89	1.38	0.44	0.73	-0.50	-0.54	-0.49	
BU341596	brain-enriched WD-repeat protein	1.05	1.09	1.02	0.24	-0.79	0.65	0.15	0.46	
BU345260	Brain lipid-binding protein	0.59	1.40	0.67	1.38	0.24	0.20	-0.36	-0.22	
Wnt signaling pathway										
BG625586	transcription factor 7 (T-cell specific, HMG-box) (TCF7)	0.81	1.03	1.62	0.22	-0.18	-0.38	-0.19	-0.22	
BU366914	wingless-type MMTV integration site family, member 7	0.62	-0.19	0.02	-1.04	-1.76	-0.02	-0.85	-0.35	
BU418913	wingless-type MMTV integration site family, member 4	-1.19	-0.52	-1.49	-0.62	-0.83	-0.33	0.11	0.17	
BU265818	secreted frizzled-related protein 5	0.89	0.98	1.19	0.68	-1.39	0.13	0.55	0.76	
BU230817	protein phosphatase 2 (formerly 2A), regulatory subunit B	0.86	0.75	1.13	-0.18	-1.61	0.98	0.08	0.28	
BG625536	presenilin-1	0.55	0.66	1.17	0.57	0.98	1.31	0.48	0.52	
BU376258	matrix metalloproteinase	7.36	5.57	4.81	4.00	2.64	1.24	0.68	0.46	
BU212707	groucho	1.31	-0.08	0.05	-1.92	-1.65	0.37	-1.07	-0.06	
BU478867	dishevelled associated activator of morphogenesis	-1.07	-1.35	-1.99	-0.90	0.46	-0.60	0.25	-0.27	
Notch/Hedgehog/TGF signaling pathway										
BU264071	NOTCH4-like protein	-0.27	-0.02	-1.26	-0.55	-1.15	-0.36	-0.16	-0.17	
BU384463	recombining binding protein suppressor of hairless	0.45	1.03	1.22	0.14	-1.37	0.27	-0.03	-0.07	
BU263595	Notch	-1.33	-0.83	-1.57	-0.57	0.12	-0.50	-0.24	-0.37	
BU331230	hairy and enhancer of split 1	-1.27	-1.01	-0.82	-0.55	-0.94	-0.77	-0.59	-0.78	
BU259215	delta	-0.29	-1.19	-1.24	-0.79	-0.37	-0.65	-0.14	-0.48	
BU132134	hedgehog interacting protein	-0.25	-1.04	-0.01	-0.29	-1.10	0.52	-0.23	-0.46	
BU329368	casein kinase 1	1.24	0.60	1.31	-0.11	-1.92	1.29	0.44	0.40	
BU459997	casein kinase 1	0.40	0.26	0.87	-0.21	-1.75	1.04	0.08	0.50	
BU107503	transforming growth factor, beta	-0.35	-0.27	-1.23	-1.13	-1.85	-0.28	-0.19	-0.44	
BU108381	kinase-deficient TGFbeta superfamily receptor subunit	-0.92	-1.16	-1.78	-1.17	0.37	-0.30	-0.05	-0.34	
BU460394	Transformer-2 protein homolog (TRA-2 alpha)	2.04	1.23	2.26	0.84	-0.88	1.76	0.80	0.67	
BU371770	SMAD, mothers against DPP 1/5/8	-0.16	0.60	-0.66	-0.09	-1.47	0.52	-1.11	0.87	
BU458294	inhibitor of DNA binding, dominant negative helix-loop-helix protein	1.33	0.99	1.09	0.97	-0.57	0.45	0.28	0.73	
BU388226	follistatin	2.09	0.82	0.21	-1.07	-1.01	0.05	-0.35	-0.13	
Jak-STAT signaling pathway										
AI980522	Signal transducer and activator of transcription 1-alpha/beta	2.25	1.41	1.63	0.30	-0.10	0.12	0.16	-0.20	
AI981631	suppressor of cytokine signaling 3	3.05	1.50	1.07	0.14	0.16	-0.04	-0.15	-0.03	
BU130477	sprouty	-1.03	-0.66	-1.33	-0.74	-0.44	-0.46	-0.26	-0.29	
BU419580	signal transducer and activator of transcription 4	1.75	1.33	1.56	0.51	-0.32	-0.24	-0.23	0.16	
BG625531	Signal transducer and activator of transcription 1-alpha/beta	2.27	1.40	1.57	0.44	-0.31	0.11	0.16	0.05	
BU447887	Signal transducer and activator of transcription 1	1.48	0.37	1.57	0.46	0.72	0.60	0.68	0.07	
BU391035	signal transducer and activator of transcription 1	2.88	1.74	2.05	0.29	0.38	0.22	0.01	-0.33	
AI981754	signal transducer and activator of transcription 1	2.57	1.77	1.89	0.49	-0.59	0.32	0.31	0.01	
BU435192	signal transducer and activator of transcription	0.76	1.35	1.64	0.12	-0.89	0.92	0.19	0.95	
BU261230	proto-oncogene serine/threonine-protein kinase Pim-1	1.78	1.42	0.98	0.35	-0.92	-0.20	-0.31	0.51	
BU280058	phosphoinositide-3-kinase, regulatory subunit	-0.08	-0.65	0.60	-0.22	-1.48	1.30	0.11	0.18	
BU418102	fetal liver LKB1-interacting protein	1.37	0.90	1.10	0.02	-0.55	1.09	0.22	0.23	
BU377655	suppression of tumorigenicity 6, prostate; CD82 antigen	1.00	1.13	1.28	0.83	0.05	1.97	0.06	1.38	
Calcium signaling pathway										
BU119620	DEAD-box protein abstract	0.04	0.87	1.12	0.69	-0.97	1.43	-0.06	1.21	
BU349778	ryanodine receptor 2 (cardiac)	-0.25	-1.13	-1.38	-0.90	-2.32	-0.77	-0.23	-0.01	
BU107490	phosphorylase kinase alpha/beta subunit	-1.28	-1.20	-1.16	-0.55	-0.01	-0.10	-0.21	-0.91	
BU441821	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.73	0.22	-1.02	-1.58	-0.57	-0.54	-0.40	-0.07	
BU364025	calcium channel, voltage-dependent, gamma subunit 4	1.28	1.88	1.78	1.06	1.94	0.31	0.27	0.91	
BU454596	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.24	-0.09	0.27	-1.12	-1.17	0.60	-0.26	0.32	
BU234595	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.76	-0.74	-0.46	-1.23	1.58	-0.44	-0.56	0.05	
BU335410	Calcitonin	1.91	2.49	1.70	1.84	1.78	-0.17	-0.62	0.02	
BU354796	Ca2+ transporting ATPase, sarcoplasmic/endoplasmic reticulum	1.18	0.88	1.18	0.03	-2.16	1.21	0.50	0.88	
BU329920	Calcium-binding mitochondrial carrier protein Aralar2	0.77	0.41	2.08	0.62	-0.41	1.68	0.43	0.38	
BU295022	Calcium-binding mitochondrial carrier protein Aralar2	0.50	1.13	0.88	0.17	-2.01	1.01	0.13	0.61	
BU205207	calcium-activated potassium channel	3.06	2.00	2.23	1.41	0.64	-0.22	-0.12	-0.11	
Phosphatidylinositol signaling system										
BU466524	phospholipase C, delta	-0.76	-1.24	-1.22	-1.35	-3.15	-0.72	-0.57	-0.13	
BU244725	phospholipase C, delta	0.14	-0.49	-1.10	-0.90	-1.53	-0.82	-0.54	-0.48	
BU435118	1-phosphatidylinositol-4-phosphate 5-kinase	-0.44	-0.68	-0.49	-0.30	-0.62	-0.60	-1.07	-1.15	

BU203392	1-phosphatidylinositol-4-phosphate 5-kinase	-0.86	-0.92	-1.19	-0.64	-1.55	-0.86	-0.65	-0.26	
BU273698	8-oxo-7,8-dihydroguanosine triphosphatase	0.29	0.11	1.05	0.07	0.40	1.02	0.25	0.21	
Neuroactive ligand-receptor interaction										
AI981966	purinergic receptor P2Y, G protein-coupled, 5	2.72	1.97	1.25	0.86	1.34	0.58	0.63	0.36	
BU260753	purinergic receptor P2Y, G protein-coupled, 10	-1.10	-0.57	-1.33	-0.41	0.65	-0.60	-0.06	-0.50	
BU394374	purinergic receptor P2X-like 1, orphan receptor	-1.47	-1.47	-2.21	0.03	0.11	-0.05	0.14	0.15	
BU363297	purinergic receptor P2X-like 1, orphan receptor	-1.50	-1.27	-2.38	0.18	-0.32	-0.09	0.07	0.37	
BU300946	purinergic receptor P2X, ligand-gated ion channel 7	3.12	2.04	2.74	0.72	-1.23	0.48	0.44	0.83	
AI981624	purinergic receptor P2X, ligand-gated ion channel 7	2.42	1.20	1.62	0.70	0.89	0.20	0.30	0.37	
BU219878	opioid receptor, mu 1	-1.03	-1.02	-1.15	-0.91	0.08	-0.68	-0.41	-0.52	
BU410186	neutral sphingomyelinase II	-1.05	-1.22	-1.07	-0.48	-1.33	0.38	0.41	0.03	
BU140605	neuronal transmembrane protein Slitrk4	-0.03	-0.57	-1.26	-1.33	-0.31	-0.59	-0.44	-0.50	
BU315177	neurofascin	-1.08	-1.21	-1.84	0.65	1.03	-0.41	0.34	-0.50	
BU387687	leucine-rich repeat-containing G protein-coupled receptor 4	-0.37	-0.46	-0.36	-1.00	-1.19	0.65	0.30	-0.71	
BG625508	granzyme A	2.20	1.03	4.18	2.69	2.05	-0.21	-0.19	-0.31	
BU140374	glutamate receptor, ionotropic, kainate 1	0.00	0.03	-1.72	-0.60	1.25	-0.77	0.03	0.18	
BF723775	coatamer protein complex, subunit alpha (xenin)	0.56	1.07	0.84	-0.04	-1.94	0.57	-0.01	0.66	
BU348590	amiloride-sensitive cation channel 1, neuronal (degenerin)	-0.90	-1.54	-2.03	-1.30	-0.77	-0.21	0.19	0.03	
BU470110	endothelin receptor type B	2.12	0.28	0.18	-0.94	-1.06	-0.10	-0.01	-0.04	
Cytokine-cytokine receptor interaction										
BU118152	Macrophage colony stimulating factor I receptor (CSF-1-R)	1.78	1.73	0.49	0.18	-0.04	-0.42	-0.17	-0.14	
AW061439	common cytokine receptor gamma chain	0.88	1.21	1.39	1.23	0.50	-0.10	-0.07	0.47	
AI981893	Macrophage colony-stimulating factor 1 receptor	1.79	1.48	0.87	0.22	-0.12	-0.23	-0.12	-0.18	
BU468733	interleukin 2 receptor, gamma	1.28	2.02	2.14	1.51	-0.89	0.08	0.05	0.99	
BU322177	interleukin 10 receptor, beta	2.78	1.24	0.74	0.24	-1.19	0.19	0.37	0.19	
BU252836	Cytokine-like protein C17	0.81	-0.13	-0.25	-0.98	-0.18	1.16	1.15	1.44	
AI980308	common cytokine receptor gamma chain	0.86	0.95	1.25	1.03	0.09	-0.02	0.00	0.58	
BU238599	colony-stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	3.06	2.28	1.96	0.85	0.00	-0.17	-0.24	0.27	
AI981893	colony-stimulating factor 1 receptor	1.79	1.48	0.87	0.22	-0.12	-0.23	-0.12	-0.18	
AI980712	chemokine ah221	2.48	1.24	1.34	0.03	1.12	-0.26	-0.42	-0.19	
AJ397912	chemokine (C-X-C motif) receptor 4	1.08	1.01	1.54	0.71	1.58	0.41	0.16	0.35	
AI981253	chemokine (C-X-C motif) receptor 4	1.07	1.10	1.57	0.73	1.15	0.45	0.39	0.32	
AI980458	chemokine (C-X-C motif) ligand / Embryo fibroblast protein 1 (EMF-1)	4.22	2.71	2.49	0.32	1.42	1.94	0.06	0.72	
BU267610	chemokine (C-C motif) receptor 6	1.01	1.31	1.15	0.73	0.45	0.24	0.49	0.74	
BU397782	chemokine (C-C motif) ligand/ ah294	0.97	2.81	1.91	2.67	0.99	0.67	0.73	0.97	
BU322222	chemokine (C-C motif) ligand 3/4	2.82	1.64	1.32	0.87	0.77	0.10	0.58	0.34	
AI982103	chemokine (C-C motif) ligand / chemokine ah294	0.39	1.45	0.95	1.64	0.91	0.01	0.31	0.42	
BU457013	chemokine C-C motif receptor-like 1	-0.76	-0.87	-1.39	-1.04	0.15	-0.22	-0.03	-0.32	
BU264036	Cab45 (Stromal cell-derived factor 4, SDF-4)	0.81	1.50	1.03	1.51	-0.15	0.51	-0.22	-0.19	
Cell adhesion molecules (CAMs) &ECM-receptor interaction										
BU106456	CEF-10 protein	0.88	-0.58	-1.94	-1.37	-1.41	-1.13	-1.94	-1.63	
AW773266	Cadherin 1; Epithelial cadherin	0.54	1.63	2.14	1.47	-0.80	2.69	0.49	1.54	
AW773263	Cadherin 1; Epithelial cadherin	0.62	2.07	2.54	1.75	-0.57	2.60	0.06	1.62	
BE139732	Cadherin 1; Epithelial cadherin	0.14	1.27	1.82	1.29	-1.50	1.77	0.45	1.29	
AW773310	Cadherin 1; Epithelial cadherin	0.52	1.84	2.08	1.62	-1.17	1.67	0.54	1.46	
AW773131	Cadherin 1; Epithelial cadherin	0.64	1.97	2.65	1.90	-0.97	2.82	0.40	1.72	
AW773264	Cadherin 1; Epithelial cadherin	0.21	1.04	1.66	1.18	-0.54	2.12	0.56	1.13	
AW773186	Cadherin 1; Epithelial cadherin	0.28	1.71	1.45	1.35	-1.56	1.50	0.79	0.84	
AW773181	Cadherin 1; Epithelial cadherin	0.54	1.66	2.26	1.48	-1.47	2.80	0.18	1.61	
AW773107	Cadherin 1; Epithelial cadherin	0.33	1.05	1.42	0.80	0.50	1.73	0.16	0.87	
AW773102	Cadherin 1; Epithelial cadherin	0.56	1.65	2.17	1.47	-1.14	2.60	0.19	1.72	
BF845757	Cadherin 1; Epithelial cadherin	0.36	1.70	1.91	1.36	-2.04	2.27	0.63	1.41	
BF845753	Cadherin 1; Epithelial cadherin	0.24	1.23	2.09	1.33	-0.97	2.67	0.16	1.36	
BF845752	Cadherin 1; Epithelial cadherin	0.73	1.88	2.57	1.72	-1.17	2.82	0.49	1.71	
BF845751	Cadherin 1; Epithelial cadherin	0.59	2.19	2.36	2.01	-0.16	1.90	0.14	1.52	
BF845747	Cadherin 1; Epithelial cadherin	0.22	1.89	1.96	1.76	-0.11	1.75	0.01	1.37	
BF845746	Cadherin 1; Epithelial cadherin	0.08	1.33	1.24	1.01	-0.71	1.02	0.47	0.51	
BF845728	Cadherin 1; Epithelial cadherin	0.33	1.06	1.30	0.84	-0.15	1.25	0.26	0.39	
BF723970	Cadherin 1; Epithelial cadherin	0.54	1.42	2.27	1.37	-1.38	2.94	0.66	1.74	
BF723957	Cadherin 1; Epithelial cadherin	0.51	1.42	1.93	1.28	-1.58	2.97	0.29	1.53	

BF723921	Cadherin 1; Epithelial cadherin	0.47	1.97	2.39	1.87	-0.36	2.14	0.04	1.49
BF723897	Cadherin 1; Epithelial cadherin	0.48	1.84	2.31	1.70	-0.62	2.13	-0.17	1.32
BF723891	Cadherin 1; Epithelial cadherin	0.23	1.80	1.94	1.68	-0.06	1.44	-0.44	1.00
BF723885	Cadherin 1; Epithelial cadherin	0.42	0.96	1.44	0.80	0.37	1.86	0.33	1.15
BF723870	Cadherin 1; Epithelial cadherin	0.77	2.29	2.44	2.11	0.02	2.08	0.33	1.71
BF723835	Cadherin 1; Epithelial cadherin	0.04	0.66	1.44	1.33	-1.92	1.44	0.89	0.96
BF723822	Cadherin 1; Epithelial cadherin	0.30	0.81	1.37	0.77	0.40	1.72	0.25	0.59
BF723813	Cadherin 1; Epithelial cadherin	0.55	2.00	2.31	1.91	-0.17	1.91	0.04	1.45
BF723770	Cadherin 1; Epithelial cadherin	0.39	1.03	1.38	0.64	-1.12	1.66	0.19	1.06
BF723749	Cadherin 1; Epithelial cadherin	0.50	1.59	2.35	1.36	-1.40	2.79	0.13	1.56
BF723739	Cadherin 1; Epithelial cadherin	0.58	1.70	2.49	1.67	-1.42	2.93	-0.01	1.77
BF723737	Cadherin 1; Epithelial cadherin	0.37	1.70	1.90	1.24	-0.99	1.80	0.60	1.21
BF723706	Cadherin 1; Epithelial cadherin	0.40	1.77	2.01	1.78	-0.21	1.88	-0.09	1.56
BF723697	Cadherin 1; Epithelial cadherin	0.46	1.74	2.31	1.62	-0.77	2.35	0.00	1.61
BF723690	Cadherin 1; Epithelial cadherin	0.35	1.62	1.99	1.50	-1.77	2.19	0.52	1.43
BE140005	Cadherin 1; Epithelial cadherin	0.25	0.89	1.93	0.79	-1.32	2.29	0.45	1.38
BE140003	Cadherin 1; Epithelial cadherin	0.49	1.59	2.38	1.49	-1.42	2.51	-0.22	1.51
BE139992	Cadherin 1; Epithelial cadherin	0.10	1.01	1.54	1.06	-0.34	1.88	0.33	0.95
BE139983	Cadherin 1; Epithelial cadherin	0.59	1.75	2.49	1.60	-1.55	2.72	0.17	1.90
BE139964	Cadherin 1; Epithelial cadherin	0.03	1.15	1.24	0.96	-0.54	0.71	-0.11	0.35
BE139960	Cadherin 1; Epithelial cadherin	0.55	2.07	2.19	1.81	-0.56	1.91	0.28	1.55
BE139927	Cadherin 1; Epithelial cadherin	0.26	0.89	1.70	0.84	-0.89	2.12	0.74	1.41
BE139858	Cadherin 1; Epithelial cadherin	0.20	1.59	1.85	1.65	-0.07	1.49	-0.21	1.42
BE139815	Cadherin 1; Epithelial cadherin	0.51	1.96	1.83	1.51	-0.63	1.69	0.53	0.99
BE139806	Cadherin 1; Epithelial cadherin	0.56	1.86	2.41	1.80	-0.59	2.31	-0.02	1.58
BE139792	Cadherin 1; Epithelial cadherin	0.22	1.54	1.82	1.49	-1.02	1.50	0.19	1.34
BE139769	Cadherin 1; Epithelial cadherin	0.39	1.69	1.98	1.48	-1.05	1.79	0.38	1.44
BE139768	Cadherin 1; Epithelial cadherin	0.37	1.57	1.77	1.55	-1.42	1.73	0.63	1.25
BE139752	Cadherin 1; Epithelial cadherin	0.45	1.83	1.76	1.80	-1.25	1.79	1.14	1.44
BE139736	Cadherin 1; Epithelial cadherin	0.36	1.80	2.13	1.68	-0.49	2.11	0.09	1.43
AW773277	Cadherin 1; Epithelial cadherin	0.38	1.70	2.08	1.64	-0.40	2.12	0.25	1.41
AW773129	Cadherin 1; Epithelial cadherin	0.20	0.68	1.42	0.48	-1.20	1.68	0.03	1.10
BU401642	Aggrecan core protein	1.01	0.86	0.64	-0.68	-2.34	2.18	-0.02	1.36
BU427718	Aggrecan core protein	1.25	1.09	-0.60	-0.58	-1.94	1.06	0.91	1.23
BU130635	vascular cell adhesion molecule 1	5.03	2.18	2.34	0.63	0.53	0.45	-0.09	0.21
BU361094	programmed cell death 1 ligand 1	2.76	1.28	2.14	-0.12	-0.43	0.02	-0.17	-0.44
BU490981	platelet/endothelial cell adhesion molecule	1.06	1.46	1.91	0.50	-1.50	1.46	1.15	1.48
BU295025	integrin beta 2	1.19	1.75	1.31	0.57	-1.50	-0.41	-0.56	0.23
BU296938	cadherin 2, type 1, N-cadherin	-0.46	-1.36	-0.76	-0.78	1.14	-0.81	-0.69	-0.67
BU201861	cadherin 15, M-cadherin	-1.24	-1.19	-1.49	-1.07	0.15	-0.52	-0.27	-0.43
BU128418	extracellular matrix protein periostin-bm	1.36	0.83	1.98	-0.45	-1.04	3.15	0.43	0.37
BU244746	type XIII collagen	0.16	-0.63	-1.67	-1.23	-0.21	-1.02	-0.93	-0.72
BU320552	type V collagen	-0.50	-0.86	-1.76	-1.34	-1.36	-0.83	-0.53	-0.52
BU483469	Syndecan-1 (SYND1) (CD138)	2.15	1.19	2.07	0.13	-0.55	1.78	0.14	0.39
BU307831	Hyaluronan synthase 2(Hyaluronate synthase 2)	3.34	2.10	-0.19	-2.46	-1.08	-0.73	-1.60	-1.31
BU489133	Collagen alpha 1(III) chain	0.64	0.27	-0.17	-1.61	-4.96	0.34	-0.72	0.48
BU334707	thrombospondin	-0.25	-0.69	-1.72	-1.27	0.46	-0.77	-0.48	-0.86
BU375616	laminin, gamma 1	-0.42	-0.36	-1.08	-1.16	-1.80	-0.36	-0.51	-0.48
BU483367	laminin, alpha 3	0.73	1.02	2.33	0.52	0.02	2.58	0.24	0.34
AI982287	Lamin B receptor	0.67	0.98	1.10	1.30	1.01	0.37	0.38	0.68
BU204014	integrin beta 5	-0.01	0.12	-1.00	-0.57	-1.19	-1.23	-0.71	-0.73
BG625071	collagen, type IV, alpha	-0.15	-0.31	-1.05	-1.20	-0.95	-1.07	-0.34	-0.57
BU420326	collagen, type I/II/III/V/XI, alpha	0.19	0.09	-1.34	-1.42	-1.61	0.39	0.44	-0.04
BU301033	collagen type VI subunit alpha-1	-0.43	-0.51	-1.58	-1.12	-0.86	-1.19	-0.95	-0.92
BU412310	chondroadherin	1.14	0.11	-0.82	-1.22	-2.00	0.85	0.58	0.39
BU388056	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	2.16	1.03	1.82	0.52	0.13	1.85	0.64	0.35
BU258105	47 kDa heat shock protein (Collagen-binding protein 1)	0.93	1.21	1.39	-0.19	-1.37	1.43	0.53	0.94
BU257424	Cartilage matrix protein (Matrilin-1)	1.41	0.65	-0.26	-1.13	-1.37	1.41	0.61	0.95

Cellular Processes

Cell Motility

Regulation of actin cytoskeleton

BU360509	protein tyrosine phosphatase, receptor type, B	-1.22	0.07	-1.40	0.68	-0.81	0.02	-0.01	0.59
BU411797	Myosin-binding protein C, slow-type (Slow MyBP-C)	-0.45	-1.02	-1.08	-3.29	-0.90	-0.37	-0.09	0.16
AI982129	Myosin IXb	-0.06	-1.13	-2.28	-1.62	-2.43	-0.11	-0.16	-0.33
BE139976	anillin, actin binding protein	0.20	1.88	2.17	1.04	-0.02	0.78	0.30	0.54
AW773245	anillin, actin binding protein	0.44	2.99	2.30	1.29	0.19	0.52	0.24	0.58
AW773095	anillin, actin binding protein	0.31	2.48	2.03	1.02	-0.08	0.84	0.47	0.65
BU375923	T-cell lymphoma invasion and metastasis	-0.93	-1.49	-2.62	-1.70	-0.19	-0.80	-0.58	-0.57
AI982060	radixin	-0.75	-0.89	-2.81	-0.11	-1.99	-0.80	-0.94	-0.27
BU426359	Rac/Cdc42 guanine nucleotide exchange factor 6	0.68	1.16	1.27	0.35	-1.51	0.52	-0.12	0.72
BU337448	profilin	-1.79	-2.10	-3.19	0.63	0.30	-0.66	0.13	-0.17
BU250639	Myosin heavy chain	-0.38	-0.35	-0.77	-2.44	-1.29	0.06	0.05	0.97
BU144510	Myoglobin	-1.19	-1.72	-0.66	-3.39	-0.05	-0.85	0.83	-0.06
BU315169	leucine-rich protein (LRP 130) (GP130)	0.35	0.22	2.63	0.24	-0.05	2.60	0.26	0.34
BU222494	gelsolin	0.47	1.15	2.37	1.02	-1.44	3.40	-0.06	1.20
BG625613	Coronin 1C (Coronin 3)	1.49	1.27	1.36	1.04	-1.17	0.43	0.30	0.80
BU297337	Coronin 1C (Coronin 3)	1.08	1.24	1.52	0.30	-2.44	0.19	-0.20	0.88
AJ447332	Coronin 1C (Coronin 3)	0.64	-0.03	0.69	0.41	1.47	1.53	-0.18	0.04
BF723724	anillin, actin binding protein	-0.27	1.98	1.81	0.86	-0.45	0.58	0.19	0.52
BG625556	Actin-like protein 2 (Actin-like protein ACTL)	1.10	1.08	1.33	0.51	0.11	0.58	-0.04	0.09
BU222255	actinin, alpha	0.16	0.45	1.78	-0.09	-0.18	1.59	-0.04	0.38
AJ451588	actinin, alpha	1.33	1.12	0.74	0.16	0.41	-0.79	-0.54	-0.22
BG624978	Actin, cytoplasmic 2 (Gamma-actin)	-0.43	-0.38	-0.74	-0.76	-1.15	-1.01	-0.66	-0.79
BF723700	actin related protein 3	1.87	1.34	2.51	0.30	-1.91	1.77	0.29	1.10
BU380027	actin related protein 2/3 complex, subunit 1A/1B, 41kDa	1.70	1.47	1.05	0.91	-0.99	0.09	0.10	0.61

Cell Growth and Death

Cell cycle

BU428137	spindle checkpoint protein BubR1	-0.87	1.04	0.78	1.15	1.19	-0.68	-0.57	-0.58
BU411683	SMC6 protein	1.28	1.29	1.25	0.75	0.04	0.44	0.15	-0.08
AJ451887	Septin 5 (Cell division control related protein 1)	-0.10	2.49	2.17	1.78	0.28	0.45	0.22	0.47
BU127270	Septin 2 (NEDD5 protein)	0.57	0.90	3.30	0.39	-0.43	1.85	0.20	0.44
BF723977	cyclin F	-1.36	-0.79	0.97	1.04	-3.37	0.12	0.42	0.22
BG625682	cell proliferation antigen Ki-67	-0.02	1.38	1.43	1.06	-1.15	-0.11	-0.10	0.06
BU455470	CDC42-binding protein kinase beta	-0.28	-0.20	1.09	-0.19	-0.21	2.15	-0.12	0.05
BU382263	CDC42-binding protein kinase beta	0.52	0.75	0.74	0.21	-1.92	1.78	0.44	0.90
BU344384	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein	0.61	0.83	1.16	0.52	-2.66	0.99	0.42	0.81
BG625440	structural maintenance of chromosome 2	0.48	2.82	3.01	1.26	0.13	0.27	0.09	0.47
BU109035	S-phase kinase-associated protein 2	0.75	1.25	1.19	1.26	-0.56	0.49	0.53	0.64
BU356230	Septin 6	0.85	1.45	1.36	0.62	-1.76	1.17	0.23	0.70
BU402091	SCF complex F-box protein MET30	0.04	-0.37	1.13	-0.45	-1.01	0.69	-0.20	-0.37
BF845714	proliferating cell nuclear antigen	0.09	1.44	1.38	0.61	0.04	0.16	0.17	-0.12
BE139827	proliferating cell nuclear antigen	-0.21	1.15	1.02	0.30	-0.09	0.01	-0.02	-0.13
AI980702	proliferating cell nuclear antigen	0.27	1.37	1.36	0.76	0.55	0.25	0.31	0.04
BU464198	polo-like kinase 1	-1.10	1.05	0.84	0.38	-0.34	-0.67	-0.54	-0.24
BU213740	polo-like kinase 1	-0.34	1.78	1.66	1.54	-0.94	0.04	-0.02	0.32
BF723716	polo-like kinase 1	-0.51	1.58	1.24	0.94	0.39	-0.26	-0.32	-0.15
BU246664	peroxisomal biogenesis factor 6	-0.69	-0.45	-1.26	0.33	-1.16	-0.42	0.38	0.04
BU306537	peroxisomal biogenesis factor 2	-0.67	-0.38	0.96	-0.15	-1.60	1.19	-0.73	-0.34
BU275177	mitotic checkpoint serine/threonine-protein kinase BUB1 beta	1.04	1.26	1.02	1.23	0.98	0.33	0.71	0.89
BU110750	minichromosome maintenance protein 6	0.26	1.09	1.53	-0.06	-0.65	0.30	-0.17	-0.06
BU324833	minichromosome maintenance protein 4 (cell division control protein 54)	0.14	1.14	1.09	-0.08	-0.56	-0.32	-0.32	-0.37
BF723984	minichromosome maintenance protein 4 (cell division control protein 54)	0.60	1.17	1.44	0.06	-0.66	0.27	-0.02	-0.12
BG625621	minichromosome maintenance protein 3	0.32	1.39	1.33	0.62	-0.41	0.25	-0.05	0.30
BU250559	kinetochore protein-like	-1.43	-1.42	-1.53	-1.37	-0.22	-0.84	-0.55	-0.46
BU301470	kinesin-like protein KIF1B	0.21	1.03	1.11	0.11	-0.66	1.13	0.12	-0.07
BU336711	kinesin-like 6 (mitotic centromere-associated kinesin)	0.33	2.23	1.76	1.08	-0.31	0.37	0.39	0.64
BU274620	kinesin-associated protein 3	-1.47	-0.92	-2.28	-0.48	0.04	0.29	0.43	0.16
BU291105	Keratin, type II cytoskeletal 8 (Cytokeratin 8)	-0.13	1.21	0.59	0.61	-2.42	0.38	-0.18	0.87
BU412444	Keratin, type I cytoskeletal 19 (Cytokeratin 19)	-1.16	-1.21	-2.01	-0.90	-0.23	-0.51	-0.19	-0.43
BU271323	kendrin	0.21	0.33	1.01	0.33	-0.18	1.23	0.09	0.00

BU311059	growth arrest and DNA-damage-inducible	1.43	-0.58	-0.78	-0.86	-1.09	-0.29	-0.24	0.28	
BU453388	Cyclin C	0.23	0.60	1.01	0.03	-1.12	0.87	0.27	0.43	
BU113105	cyclin B	-0.42	1.68	1.33	1.37	-0.03	-0.36	-0.26	0.07	
AJ397334	cyclin B	-0.01	1.68	1.51	0.96	2.02	0.11	-0.12	0.01	
BU465755	condensin complex subunit 3	0.40	1.62	2.26	0.67	-0.61	0.83	0.05	0.46	
BU389347	condensin complex subunit 3	-0.03	1.58	1.45	1.28	1.35	-0.01	0.11	0.04	
AJ455290	Clk3 protein	-0.29	-1.48	-1.52	-1.14	1.14	-0.58	-0.91	-1.26	
BU454373	cell division cycle 25B	-0.15	1.33	0.29	0.57	-1.20	0.12	-0.54	0.61	
BU245578	checkpoint serine/threonine-protein kinase	-0.37	1.30	1.56	0.79	-0.67	0.33	0.01	0.14	
Apoptosis										
BU486338	survivin	-0.38	2.21	1.75	1.33	1.11	0.01	0.01	0.08	
BU241925	Caspase recruitment domain protein 9 (rCARD9)	1.61	1.86	1.28	0.46	-0.64	-0.12	-0.18	-0.01	
BU288166	CARD-containing MAGUK protein CARMA1	0.48	1.06	1.24	0.29	1.54	-0.31	-0.46	0.05	
BU459549	Tumor suppressor p53-binding protein 1	-1.01	-0.69	-1.04	-0.18	0.82	-0.49	-0.12	-0.46	
BU410189	tumor necrosis factor receptor superfamily, member 11B	2.02	0.66	0.72	-0.96	-1.23	0.78	0.12	0.37	
BU223326	TNFRSF receptor-interacting serine/threonine-protein kinase 1	0.76	0.40	1.86	-0.02	-0.73	1.38	-0.41	-0.14	
BU369352	p53-related protein	1.02	0.53	1.62	0.45	-0.89	0.97	0.65	0.67	
BU399078	IAP repeat-containing protein 6 (Ubiquitin-conjugating BIR-domain enzyme apollon)	0.04	0.22	1.23	0.23	0.71	1.28	0.21	0.32	
AI980572	IAP homolog	2.04	1.20	1.22	0.23	0.42	0.14	0.25	-0.15	
BU121710	caspase-6	1.44	1.38	0.57	0.41	0.23	-0.02	0.11	-0.08	
AI980887	caspase-3	1.56	0.31	1.08	0.34	-0.48	0.03	-0.12	-0.05	
BU318447	CASP gene product	0.38	0.20	1.52	0.41	-0.40	1.26	0.14	0.43	
BU133614	BH3 interacting domain death agonist	0.47	0.78	1.16	0.45	-1.07	-0.20	-0.38	-0.14	
BU385372	baculoviral IAP repeat-containing 2/3/4	1.35	0.13	-0.36	-1.08	-0.21	0.70	0.26	-0.12	
BU291823	BCL7A protein	-0.65	-1.04	-0.99	0.49	0.81	1.05	0.76	0.37	
BU390170	Bcl-2-associated transcription factor	0.84	0.51	1.65	-0.10	-0.99	1.67	-0.12	0.24	
Cell Communication										
Tight/Gap junction										
BQ293321	tubulin, beta	-0.77	-0.62	-1.23	0.45	-1.19	-0.10	-0.07	0.15	
BE140004	tubulin, beta	-0.97	-1.11	-1.61	0.23	-1.44	-0.13	-0.03	0.11	
BU334987	Tubulin tyrosine ligase-like protein 1	-0.53	-1.04	-1.02	0.42	0.89	0.02	0.22	-0.08	
BU380226	Gap junction alpha-7 protein (Connexin 45)	-0.63	-0.86	-1.12	-1.27	-0.17	-1.14	-0.82	-0.56	
AI979744	parvin	1.59	0.72	1.29	0.45	0.62	-0.14	-0.15	-0.06	
BU234967	filamin	-1.09	-1.13	-2.09	-0.10	0.56	-0.33	0.05	-0.46	
BU119964	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide	1.16	1.24	1.32	0.97	-0.66	0.32	0.38	0.58	
BU226294	tight junction protein 3	-1.32	-0.82	-1.62	0.07	-1.36	-0.56	0.34	0.15	
BU142697	tight junction protein 1	0.61	0.30	1.36	0.33	-0.12	1.72	0.11	0.48	
BU446642	novel protein kinase C [EC:2.7.11.13]	0.88	0.60	1.29	-0.34	-1.88	1.28	-0.01	0.41	
BU111802	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide	1.10	1.36	0.82	0.47	-2.91	0.76	0.40	1.08	
BU374135	Exocyst complex component Sec15A	0.62	0.71	1.78	0.47	-0.13	1.68	0.27	0.32	
BF723898	Exocyst complex component Sec15A	0.04	0.35	1.22	0.28	-0.39	1.05	-0.64	-0.22	
BU303983	exocyst complex component 3	0.71	1.30	1.27	0.46	-0.44	0.73	0.02	0.53	
Endocrine System										
Insulin signaling pathway										
BU434478	MAS1 oncogene	3.80	1.71	0.86	-0.13	0.19	0.00	0.00	0.07	
BU492719	stearoyl-CoA desaturase	0.47	0.88	1.36	0.29	-1.51	1.11	0.36	0.64	
AI980131	TIS	0.07	1.00	0.91	0.69	-2.26	0.76	-0.18	0.91	
BU106374	TIS	2.45	0.94	1.73	1.58	1.17	1.31	1.50	0.86	
BU262975	Pre-mRNA splicing factor SRP40(Insulin-induced growth response protein CL-4)	0.49	1.19	1.39	0.00	-1.17	1.51	-0.06	0.61	
BU448941	Pre-mRNA splicing factor SRP40 (Insulin-induced growth response protein CL-4)	0.28	0.61	0.96	-0.06	-1.99	1.13	-0.41	0.35	
BU287621	protein phosphatase 1, catalytic subunit	0.14	0.67	1.61	0.07	-1.40	1.68	0.16	0.22	
AJ456236	protein phosphatase 1, catalytic subunit	-0.20	1.72	2.06	1.27	0.77	0.17	-0.04	0.06	
BU409545	insulin-like growth factor 1 receptor	-0.56	-0.10	-1.02	-0.26	-1.90	-0.68	-0.09	-0.10	
BU473774	insulin receptor tyrosine kinase substrate	0.71	0.44	0.51	-0.32	-1.69	2.02	0.45	0.76	
BU269329	insulin induced protein 2	1.80	0.39	1.30	0.26	1.36	1.05	-0.07	0.01	
BU107910	FKBP12-rapamycin complex-associated protein	-0.88	-0.32	-1.24	-0.98	-0.63	-1.00	-0.56	-0.38	
BG625568	avian thymic hormone	-1.44	-1.22	-0.63	-2.00	-0.15	-1.56	-0.97	-0.31	

Immune System

Hematopoietic cell lineage

BU357815	transferrin receptor	0.56	0.77	1.42	-0.30	-1.07	0.79	-0.32	0.27
BU277433	nesprin-1 alpha	0.26	0.06	1.06	-0.15	-1.09	1.33	-0.04	0.85
BU372940	neprilysin	-0.23	-1.46	-1.32	-1.22	-0.87	-0.57	-0.94	-0.41
BU358602	CD9 antigen	-1.23	-2.01	-2.57	-1.57	0.07	-0.82	-0.70	-0.50
BU381076	CD34 antigen	-1.20	-1.18	-1.53	-0.91	-1.07	-0.68	-0.32	-0.16

Complement and coagulation cascades

BU405865	complement regulatory membrane protein	0.73	0.85	0.38	0.05	-1.52	1.63	0.66	1.08
BU412107	urokinase plasminogen activator (uPA)	1.54	1.77	0.13	-0.12	-0.43	0.14	-1.10	-0.99
AI981748	complement factor H	-1.06	-0.84	-1.02	-0.36	-0.16	-0.09	0.07	-0.21
BU375371	complement component 4	0.40	1.02	0.82	1.57	-0.89	-0.45	0.28	0.56
BU344075	complement component 1, s subcomponent	3.11	2.65	3.08	0.86	-0.31	1.25	0.70	0.99
BU247397	complement component 1, q subcomponent, beta polypeptide	1.59	1.31	1.29	0.66	-0.43	-0.47	-0.24	-0.35
BU465902	bradykinin receptor B1	1.25	0.89	-0.29	-1.23	0.41	-1.05	-1.11	-1.00
BU476741	anaphylatoxin C3a receptor	2.25	2.47	2.05	1.06	1.23	0.02	0.05	0.18

Toll-like receptor signaling pathway

BU374739	Toll-like receptor 2 type 1	2.00	2.10	1.79	0.07	-1.02	1.07	-0.33	-0.17
BU234701	ARHGAP15	1.28	1.49	2.28	0.98	1.26	0.22	-0.02	0.40
BU435893	toll-like receptor 7	1.94	2.35	1.60	0.56	0.95	-0.20	-0.55	0.00
BU200466	toll-like receptor 2, type 1	1.54	2.06	0.61	0.02	0.47	-0.60	-0.74	-0.75
BG625445	Ras-related C3 botulinum toxin substrate 1	1.84	1.71	2.15	1.82	0.51	0.61	0.69	1.22
AI980647	Ras-related C3 botulinum toxin substrate 1	1.05	0.90	1.44	1.03	0.10	0.01	-0.02	0.34

Natural killer cell mediated cytotoxicity

BU299622	Granzyme K (NK-tryptase-2)	1.02	0.70	2.09	2.28	1.23	0.46	0.56	0.92
BU304038	SH3-domain binding protein 2	1.20	0.96	1.53	0.60	0.06	1.19	0.23	0.30
BG625224	SH2 domain protein 1A	1.15	1.95	2.73	1.27	1.46	0.13	0.10	0.44
BU212557	fas ligand receptor soluble form	1.25	0.25	1.18	0.44	0.04	0.32	0.17	0.12
AI981685	Fas antigen/ tumor necrosis factor receptor superfamily, member 14	2.17	0.44	1.07	0.48	0.33	0.09	0.25	0.17
BU300974	Fas / tumor necrosis factor receptor superfamily, member 6	1.79	0.25	1.05	0.30	-0.20	0.11	0.15	0.32

Antigen processing and presentation

BU294829	class II histocompatibility antigen M beta chain 1	1.61	1.39	1.01	0.86	-0.61	0.20	0.02	0.08
AI981465	CD83 antigen	2.13	0.88	1.01	0.65	0.22	0.57	0.55	0.32
BU133108	Bactericidal permeability-increasing protein (BPI)	4.69	2.01	2.29	0.46	0.58	0.29	-0.34	0.09
BG625012	major histocompatibility complex, class II, beta chain; B-L beta chain	1.26	1.78	1.03	1.17	-1.33	0.28	0.31	0.73
BM293829	heat shock 70kDa protein 1/8	0.99	1.04	1.07	0.21	-1.04	0.35	0.34	0.71
BU126014	cathepsin S [EC:3.4.22.27]	1.06	1.11	0.82	0.55	-0.59	0.07	0.12	-0.13
AI980743	cathepsin S	1.12	1.27	1.01	0.61	-0.70	0.22	0.27	0.12
BU251021	cAMP response element-binding protein 1	2.68	1.00	0.96	-0.63	-1.28	0.42	0.14	0.24
BU460997	calpain	-1.04	-0.71	-1.92	-0.14	0.05	0.15	0.31	-0.28
BU399365	calnexin	0.40	0.48	1.40	0.49	-0.06	1.49	0.39	0.75
BE139971	DC22	1.69	1.47	1.25	0.72	-1.18	0.29	0.45	0.46

T cell receptor signaling pathway

AI981235	T-cell receptor beta chain	0.86	1.04	1.97	1.31	1.71	0.32	0.32	0.54
BU140547	MTCP-1 protein (Mature T-cell proliferation-1 type A)	-1.89	-0.93	-1.44	-0.50	-1.46	-0.65	-0.55	-0.52
BG625718	GRB2-related adaptor protein 2 (GRAP)	0.77	0.94	1.70	1.34	1.16	-0.14	0.05	0.72
AI980480	Grb2-associated binder 1	1.02	0.82	0.68	0.03	1.07	-0.18	-0.19	-0.26
AI980859	zeta-chain (TCR) associated protein kinase / ZAP-70	1.27	1.31	2.03	1.14	0.41	-0.10	0.12	0.52
BG625641	TCR zeta chain subunit	0.46	1.16	1.79	0.91	0.45	-0.51	-0.23	0.15
BG625390	TCR zeta chain subunit	1.33	1.93	2.11	1.58	1.43	-0.21	0.42	0.87
BU254912	T-complex protein 1, beta subunit (TCP-1-beta)	0.79	0.87	1.66	0.49	-1.19	1.26	0.55	0.61
AI980159	T-cell surface glycoprotein CD8 alpha chain	0.06	0.56	1.19	1.65	0.25	-0.40	-0.14	0.31
BG625372	T-cell receptor beta	2.01	2.49	3.01	2.74	2.64	0.82	0.97	1.76
BG625371	T-cell receptor beta	1.21	1.76	2.78	2.19	1.99	0.31	0.28	1.18
BG625741	T cell receptor delta chain	1.08	1.30	1.72	1.17	1.33	0.47	0.86	1.06
BU207995	T cell immunoglobulin mucin-3	1.34	1.28	1.33	1.22	1.23	-0.03	-0.01	0.29
BU211840	Ras homolog gene family, member A	0.67	0.48	1.05	0.18	-2.33	1.00	0.59	0.90
BU380565	protein tyrosine phosphatase, non-receptor type 6	1.98	1.49	2.41	0.71	-1.99	1.33	0.23	0.62
BU117842	lymphoid-restricted membrane protein Jaw1	0.40	0.42	1.49	0.61	1.54	0.12	-0.06	0.47
AI979962	lymphocyte-specific protein 1	1.01	1.10	1.06	0.65	0.32	0.15	0.25	0.28
BU137526	lymphocyte specific helicase	0.42	1.40	1.39	0.77	0.33	0.24	0.23	0.31

AI982250	Lymphocyte antigen Ly-6E (Stem cell antigen 2)	1.34	-0.26	-1.02	-0.21	0.96	0.06	0.59	-0.48	
BG625359	L-plastin (Lymphocyte cytosolic protein 1)	3.51	3.28	3.24	1.87	0.73	0.85	0.87	1.13	
BU374370	GRB2-related adaptor protein	0.94	1.27	1.51	1.20	-0.57	0.01	-0.06	0.52	
AJ394199	GRB2-related adaptor protein	-0.90	-0.49	-1.21	0.32	1.18	-0.46	0.02	-0.08	
BU245144	CD80-like protein	1.41	0.48	1.47	0.00	0.12	1.97	0.43	0.84	
BU492201	CD3G antigen, gamma polypeptide	1.84	2.27	3.01	2.79	1.19	0.94	1.06	1.70	
BU301629	CD3 epsilon	1.29	1.94	2.61	1.83	0.50	0.51	0.48	0.82	
AI980528	CD3 epsilon	1.62	1.83	2.80	1.79	0.46	0.67	0.64	1.33	
BU308805	t-complex protein Tcp-10	-1.25	-2.21	-3.18	-0.84	-0.01	0.31	0.75	0.10	
BU325091	T-complex protein 1(TCP-1-alpha)	0.59	0.97	1.34	0.68	-1.66	0.89	0.74	0.95	
B cell receptor signaling pathway										
AW773313	immunoglobulin J chain	-1.49	-1.03	1.31	0.97	0.51	0.33	0.35	-0.09	
BU269181	Immunoglobulin heavy chain binding protein(BIP). [Chicken] {Gallus gallus}, partial (15%)	1.81	1.72	2.59	0.59	-0.69	2.64	0.49	1.48	
BU123895	Ig light chain precursor	-1.03	-0.76	0.79	1.09	-3.18	0.18	0.79	0.18	
BE140052	Ig light chain precursor	-0.62	-0.50	0.89	1.44	-2.16	0.55	1.04	0.47	
BE139828	Ig light chain precursor	-0.83	-0.41	0.56	1.04	-2.23	0.36	0.70	0.39	
AW773272	Ig light chain	-0.55	0.03	0.89	1.26	-3.63	0.21	0.66	0.72	
BF724010	Ig light chain	-0.73	-0.41	0.95	1.01	-3.11	0.37	0.76	0.90	
BF723955	Ig light chain	-0.71	-0.51	1.00	0.95	-2.62	0.24	0.53	0.07	
BF723860	Ig light chain	-0.83	-0.44	0.93	1.07	-3.48	0.43	0.91	0.57	
BF723844	Ig light chain	-0.65	-0.24	1.13	1.14	-3.22	0.57	0.96	0.59	
BF723832	Ig light chain	-0.71	-0.28	1.07	1.04	-3.18	0.43	0.71	0.63	
BF723702	Ig light chain	-0.79	-0.28	0.98	1.03	-3.29	0.27	0.69	0.53	
BE140022	Ig light chain	-0.80	-0.32	0.86	1.19	-3.40	0.29	0.73	0.54	
BE139905	Ig light chain	-0.71	-0.21	1.02	1.05	-3.54	0.27	0.70	0.58	
BE139882	Ig light chain	-0.86	-0.43	0.82	1.03	-3.32	0.52	0.83	0.51	
BE139847	Ig light chain	-0.87	-0.40	0.97	1.15	-3.51	0.43	0.85	0.71	
AW773187	Ig light chain	-0.95	-0.65	0.83	1.11	-3.44	0.29	0.90	0.60	
AW773146	Ig light chain	-0.69	-0.44	0.87	1.12	-2.96	0.53	1.03	0.88	
BU387082	CD81 antigen	0.68	1.00	0.57	0.37	-1.31	0.54	-0.10	0.28	
AI981029	B-G	-0.15	-0.96	-1.03	-1.49	-0.05	-1.24	-0.89	-0.35	
BU471941	BCAP	2.84	1.50	2.13	0.36	-1.04	0.67	0.40	0.41	
BQ293342	immunoglobulin J chain	-0.54	-0.77	1.44	0.79	-1.55	0.31	0.15	0.17	
BE139945	immunoglobulin J chain	-1.28	-1.09	1.21	1.07	0.39	0.31	0.46	-0.14	
BE139914	immunoglobulin J chain	-1.00	-1.00	1.03	1.15	0.88	0.54	0.64	-0.11	
BU324663	I-mfa domain protein XIC	0.60	-0.03	1.41	-0.22	-0.34	1.61	-0.16	-0.48	
AJ392749	Ig V-region-like B-G antigen 14/8	0.35	-0.90	-0.95	-1.99	-0.92	-1.46	-1.20	-0.57	
BG625386	Ig mu chain C region	-1.11	-0.63	0.95	0.79	-3.08	-0.22	0.52	-0.52	
BF723939	Ig light chain	-0.87	-0.58	0.93	1.21	-3.50	0.12	0.65	0.56	
AW773265	Ig light chain	-0.81	-0.30	0.94	1.23	-2.83	0.40	0.80	0.60	
BF723857	Ig light chain	-0.77	-0.29	1.01	1.10	-3.39	0.34	0.93	0.72	
AW773279	Ig light chain	-1.20	-0.86	1.04	1.19	-2.59	0.29	0.62	0.27	
BG625356	Ig gamma chain	-1.07	0.23	2.35	2.73	0.02	2.35	2.31	2.96	
BU249956	Enhancer of zeste homolog 2 (ENX-1)	1.07	1.51	2.71	0.92	-0.10	1.44	0.20	0.34	
BU481163	chB1	1.71	1.96	1.64	0.65	-0.09	-0.17	-0.15	0.30	
BU387314	B-G antigen	-0.03	-1.09	-1.22	-2.11	-0.76	-1.48	-1.11	-0.54	
BU113828	B-cell CLL/lymphoma 10	0.76	0.34	1.90	0.20	-0.62	1.42	0.23	0.00	
BU286022	B(0,+)-type amino acid transporter 1 (B(0,+)-AT)	-0.66	-1.04	-0.60	-0.66	1.24	-0.28	-0.10	-0.34	
BF845749	B cell phosphoinositide 3-kinase adaptor	0.46	1.46	2.33	1.36	-1.43	2.67	0.07	1.58	
Leukocyte transendothelial migration										
BU294161	Rho-associated, coiled-coil containing protein kinase	0.91	0.85	1.88	0.30	-0.93	1.29	0.22	0.58	
BU397498	neutrophil NADPh oxidase factor 1 (p47-phox)	0.78	1.61	0.81	1.29	1.78	0.00	0.16	0.49	
AJ394103	neutrophil cytosol factor 2 (p47-phox)	1.00	1.50	1.40	1.53	1.43	0.62	0.66	0.71	
BU470532	Rho-associated, coiled-coil containing protein kinase	1.44	1.71	1.53	1.01	-0.34	0.51	0.39	0.70	
BU419337	neutrophil cytosolic factor 4	2.06	1.52	0.93	0.23	0.68	-0.42	-0.59	-0.23	
BU116697	Leukocyte elastase inhibitor (Monocyte/neutrophil elastase inhibitor)	2.57	1.02	0.45	-0.43	-0.59	0.22	-0.26	0.29	
BU473336	catenin (cadherin-associated protein), alpha	-1.06	-0.73	-0.84	-0.27	1.00	-0.65	-0.53	-0.06	
Development										
BU423688	ETS translocation variant 6/7	2.03	0.57	0.45	-0.15	-2.33	-0.06	0.12	0.67	
BU355212	c-ets proto-oncogene protein	0.76	1.11	1.98	0.70	-1.45	1.00	-0.36	0.92	

BU377416	semaphorin 4	-1.89	-1.28	-2.74	-1.09	1.01	-1.03	-0.63	-0.68
BU208699	semaphorin 3	1.39	-0.35	0.48	-1.85	-2.05	0.49	-0.85	-0.18
BU255455	roundabout, axon guidance receptor 2	-0.48	-0.39	-1.55	-1.17	-0.02	-0.45	-0.29	-0.48
BU436922	netrin 4	-0.20	-0.62	-1.45	-1.06	0.25	-0.79	-0.25	-0.32
BU317776	Eph receptor A3	-0.78	0.17	-1.04	-0.71	-1.35	-0.77	-0.64	-0.59
Bu264606	Eph receptor A1	-1.04	-0.63	-1.44	-0.50	0.47	-0.53	-0.12	-0.29

Human Diseases

BU243590	serum amyloid A type A	-0.28	-0.71	-1.32	0.60	-1.02	0.42	0.61	0.33
AI981649	signal sequence receptor, delta (translocon-associated protein delta)	0.11	1.07	0.41	1.31	-2.18	0.72	0.45	0.17
BG625063	Cu/Zn superoxide dismutase	-0.97	-1.05	-1.05	-0.18	0.73	0.13	0.23	0.01
BU462314	amyloid beta protein binding protein 1	0.01	0.35	1.54	0.41	-2.13	1.11	0.42	0.29
BU433747	breakpoint cluster region protein	-1.00	-0.92	-1.89	-0.45	-0.11	0.51	0.57	0.42
BU267370	paired box protein 6	1.39	1.03	0.54	0.31	0.10	-0.20	-0.39	-0.24
BU471134	homeobox protein HB9	-1.03	-0.24	-1.00	-0.02	-0.53	0.02	0.35	0.18
BU308946	microphthalmia-associated transcription factor	-1.49	-1.57	-0.45	-1.10	0.60	-0.58	-0.53	-0.84
BU481178	tropomyosin 3	0.67	0.27	1.02	0.24	-1.99	0.89	0.59	0.41
BU317272	tropomodulin 3	0.77	0.66	1.46	0.19	-2.87	1.14	0.48	0.59
AW773317	nucleoprotein TPR	0.34	0.98	1.18	0.69	-1.10	0.26	0.43	0.55
BU105551	hemoglobin epsilon chain	0.43	-1.58	-1.17	-2.46	-1.59	-1.50	-1.94	-0.88

Functionally Unknown Genes

BU464966	Y17833 pol protein	-0.89	-1.55	-1.83	-1.02	0.93	0.24	-0.55	-0.70
BF723781	XAGL protein	0.04	0.47	0.72	-0.33	-2.11	1.08	0.09	0.32
BU446630	X99144	0.82	-0.58	1.22	-0.73	-1.05	1.27	-0.50	-0.01
BU229913	X82209 MN1	-1.57	-1.07	-1.96	-0.78	-0.98	-0.95	-0.05	-0.48
BU347508	X76952 IAI3B	-1.32	-0.80	-0.95	-0.65	-1.25	-0.24	-0.47	-0.35
BU230211	WW domain binding protein 2 (WBP-2)	-0.02	-1.27	-1.43	-1.15	-0.30	0.04	0.24	-0.12
AJ448450	Vpu-binding protein	1.74	1.35	1.00	0.85	-1.27	0.07	0.24	0.38
BU216004	vbS1	-0.68	-0.62	-2.18	-1.39	-1.16	-1.25	-0.77	-0.76
BU327260	US 6512094	-0.75	-1.31	-2.06	-1.16	0.71	-1.19	-0.89	-0.64
BU121003	UNC93A protein	-0.50	-1.66	-1.85	-0.76	0.74	-0.47	0.22	-0.51
BU454480	UL51	-1.91	-2.39	-2.95	-0.42	0.38	0.00	0.15	0.00
BU334114	tumor-related protein	0.20	0.16	1.09	0.49	-0.04	1.01	0.54	0.30
BF723790	tumor susceptibility protein 101	1.84	1.04	0.44	-0.25	-0.09	-0.43	-0.06	-0.20
BE140038	tumor susceptibility protein 101	2.12	1.14	1.01	-0.12	-0.77	0.01	0.32	0.11
BE139957	tumor suppressor TSBF1	0.42	0.56	1.29	0.10	0.04	1.02	-0.02	0.34
BU372732	Tumor suppressor p53-binding protein 1	-1.19	-0.68	-1.28	-0.32	0.67	-0.66	-0.33	-0.47
BU211411	tumor suppressing STF cDNA 5	-0.83	-0.85	-1.94	-0.76	1.00	0.84	0.95	0.44
BU354808	Tumor necrosis factor type 1 receptor associated protein	0.03	0.63	1.12	0.28	-1.62	0.97	-0.65	0.74
BU449011	tsec-1 protein (A and B)	-1.38	-1.89	-1.95	-0.10	0.73	0.02	0.07	-0.21
BU130608	TRF-proximal protein homolog	1.05	0.55	1.26	0.68	-0.10	0.92	0.89	0.54
BU138948	Thyroid receptor interacting protein 3 (TRIP-3)	-1.13	-0.82	-1.01	-0.70	-0.92	-0.79	-0.76	-0.58
BG625574	Thyroid hormone receptor-associated protein complex 150 kDa component (Trap150)	0.35	0.68	0.88	0.01	-1.54	1.04	-0.34	0.25
BF723754	thymopoietin beta	0.15	0.79	1.45	0.33	-1.00	0.61	0.36	0.48
BU278491	Tetraspan NET-	-0.48	-0.12	1.02	0.12	-1.52	1.28	0.28	-0.10
BU281482	testis specific protein	-1.45	-3.17	-3.87	-0.43	0.18	-0.42	-0.08	-0.07
BU443325	Telethonin (Titin cap protein)	-1.61	-1.28	-2.01	-0.55	0.92	-0.47	-0.37	-0.06
BU478192	system A transporter isoform 2	-1.18	-0.70	-1.80	-0.09	-1.24	-0.29	-0.70	-0.58
BU455926	Synaptojanin 2 binding protein	2.06	1.45	1.14	0.47	-0.66	0.72	0.04	0.34
BU373928	surfactant protein A	-0.80	-1.72	-2.78	-0.94	-0.27	-0.56	-0.25	-0.14
BU354746	striated muscle UNC45	-0.39	0.07	-0.82	-1.33	0.24	-1.04	-0.31	-0.17
BU210720	ST2	2.30	1.54	0.94	-0.05	1.09	0.83	0.61	0.84
BU388505	sporulation-induced transcript 4-associated protein SAPLA	0.50	0.30	1.53	0.70	0.13	1.51	0.54	0.27
BU317846	spectrin alpha chain	0.61	0.89	1.59	0.12	0.00	2.59	0.28	0.44
BU208871	Shb-like adapter protein, Shf	1.32	-0.05	-0.07	-2.05	-2.18	0.42	-1.10	-0.43
BU123908	SGLT1 protein	0.91	0.74	1.08	0.65	1.04	0.86	0.41	-0.07
BU437519	Serum/glucocorticoid-regulated kinase 1	1.39	-0.07	0.08	-0.94	-2.17	0.51	0.16	0.24
BU304534	serine-rich protein	1.13	1.64	2.47	1.61	0.34	0.43	0.53	0.85
BU333029	Serine/threonine-protein kinase pim-3	1.59	1.54	0.95	0.45	-0.74	-0.17	-0.14	0.48
BU259299	Serine/threonine kinase 17A(DAP kinase-related apoptosis-inducing protein kinase 1)	-0.20	0.02	1.00	-0.11	-0.67	1.01	-0.30	0.08
BU374735	selective LIM binding factor	-0.65	-0.50	-1.91	0.18	-2.83	0.26	0.42	0.31

BU249473	SCA2	-0.62	-0.65	-1.61	-0.09	-1.52	-0.33	-0.12	-0.24
BU408468	Sarcolipin	-1.09	-0.73	-0.79	-2.40	0.18	-0.27	-0.06	0.43
BE139870	RNase L inhibitor(Ribonuclease 4 inhibitor)	0.79	1.12	1.58	0.52	-1.12	1.13	0.56	0.74
BF723980	RNase L inhibitor (Ribonuclease 4 inhibitor)	1.08	1.61	1.89	0.80	-1.27	1.13	0.52	0.99
BU288374	RNA-binding protein	-0.68	-0.57	-1.46	0.29	1.64	-0.66	-0.08	0.01
BU244041	RNA splicing-related protein	0.44	0.43	1.52	1.04	0.05	0.88	0.36	0.24
BG625519	RING finger protein 23 (Testis-abundant finger protein)	1.32	0.42	3.05	1.46	0.54	-0.17	-0.35	-0.34
AI981973	RING finger protein 20	0.15	1.12	0.86	1.28	-0.42	0.84	0.42	0.76
AI980449	RING finger protein 19 (p38 protein)	-0.71	-0.63	0.66	1.30	-2.39	0.39	1.06	0.51
BU295632	ring finger protein 15	3.03	1.81	2.18	0.81	-1.13	1.07	1.13	0.74
BU470523	Ribulose biphosphate carboxylase small chain 1(RuBisCO small subunit 1)	0.32	0.78	0.97	0.22	-1.08	1.30	0.28	0.62
BU133052	Ribose methyltransferase PET56	-0.86	-1.03	-1.70	-1.66	-1.01	-0.77	-0.56	-0.58
BG625735	Ribonuclease homolog (RSFR)	3.09	3.11	2.69	1.56	-0.36	0.17	0.04	0.12
BU480533	Rh blood D group antigen polypeptide	-0.45	-1.39	-1.09	-0.81	0.79	-0.75	-0.66	-0.76
BU230492	reverse transcriptase, pol-like	-1.01	-0.77	-1.56	-0.84	-0.12	-0.87	-0.41	-0.27
BU382078	Retinoic acid- inducible E3 protein	3.03	2.61	2.77	1.82	-0.50	0.49	0.58	0.98
AW773257	Retinoic acid- inducible E3 protein	2.72	2.25	2.40	1.54	-0.57	0.17	0.40	0.75
BU231671	retinoblastoma-associated protein HEC	0.48	1.08	1.92	0.68	0.26	0.55	0.08	0.29
BU414108	retinal short-chain dehydrogenase/reductase	-1.45	-0.76	-1.25	-0.38	-0.33	-0.48	-0.57	-0.66
BU334252	regulatory subunit of PP2A	0.40	0.28	1.24	0.63	1.00	0.61	0.33	0.25
BU126737	RE67445p	-1.19	-0.84	-1.45	-0.23	0.58	-0.66	-0.19	-0.29
BU332787	RALBP1	-0.03	0.14	1.02	-0.40	-1.67	0.61	-0.16	0.00
BU445806	ral guanine nucleotide dissociation stimulator	0.93	0.83	1.22	0.33	0.04	1.32	0.54	0.88
BU353207	radial spoke protein 3	-0.88	-1.56	-2.71	-0.30	-0.50	-0.01	0.16	-0.20
BU206834	Rabkinesin-6 (RAB6-interacting kinesin-like protein)	-0.29	1.52	1.35	0.14	0.18	0.54	0.17	0.33
AJ456485	prothymosin alpha	0.01	1.32	1.01	0.67	1.11	-0.04	0.05	-0.03
BG625660	protein-100	0.03	1.73	1.81	1.23	-0.49	0.33	0.09	0.06
BU427110	Protein mlo2	2.16	0.97	1.54	0.54	-0.71	1.45	0.50	0.86
BU355572	Protein disulfide isomerase A4(Calcium-binding protein 2)	0.58	0.27	2.10	0.34	-1.96	2.67	0.47	0.89
BU303631	protease domain of endotheliase 1	-0.69	-3.01	-2.86	-2.46	1.06	-0.92	-0.36	-0.57
BU213155	Prostaglandin F2 receptor negative regulator (CD9 partner 1)	-0.88	-0.90	-1.20	-0.91	1.34	-0.47	-0.52	-1.14
BG625489	Proline-rich protein 2 (B4-2 protein)	1.02	0.21	1.14	0.51	0.17	0.29	0.08	0.13
BU324247	proline-rich extensin-like protein	1.03	0.26	1.83	0.32	-0.61	0.96	0.37	0.22
BU361056	Presenilin beta	-1.18	-0.66	-1.34	-0.40	0.07	-0.31	-0.10	-0.11
BU481487	pregnancy-induced growth inhibitor OKL38	0.80	0.04	-0.05	-0.14	-1.52	1.16	0.79	1.27
BU435871	pregnancy-induced growth inhibitor OKL38	0.83	-0.02	-0.04	-0.13	-1.33	1.13	0.78	1.44
BG625060	Pr57 env polyprotein	0.17	-4.29	-2.41	-5.66	-0.49	-0.96	-1.21	-0.81
BU131052	Potential phospholipid-transporting ATPase IIA	-1.62	-1.04	-1.80	-0.87	0.34	-0.78	-0.35	-0.66
BU357463	Post-proline cleaving enzyme	0.15	0.55	1.12	0.00	-1.25	0.81	0.21	0.71
BU135320	polypyrimidine tract-binding protein PTB-1	0.70	1.10	0.87	0.44	-2.00	0.35	0.19	0.58
BU264865	PNAS-106	1.23	1.21	0.72	0.75	0.57	-0.04	-0.32	-0.18
BU278879	plenty-of-prolines-101/ SH3-philo-protein	0.35	0.98	0.84	0.46	-1.86	1.01	0.27	0.64
BU352798	plasma membrane proton pump H+ ATPase	0.28	0.44	0.83	0.55	-0.66	1.40	1.00	0.68
BU367730	Placental protein 6	-0.86	-0.22	-1.09	-0.41	-1.18	-0.65	-0.19	-0.32
BU490446	Piwi/Argonaute family protein melF2C3	0.31	1.11	0.69	-0.16	-2.33	0.50	-0.20	0.49
BU310968	PINCH protein (Particularly interesting new Cys-His protein)	0.83	1.24	1.11	0.29	-0.80	0.72	0.26	0.00
BU210641	PIBF1 protein	-0.55	-1.16	-1.46	-0.12	0.60	-0.55	-0.30	-0.28
BF723723	phospholipase C, gamma 2	0.52	0.32	1.63	0.07	-0.03	1.11	0.27	0.48
BM293865	Phosphatidylethanolamine-binding protein (PEBP)	-1.28	-0.93	-1.29	-0.32	0.42	0.24	0.11	-0.15
BU209465	PGRS family protein	0.67	-0.22	-1.32	-1.02	0.21	-0.99	-0.71	-0.93
BU387079	Peroxisome biogenesis factor 1 (Peroxin-1)	0.25	0.24	1.06	0.15	0.02	1.22	0.30	0.27
BU439544	PE_PGRS	0.81	0.78	1.50	0.22	-1.44	1.04	0.86	1.12
BU364046	P0705A05.3	0.39	1.35	0.61	0.87	1.50	0.61	0.32	0.62
BU482128	P0698A10.17	0.90	0.45	1.81	0.66	-0.63	1.10	0.42	0.68
AI980505	P0498A12.26	0.43	1.26	1.96	2.24	1.53	0.47	0.25	0.66
BG625767	Ovotransferrin (Conalbumin)	-0.35	-0.63	-1.83	-0.93	-1.09	-0.31	0.15	-0.75
BU444276	OSJNBb0032K15.13	-1.08	-0.90	-1.23	-0.51	-0.29	-0.45	-0.10	-0.19
BU205868	OJ1656_E11.14	-1.41	-0.40	-1.27	0.58	-0.24	-0.61	-0.36	0.29
BF845737	nucleolar protein ANKT	-0.17	1.54	1.48	1.01	0.08	-0.16	-0.26	-0.09
BF845705	nucleolar protein ANKT	0.17	1.66	1.35	1.15	0.29	-0.24	-0.14	0.25
BU349357	nuclear protein SR-25	0.43	0.65	1.78	1.01	0.62	1.11	0.37	0.32

BU395520	nuclear protein SA-2	0.01	0.37	2.03	-0.16	-0.15	2.39	-0.15	0.14
BU397923	Nuclear protein Hcc-1	-0.04	0.87	0.93	0.84	-1.36	1.04	-0.17	1.24
BU384557	Nuclear pore complex protein Nup88	0.60	1.22	1.16	0.36	-2.06	0.66	0.52	0.60
BU395478	Nuclear pore complex protein Nup107	0.21	1.10	1.09	0.30	-1.37	0.98	0.38	0.15
BU316209	NSE1 protein	-1.15	-1.61	-2.00	-1.54	0.12	-0.59	-0.70	-0.69
AI981012	Normal mucosa of esophagus specific gene 1 protein (FOAP-11 protein)	3.63	1.35	1.29	0.67	2.03	0.92	0.87	0.16
BE139951	no similarities to reported gene products	1.76	0.59	1.03	0.28	-0.25	1.15	0.62	0.54
BU128296	Neuroserpin (Axonin-2)	-0.89	-1.74	-2.14	-0.91	0.22	-0.09	-0.05	0.18
BU359867	nebulin-related anchoring protein isoform S	-0.86	-1.25	-1.78	-3.05	-0.73	-1.24	-0.97	-0.52
BU492718	NA	-1.20	-1.16	-0.87	-0.93	-0.62	-0.69	-0.71	-0.65
BU487305	NA	-1.88	-1.43	-1.49	-0.20	0.15	-0.37	-0.32	-0.47
BU486168	NA	-1.06	-0.41	-0.96	-0.19	1.31	-0.07	0.10	-0.40
BU485524	NA	1.64	1.11	1.19	0.43	-0.45	-0.10	-0.35	-0.17
BU484690	NA	-1.17	-1.01	-0.95	-0.24	-0.25	-0.67	-0.37	-0.24
BU484362	NA	-1.01	-1.02	-1.05	-0.31	0.37	-0.16	0.46	0.55
BU481589	NA	-1.07	-1.54	-1.58	-0.96	-1.21	-0.82	-0.59	-0.64
BU480102	NA	-0.24	0.71	0.53	-0.60	-1.35	1.10	-0.53	0.01
BU480077	NA	0.28	0.65	1.61	0.47	0.13	1.17	-0.07	0.01
BU479594	NA	0.67	1.13	1.99	0.66	-0.10	0.94	0.16	0.33
BU479047	NA	0.70	1.32	1.13	0.88	-0.19	0.88	0.24	0.52
BU477113	NA	-0.35	-0.96	-1.23	-2.01	-1.18	-0.55	-0.64	-0.56
BU476251	NA	-1.04	-1.10	-1.45	-0.08	0.95	-0.02	-0.02	0.18
BU475934	NA	-0.77	-0.56	-1.19	0.22	1.50	-0.32	0.16	-0.19
BU475471	NA	-1.55	-1.31	-2.23	-0.58	0.95	-0.51	-0.41	-0.38
BU472262	NA	1.22	0.45	-0.52	-0.25	-1.55	-0.45	-0.11	-0.24
BU471206	NA	0.19	0.02	1.16	0.01	-0.71	1.06	-0.06	0.04
BU470394	NA	-1.04	-1.34	-1.31	-0.31	0.37	-0.42	-0.10	-0.28
BU470254	NA	-1.47	-0.95	-1.08	0.37	1.41	-0.09	0.35	-0.21
BU469937	NA	-2.50	-2.94	-4.39	-0.07	-0.87	-0.89	-0.38	-0.48
BU468871	NA	-0.53	-0.30	-1.04	-0.42	1.24	-0.82	-0.14	-0.21
BU467335	NA	1.73	1.89	0.96	0.31	1.12	-0.42	-0.14	0.10
BU467290	NA	0.92	0.81	1.02	0.32	-1.45	0.61	0.03	0.68
BU467079	NA	0.02	-0.98	-1.30	-1.08	0.14	-0.59	-0.42	-0.31
BU465764	NA	1.04	1.22	1.05	0.27	-1.43	0.48	0.41	0.50
BU465437	NA	-0.03	1.76	1.41	0.79	0.12	0.03	-0.03	0.11
BU464674	NA	-1.80	-1.28	-2.21	0.96	1.16	-0.33	0.14	0.14
BU464464	NA	-0.95	-1.02	-1.39	-1.04	0.27	-0.59	-0.41	-0.60
BU463893	NA	-1.18	-1.24	-1.58	0.54	-0.28	-0.22	0.11	0.07
BU461792	NA	-1.07	-0.97	-1.49	-0.37	0.65	-0.49	0.00	-0.53
BU461482	NA	0.36	1.03	0.84	0.50	1.61	0.87	0.55	0.36
BU461320	NA	-0.59	-0.65	-1.57	-1.61	-1.83	-0.79	-0.10	0.28
BU461075	NA	-0.51	0.01	-1.07	-0.33	1.26	-0.26	0.02	0.08
BU459969	NA	-0.68	-1.54	-1.49	0.24	0.69	-0.29	-0.17	-0.11
BU459627	NA	3.65	1.84	1.85	0.96	1.53	0.01	0.45	0.71
BU459251	NA	-0.85	-1.58	-2.12	0.27	0.76	0.80	0.60	0.29
BU459237	NA	-1.06	-0.35	-1.12	0.19	1.07	-0.78	-0.28	-0.17
BU459058	NA	0.35	0.72	1.95	0.55	-0.29	1.64	0.51	0.37
BU458812	NA	-0.53	-0.47	-1.12	-1.11	-0.44	-0.66	-0.41	-0.62
BU458279	NA	-1.09	-0.27	-1.16	-0.17	-0.54	-0.43	-0.20	-0.33
BU458066	NA	-1.49	-1.30	-2.12	-0.04	-0.30	-0.32	-0.04	0.19
BU457728	NA	-1.09	-1.06	-2.75	0.09	0.66	0.16	0.72	0.39
BU457655	NA	-0.07	2.42	1.82	1.35	0.58	-0.07	-0.06	-0.04
BU456729	NA	0.09	-0.75	-1.06	-1.01	0.09	-0.79	-0.64	-0.39
BU456058	NA	-0.72	0.11	0.19	-0.27	-2.62	1.30	0.20	0.53
BU454538	NA	-0.54	-0.92	-1.36	-0.92	1.14	-0.12	0.16	-0.26
BU453497	NA	1.77	1.21	2.41	-0.12	-0.91	1.27	0.35	0.14
BU453381	NA	1.70	0.64	1.40	0.39	-1.43	1.94	1.47	1.14
BU452731	NA	0.22	0.21	0.81	-0.58	-1.43	1.20	-0.49	0.65
BU451644	NA	0.45	-0.15	-1.31	-1.36	-0.83	-0.96	-0.58	-0.64
BU450116	NA	1.23	1.11	1.29	0.73	0.06	0.91	0.64	0.04
BU449966	NA	0.43	0.29	-0.45	-0.92	-1.37	-1.09	-0.66	-0.39

BU449736	NA	2.17	1.18	1.17	-0.85	-0.36	-0.51	-0.50	-0.56
BU449497	NA	0.30	0.60	1.60	0.25	-1.45	0.90	0.13	0.38
BU447975	NA	1.76	1.38	1.14	-0.10	-0.84	0.39	-0.04	-0.20
BU447874	NA	-0.82	-1.19	-1.53	-0.08	0.40	-0.03	-0.04	-0.16
BU447866	NA	-1.84	-1.78	-2.43	-0.54	0.73	-0.65	-0.42	-0.74
BU447693	NA	0.65	0.18	-1.03	-1.09	1.36	-0.29	-0.50	-0.18
BU447283	NA	1.15	0.64	0.64	0.12	1.21	-0.45	-0.59	-0.73
BU446686	NA	-1.12	-0.71	-0.60	-0.15	1.36	-0.31	-0.20	-0.11
BU446378	NA	-1.47	-2.19	-2.62	-0.75	0.48	-0.39	0.10	-0.05
BU446050	NA	-0.72	-1.85	-2.63	-1.10	-0.67	0.23	0.30	0.07
BU445915	NA	2.02	1.71	0.83	0.34	-0.26	-0.74	-0.41	-0.80
BU445348	NA	-1.13	-1.07	-1.50	-0.18	-0.09	-0.77	-0.28	-0.62
BU444976	NA	1.06	1.21	0.49	-0.09	-0.95	0.28	0.18	0.29
BU444883	NA	0.43	0.34	1.37	0.00	-1.16	0.30	0.02	0.14
BU443543	NA	0.26	0.50	1.48	-0.21	-0.41	1.79	0.00	0.46
BU443309	NA	-0.81	-2.03	-2.25	-0.22	-0.11	-0.10	0.08	-0.08
BU443126	NA	0.44	1.13	1.25	0.00	-1.63	1.05	0.62	1.13
BU442238	NA	-0.49	0.12	-1.49	-1.95	-1.49	-0.61	-0.04	0.20
BU439412	NA	0.90	1.35	2.97	1.31	1.31	-0.08	0.14	0.40
BU439228	NA	-1.36	-0.07	-1.43	-1.16	-0.31	-0.72	-0.97	-0.52
BU439153	NA	-0.12	-0.20	-1.11	0.08	1.16	-0.26	0.03	0.06
BU438690	NA	-1.12	-1.62	-2.23	-0.26	-0.12	-0.40	-0.04	-0.01
BU438459	NA	0.57	0.57	1.40	0.59	-0.87	1.63	0.47	0.58
BU438221	NA	-0.13	-0.12	-0.38	-1.77	-1.65	0.39	0.27	0.78
BU438218	NA	-0.18	-0.32	0.70	-1.01	-1.28	1.21	-0.86	-0.14
BU438182	NA	1.15	0.25	1.45	0.41	-0.85	1.76	0.46	0.37
BU438042	NA	2.94	2.59	1.53	1.50	-0.06	0.18	0.52	0.45
BU436060	NA	3.57	0.78	0.98	0.13	0.70	2.21	0.82	0.90
BU435320	NA	-1.81	-1.92	-3.29	-0.53	0.13	-0.71	-0.27	-0.30
BU434366	NA	0.03	-0.13	-1.52	-1.46	-1.21	-1.17	-0.72	-0.79
BU434187	NA	0.31	-0.05	0.73	-0.39	-1.39	1.84	0.62	0.68
BU434036	NA	-1.30	-1.64	-1.48	0.05	0.88	-0.41	0.02	-0.11
BU432835	NA	-1.68	-0.26	-1.60	-0.99	0.54	-1.02	-0.67	-0.74
BU432471	NA	5.75	4.61	3.91	0.41	0.41	3.33	0.23	2.02
BU431862	NA	1.51	1.16	0.95	-0.17	-0.16	-0.13	-0.22	-0.06
BU427890	NA	0.38	1.12	0.96	1.13	1.13	0.48	0.05	-0.06
BU425921	NA	-0.12	-0.26	-1.11	-0.19	1.21	-0.48	0.14	-0.16
BU424831	NA	0.69	0.33	1.53	-0.05	-0.51	1.54	0.09	0.21
BU424141	NA	-1.30	-0.33	-0.85	0.58	1.54	-0.03	-0.08	-0.09
BU423293	NA	0.41	1.14	1.11	-0.13	-0.74	1.73	-0.14	0.15
BU423292	NA	-0.45	-1.19	-0.62	-0.83	-1.83	-0.64	-0.38	-0.46
BU423181	NA	-1.08	-0.28	-0.19	-0.16	-0.03	-1.03	-0.50	-0.56
BU422537	NA	0.80	0.39	1.93	0.17	-1.01	0.87	-0.04	0.22
BU421563	NA	1.65	0.49	-0.19	-0.46	-1.49	0.29	0.32	0.66
BU421408	NA	-1.15	-0.70	-1.03	-0.87	0.83	-0.46	-0.39	-0.51
BU420703	NA	0.10	-1.16	-1.13	-0.77	1.02	-0.60	-0.57	-0.40
BU420697	NA	-1.95	-2.90	-3.31	-0.44	0.40	-0.51	-0.21	-0.67
BU420558	NA	-1.11	-1.55	-2.69	-0.65	0.01	0.24	0.30	0.25
BU420450	NA	0.01	-0.35	-1.03	-0.94	0.41	-0.74	-0.82	-1.14
BU420365	NA	0.15	-0.07	1.62	0.14	-0.79	1.35	-0.07	-0.36
BU420215	NA	-1.48	-0.76	-1.57	-0.16	0.17	-0.47	-0.18	-0.29
BU419449	NA	-0.11	-0.80	-2.15	-1.75	-0.05	-0.99	-0.83	-0.76
BU418946	NA	-1.12	-0.93	-1.32	-0.50	0.14	-0.78	-0.50	-0.42
BU418756	NA	0.16	0.32	1.29	0.19	0.10	1.05	-0.01	-0.07
BU418029	NA	0.90	-0.31	0.33	-1.07	-1.14	-0.38	-0.28	-0.66
BU417597	NA	1.88	0.70	2.02	0.65	-0.85	0.69	0.34	0.50
BU414936	NA	0.07	-0.64	-1.36	-1.95	-3.03	-1.13	-0.72	-0.91
BU414008	NA	-0.52	-0.33	-1.21	-0.89	1.22	-0.95	0.40	0.72
BU413535	NA	1.38	-0.48	-0.01	0.37	0.10	-1.05	-0.86	-1.00
BU412599	NA	-0.84	-1.20	-0.83	-0.78	-0.45	-1.24	-1.02	-0.60
BU412426	NA	-0.47	-0.15	0.25	-0.61	-1.24	1.24	-0.75	-0.31
BU411106	NA	-0.29	-0.32	1.02	-0.46	-1.24	0.98	-0.55	0.17

BU410932	NA	-0.89	-1.08	-1.30	-3.34	-0.96	-0.76	-0.74	0.20
BU410571	NA	-0.21	-0.99	-1.15	-1.01	-4.28	-0.79	-0.35	-0.17
BU409510	NA	1.10	1.18	0.43	-0.01	0.58	-0.63	-0.40	-0.07
BU403660	NA	-0.12	1.50	1.61	0.25	-0.45	0.24	-0.14	0.26
BU403514	NA	-0.04	-1.18	0.10	-0.61	-1.02	-0.13	-0.24	-0.63
BU402913	NA	0.17	1.14	1.42	0.75	0.10	0.25	0.32	0.17
BU402164	NA	-1.55	-0.99	-1.05	-0.32	1.50	-0.58	-0.25	-0.45
BU401950	NA	5.53	3.84	3.32	0.66	1.09	0.31	0.87	-0.36
BU400667	NA	-0.50	-0.62	-1.61	-0.89	-1.91	0.04	-0.07	-0.18
BU397147	NA	-1.34	-0.93	-1.71	0.32	0.76	-0.63	-0.05	-0.37
BU396045	NA	0.78	-0.31	1.50	0.29	0.05	1.19	0.27	-0.09
BU395099	NA	-0.45	-0.68	-1.24	-1.00	0.93	-0.50	-0.44	-0.26
BU394622	NA	-0.89	-1.67	-2.28	-0.51	-0.87	-0.38	0.17	0.18
BU393628	NA	-0.33	-1.18	-1.82	-1.23	0.38	-0.45	-0.03	-0.53
BU393594	NA	-0.91	-1.55	-2.37	-0.58	-0.79	0.60	0.59	-0.53
BU393257	NA	-0.44	-0.08	-0.55	1.48	1.52	0.52	0.67	-0.08
BU391732	NA	0.78	1.17	2.88	1.32	2.25	0.34	0.18	0.84
BU391346	NA	0.32	0.26	0.88	-0.77	-1.23	1.48	-0.37	0.35
BU389582	NA	1.65	0.34	0.15	-0.12	1.45	-0.32	-0.02	0.04
BU389334	NA	0.33	1.08	0.29	0.75	1.01	0.44	0.56	0.37
BU388765	NA	-0.70	-0.67	-1.08	-0.09	0.86	-1.01	-0.36	-0.07
BU388671	NA	0.45	0.39	1.15	0.21	0.10	1.55	0.36	-0.02
BU387622	NA	0.32	0.62	1.05	0.04	0.26	1.24	0.03	0.15
BU387512	NA	-0.33	-0.90	-1.10	-0.66	1.35	-0.20	-0.37	-0.98
BU387420	NA	0.12	0.07	0.02	1.39	1.65	0.00	0.33	0.28
BU387125	NA	1.06	1.11	1.35	0.27	0.00	0.55	0.07	0.18
BU387087	NA	0.37	1.54	1.06	0.55	0.54	0.05	0.03	0.08
BU386839	NA	-0.65	-1.01	-1.04	-0.22	-0.25	0.20	0.10	0.16
BU384974	NA	-0.27	-0.68	-1.51	-1.00	-0.49	-0.42	-0.06	-0.14
BU384621	NA	-0.40	0.50	0.00	1.22	1.52	-0.19	0.40	0.09
BU384585	NA	0.77	1.15	1.40	0.14	-1.90	0.57	0.21	0.84
BU383239	NA	-0.57	-0.33	-1.31	-1.07	-1.76	-0.58	-0.35	-0.22
BU382987	NA	-0.45	-1.17	-1.45	-0.35	-0.20	-1.16	-0.49	-1.03
BU382921	NA	-0.07	-0.51	-1.51	-1.47	-1.81	-0.79	-0.34	-0.46
BU382625	NA	2.75	1.21	0.99	0.09	0.81	-0.02	-0.03	0.39
BU382468	NA	0.03	0.30	-0.51	-1.24	-1.02	-0.18	-0.06	-0.14
BU382327	NA	-0.92	-0.77	-1.09	-0.50	1.77	-0.34	-0.12	-0.38
BU382198	NA	-1.12	-0.66	-1.01	-0.36	-0.27	0.13	0.30	0.07
BU379558	NA	-0.99	-1.18	-1.86	-0.65	1.31	-1.00	-0.39	-0.56
BU377344	NA	-1.20	-1.38	-1.48	-0.67	-0.27	-0.30	-0.20	-0.34
BU376440	NA	0.68	0.15	-1.00	-0.25	-1.64	-0.18	0.07	0.49
BU376094	NA	-0.14	-0.17	-2.25	-1.27	-3.12	0.23	-0.09	-0.26
BU376036	NA	0.41	0.40	1.96	0.28	-2.48	1.25	0.14	0.58
BU374280	NA	-1.06	-1.35	-1.85	-1.31	-0.98	-0.98	-0.58	-0.46
BU374205	NA	0.18	1.37	0.91	1.24	1.36	0.28	0.19	-0.20
BU373447	NA	-1.16	-0.28	-0.45	0.51	-1.29	-0.40	-0.46	-0.14
BU372313	NA	-1.02	-0.47	-1.41	0.00	0.65	-0.28	0.06	-0.24
BU371728	NA	-0.33	-0.32	-0.64	-1.08	-1.11	-0.16	0.17	-0.12
BU369293	NA	-0.57	-1.15	-1.18	0.42	-0.19	0.18	0.38	0.33
BU368765	NA	-1.28	-1.18	-2.32	-1.28	0.09	-0.65	-0.06	-0.34
BU368655	NA	-1.37	-1.25	-1.20	-0.20	-0.80	-0.46	-0.16	-0.27
BU368594	NA	-0.48	-1.09	-1.14	-0.72	0.42	0.64	-0.02	0.44
BU368411	NA	-1.50	-1.02	-1.40	-0.54	0.58	-0.70	-0.35	-0.23
BU367449	NA	-0.78	-1.10	-1.29	-0.80	0.98	-0.55	-0.03	-0.29
BU366973	NA	-1.95	-2.51	-3.11	0.08	-0.28	-0.40	0.39	-0.39
BU366847	NA	-1.65	-2.44	-2.93	0.01	0.27	-0.34	0.32	-0.10
BU366284	NA	-0.50	-1.71	-1.70	-0.88	-0.57	2.05	0.17	-0.15
BU365966	NA	-2.00	-2.75	-5.36	-0.80	-0.47	-0.51	-0.02	0.04
BU364807	NA	-0.52	-1.19	-1.59	-0.71	-0.18	-0.80	-0.67	-0.52
BU363403	NA	0.38	-0.92	-1.62	-1.28	0.82	-0.19	0.47	0.57
BU361999	NA	-2.26	-2.69	-3.77	-1.03	-0.69	-0.53	-0.25	-0.18
BU359204	NA	-0.14	-0.45	1.11	0.26	0.00	1.41	0.50	0.46

BU358684	NA	-0.01	-0.10	-1.15	-0.94	1.30	-0.56	-0.23	-0.16
BU357575	NA	-0.69	-0.09	-1.18	-0.78	1.07	-0.75	-0.37	-0.05
BU356610	NA	-0.17	0.15	1.30	0.39	-1.14	0.18	0.42	0.15
BU356491	NA	-0.79	-0.89	-1.23	-2.01	-0.75	-1.20	-0.49	-0.47
BU354682	NA	-0.09	0.15	-1.13	-0.48	-1.58	-0.49	-0.05	0.07
BU354032	NA	-1.45	-1.83	-3.56	-0.59	0.34	0.16	0.00	0.28
BU352310	NA	-0.27	-1.38	-1.30	-0.41	0.71	-0.05	0.14	0.00
BU351711	NA	0.70	0.59	1.28	0.66	-0.88	1.06	0.91	0.53
BU345906	NA	-1.15	-1.48	-1.91	-0.20	0.46	-0.47	0.08	-0.09
BU345148	NA	1.04	0.95	1.66	-0.48	-1.82	0.85	-0.12	0.22
BU345054	NA	-1.05	-0.50	-0.78	0.10	-1.30	-0.63	-0.31	-0.26
BU344808	NA	0.34	0.24	-0.21	1.13	1.71	0.70	0.75	0.40
BU344287	NA	0.71	1.38	1.44	1.10	-0.89	1.05	0.63	1.02
BU343118	NA	1.70	1.90	1.52	1.01	0.58	-0.22	0.30	-0.02
BU342723	NA	-1.45	-0.95	-1.71	-0.16	1.69	-0.46	-0.04	-0.11
BU341586	NA	1.07	0.16	-0.72	-0.90	-1.60	-0.35	0.20	0.14
BU340968	NA	-1.55	-0.75	-1.37	-0.90	1.36	-0.56	-0.35	-0.55
BU338702	NA	0.08	-0.73	-1.57	-1.55	-0.92	-0.36	-0.25	-0.64
BU337526	NA	1.39	1.04	2.33	-0.25	-1.16	1.88	0.07	0.05
BU336247	NA	0.22	1.90	1.01	0.67	-0.32	-0.03	0.32	0.25
BU332405	NA	-1.00	-1.31	-0.93	-0.63	0.00	-0.92	-0.27	-0.74
BU327679	NA	-1.11	-1.55	-3.18	-1.09	-0.44	0.01	0.24	0.07
BU327258	NA	0.51	0.83	1.28	1.28	1.05	0.66	0.62	0.49
BU327240	NA	-0.70	-1.33	-1.43	-1.31	-0.14	-0.66	-0.74	-0.52
BU325617	NA	0.08	-0.16	1.48	-0.51	-0.51	1.43	-0.65	-0.51
BU325016	NA	-1.30	-1.79	-2.66	-0.37	1.44	-0.56	-0.04	-0.19
BU324904	NA	-0.65	-0.13	-1.03	-0.80	0.72	-1.02	-0.51	-0.79
BU324702	NA	1.57	1.25	0.82	0.51	-0.10	0.35	0.88	-0.38
BU324545	NA	-0.47	-0.77	-1.15	-0.29	1.57	-0.79	0.07	-0.29
BU324138	NA	-1.69	-1.91	-2.44	-0.51	-0.18	-0.58	-0.39	-0.42
BU322889	NA	-1.18	-1.95	-2.79	-0.97	0.35	-0.26	0.20	-0.27
BU322871	NA	0.10	0.25	1.54	-0.25	-0.31	1.10	0.11	0.45
BU322603	NA	0.38	1.37	1.75	1.63	0.57	-0.02	0.28	0.19
BU320365	NA	-1.00	-0.54	-1.13	-0.60	-0.73	-0.75	-0.50	-0.61
BU320344	NA	1.75	1.49	1.16	0.40	0.28	-0.26	-0.05	0.03
BU319820	NA	-1.71	-2.33	-2.83	-1.24	-1.21	-1.34	-0.73	-0.90
BU318540	NA	-0.03	0.21	1.00	0.19	-1.27	1.05	0.34	0.19
BU317861	NA	1.78	1.83	1.74	0.71	-0.44	-0.10	-0.17	-0.32
BU317813	NA	0.78	0.27	1.02	-0.14	-1.49	0.01	-0.42	-0.13
BU315113	NA	0.13	1.07	-0.54	-0.10	-1.97	-0.19	0.22	0.56
BU315034	NA	1.08	0.50	1.20	0.76	0.73	0.83	0.64	0.39
BU313674	NA	2.94	1.71	1.36	0.15	-1.42	0.61	0.89	0.49
BU313370	NA	-1.48	-1.28	-1.06	-0.54	-0.05	-0.89	-0.88	-0.61
BU312405	NA	0.47	0.45	1.85	0.27	-0.71	1.27	-0.12	0.30
BU307317	NA	2.20	1.30	1.54	0.05	-1.03	0.59	0.33	0.45
BU307235	NA	0.60	0.77	0.92	0.31	-2.25	1.06	0.41	0.70
BU305256	NA	0.63	0.89	1.30	0.41	-2.70	1.12	0.52	0.87
BU304838	NA	3.42	1.26	1.65	0.26	-0.15	0.71	1.12	0.53
BU304351	NA	0.81	1.05	0.89	0.48	-2.16	1.10	0.61	1.04
BU303368	NA	0.08	1.60	1.33	0.58	-0.41	1.14	0.53	1.40
BU303106	NA	-1.28	-0.89	-1.15	-0.72	0.30	-0.93	-0.67	-0.52
BU302868	NA	0.73	0.85	1.02	0.64	-2.18	1.18	0.34	0.92
BU300403	NA	-0.43	-0.68	-0.97	-0.36	0.65	-1.08	-0.56	-1.00
BU299969	NA	-0.36	-1.05	-0.98	-0.98	-1.14	-0.90	-0.52	-0.46
BU299028	NA	-0.52	-0.70	-1.16	-0.69	1.38	0.05	0.19	-0.04
BU297848	NA	1.30	0.89	1.50	0.30	0.11	1.08	0.30	0.51
BU297794	NA	-1.52	-1.97	-3.13	0.51	0.09	-0.11	0.46	-0.03
BU297443	NA	-1.27	-1.84	-2.45	-0.28	0.27	0.08	0.11	0.10
BU296787	NA	-1.16	-1.34	-1.39	-0.20	-1.64	0.39	0.37	-0.01
BU296564	NA	3.78	0.85	1.04	-0.11	-1.50	0.57	0.62	0.86
BU294724	NA	0.98	1.19	1.12	0.14	-1.26	0.53	0.15	0.29
BU294615	NA	-1.03	-0.97	-1.65	-0.87	1.28	-0.92	-0.20	-0.52

BU293761	NA	-0.87	-1.13	-1.03	-0.55	0.17	-0.27	-0.05	-0.46
BU293603	NA	1.04	0.80	0.05	-0.33	1.00	-0.37	-0.37	-0.10
BU293522	NA	-0.09	0.84	1.00	1.26	1.11	0.44	0.37	0.70
BU290714	NA	-0.11	-1.09	-1.30	0.74	-0.50	1.18	0.91	0.48
BU290098	NA	-0.93	-1.03	-2.22	-0.33	-0.51	-0.17	0.11	0.21
BU288202	NA	1.22	0.17	0.20	0.02	1.05	-0.07	0.17	-0.18
BU285585	NA	-0.54	-0.13	-1.88	-1.33	0.29	-0.78	-0.47	-0.75
BU285155	NA	-0.61	-1.12	-0.31	-1.21	-1.74	0.46	-0.60	-0.31
BU285061	NA	0.41	-1.20	-1.73	-2.01	-0.47	-0.73	0.09	-0.02
BU283685	NA	0.32	-1.21	-2.82	-2.31	-1.41	-1.98	-1.62	-1.77
BU282720	NA	-1.63	-1.51	-2.73	-0.53	0.62	-0.72	-0.27	0.05
BU282623	NA	-1.25	-1.39	-2.27	-0.71	0.03	-0.21	-0.14	-0.18
BU282323	NA	-0.29	-1.47	-3.01	-1.00	0.49	0.03	0.34	-0.14
BU282192	NA	-1.15	-2.07	-2.40	-1.13	1.56	-0.22	0.08	-0.25
BU281674	NA	-0.49	-1.04	-1.04	-0.96	-0.78	-0.16	-0.32	-0.35
BU281141	NA	-0.16	1.04	0.44	0.53	-1.38	0.31	-0.08	0.72
BU279674	NA	-0.63	-1.00	-1.71	0.36	0.66	0.27	0.61	0.25
BU279420	NA	0.24	-1.31	-1.54	-0.83	-1.36	-1.49	-1.08	-1.40
BU279322	NA	-2.06	-2.41	-2.86	-0.36	-1.00	0.27	0.31	0.51
BU279107	NA	-1.24	0.06	-0.25	0.30	-0.38	-1.10	-0.50	-0.76
BU278088	NA	-1.59	-1.35	-1.55	-0.50	-0.07	-0.30	0.00	-0.35
BU277421	NA	-0.69	-0.26	-1.06	-0.21	1.18	-0.53	-0.14	-0.06
BU277041	NA	0.57	0.68	1.09	0.56	-1.87	1.55	0.24	0.83
BU276555	NA	-1.89	-1.44	-1.97	-0.81	0.82	-0.46	-0.18	-0.41
BU276546	NA	2.35	0.75	2.34	0.91	1.15	0.53	-0.17	-0.04
BU275081	NA	0.96	0.93	1.29	0.02	-0.26	1.04	0.45	0.71
BU273986	NA	-0.75	-0.74	-1.63	-0.76	1.04	-0.53	-0.11	-0.24
BU273461	NA	-0.13	-0.02	-1.04	-0.12	1.58	0.08	0.38	0.34
BU270463	NA	-2.37	-2.98	-3.53	-0.05	-0.79	-0.57	-0.32	-0.56
BU270277	NA	-1.06	-0.87	-1.52	-0.26	-0.40	-0.76	-0.28	-0.63
BU270038	NA	0.35	0.73	1.30	-0.14	-1.99	1.29	0.58	0.77
BU268323	NA	0.80	1.77	1.03	0.51	-1.41	0.17	0.27	0.64
BU267121	NA	-0.78	-0.92	-1.45	-0.52	1.08	-0.49	-0.11	-0.31
BU267108	NA	1.07	1.80	0.47	-0.34	-2.19	-0.32	-0.55	0.20
BU266497	NA	-1.53	-1.26	-1.85	0.12	-0.66	-0.55	-0.43	-0.33
BU266287	NA	1.03	0.04	-0.34	-0.37	-1.10	0.20	0.11	0.30
BU266018	NA	0.06	-0.22	1.82	-0.27	-0.66	1.11	-0.46	-0.08
BU265433	NA	-1.11	-0.70	-1.31	0.58	0.40	-0.57	-0.32	-0.50
BU263201	NA	0.26	-0.26	-1.21	-0.19	1.19	-0.48	0.01	-0.12
BU261661	NA	1.82	1.01	0.64	0.01	0.40	-0.47	-0.24	-0.40
BU260000	NA	-2.07	-3.01	-4.45	-0.75	-0.67	-0.43	-0.30	-0.24
BU259816	NA	-1.00	-1.12	-0.78	-0.38	0.00	-0.68	-0.43	-0.66
BU259114	NA	-1.13	-1.28	-0.97	-0.74	-0.59	0.24	0.10	-0.17
BU258931	NA	-0.31	-0.20	-1.00	0.18	1.41	0.01	0.12	0.27
BU256299	NA	-0.01	-0.53	-1.47	-1.10	-0.37	-0.67	-0.43	-0.68
BU255977	NA	-1.20	-0.68	-1.08	-0.75	1.48	-0.39	-0.15	-0.46
BU255609	NA	-2.66	-3.18	-3.49	-1.41	0.30	-0.81	0.36	-1.54
BU255221	NA	1.30	0.61	1.03	0.62	-1.45	-0.88	-0.33	0.59
BU255005	NA	-0.58	-1.00	-1.06	-0.92	-0.35	-0.63	-0.77	-0.94
BU254619	NA	-1.77	-0.71	-1.80	-0.60	-0.16	-1.09	-0.65	-0.58
BU254557	NA	0.62	0.64	1.51	0.21	-0.65	1.84	0.39	0.37
BU254408	NA	-0.28	1.06	0.98	0.18	1.07	-0.38	-0.23	-0.35
BU254307	NA	1.41	1.00	1.15	0.19	0.57	1.01	0.27	0.36
BU254286	NA	1.09	1.64	1.08	0.15	0.37	0.12	-0.46	-0.04
BU249125	NA	0.41	0.50	1.25	0.31	0.14	1.45	0.09	0.70
BU248930	NA	3.20	1.59	1.10	0.76	1.20	0.82	1.07	0.75
BU247385	NA	-1.20	-1.47	-1.08	-0.23	0.22	-0.75	-0.39	-0.85
BU247375	NA	-1.41	-1.28	-3.11	-2.14	1.01	-0.83	-1.46	-1.17
BU247311	NA	0.11	0.10	1.39	-0.29	-0.09	1.86	-0.04	-0.02
BU247129	NA	1.11	1.03	1.45	0.03	0.20	-0.17	-0.47	-0.07
BU246414	NA	2.13	1.10	0.97	0.05	-0.72	-0.31	-0.54	-0.48
BU245733	NA	0.81	0.24	0.92	1.03	1.11	-0.15	0.23	0.58

BU245333	NA	-0.07	-0.77	-1.44	-0.80	-0.65	1.02	0.63	1.49
BU243650	NA	-1.55	-1.24	-0.98	-0.41	0.91	-0.65	-0.43	-0.61
BU241967	NA	0.58	1.39	0.31	0.15	-1.25	-0.17	0.14	0.27
BU240849	NA	0.64	1.33	1.60	0.52	-0.24	-0.47	0.21	-0.19
BU240045	NA	-1.27	-1.65	-1.99	-0.99	0.24	-0.47	0.24	-0.34
BU239716	NA	-1.01	-0.90	-1.43	-0.57	-0.17	-0.17	0.31	-0.20
BU239156	NA	1.87	0.66	1.83	0.28	-0.44	-0.18	-0.52	-0.51
BU237820	NA	-0.20	0.62	1.08	1.38	1.05	-0.05	0.11	-0.02
BU237446	NA	-1.08	-0.77	-1.06	0.88	-0.38	-0.38	0.00	-0.01
BU237188	NA	-1.03	0.11	-0.03	0.51	-1.61	0.12	-0.14	0.02
BU237087	NA	-0.48	-0.54	-1.43	-0.78	1.21	-0.51	-0.30	-0.45
BU236262	NA	-0.78	-1.79	-1.90	-0.42	0.23	-0.85	-0.28	-0.30
BU235128	NA	-1.50	-2.74	-2.90	0.07	0.20	0.09	0.37	0.21
BU234983	NA	1.06	0.59	1.67	0.38	-0.28	0.67	0.17	0.27
BU234575	NA	-1.01	-0.52	-1.00	-0.62	-0.21	-0.75	-0.53	-0.32
BU234397	NA	-0.96	-1.50	-1.51	-0.95	0.16	-0.65	-0.44	-0.63
BU234276	NA	0.27	1.35	0.69	0.78	1.40	0.17	0.07	0.53
BU234048	NA	-0.66	-1.56	-1.79	-1.35	-1.02	-1.22	-0.76	-1.28
BU233631	NA	0.67	0.39	1.19	-0.05	-0.47	1.28	0.07	0.60
BU233467	NA	0.49	0.38	1.16	0.29	-0.11	1.01	0.32	0.17
BU233447	NA	-0.48	-1.28	-1.09	-1.29	-0.02	-0.50	-0.49	-0.61
BU232900	NA	-1.39	-2.61	-3.37	-0.54	1.44	0.42	0.26	0.33
BU232437	NA	0.07	-0.08	0.66	1.00	1.97	-0.02	0.22	0.07
BU232429	NA	-0.58	-0.06	-0.67	-0.28	1.16	-1.02	-0.39	-0.51
BU232159	NA	0.20	0.17	1.67	0.08	0.56	1.38	0.13	-0.10
BU231877	NA	-0.35	-1.10	-1.11	0.07	0.42	-0.34	0.03	0.00
BU231475	NA	1.17	1.16	0.61	-0.18	-0.81	0.17	-0.40	0.29
BU231385	NA	-0.88	-1.40	-1.36	-0.34	0.30	-0.26	0.07	-0.61
BU231026	NA	-1.12	-1.04	-1.89	0.01	-0.29	-0.10	0.30	0.04
BU230760	NA	-0.25	-0.57	-1.67	-1.08	-0.01	-0.57	-0.36	-0.53
BU228583	NA	1.36	-0.35	-0.12	-1.11	-1.10	-0.41	-0.80	-0.76
BU228386	NA	-0.98	-1.09	-2.36	-0.09	0.46	-0.59	-0.02	-0.14
BU227980	NA	0.51	-0.66	-1.36	-1.53	0.42	-1.01	-0.80	-0.26
BU227807	NA	-0.99	-1.66	-1.24	-0.75	0.30	-0.16	-0.19	-0.27
BU227513	NA	-0.75	-1.35	-1.71	-1.11	-0.63	-0.44	-0.24	-0.28
BU227150	NA	-0.18	-0.66	-1.22	-0.41	-0.12	-0.93	-0.91	-1.02
BU225487	NA	0.02	0.21	-1.02	-0.17	1.44	-0.24	-0.09	0.30
BU223866	NA	-1.30	-1.18	-1.55	-0.86	-0.81	-0.96	-0.77	-0.80
BU222526	NA	-0.09	0.28	1.08	0.14	-1.26	1.32	0.66	0.36
BU222040	NA	-0.83	-0.99	-1.81	0.05	1.22	-0.29	0.09	-0.52
BU221851	NA	1.49	1.18	1.56	0.34	0.30	0.51	0.07	0.03
BU220598	NA	-0.94	-1.63	-2.58	-2.95	-0.40	-1.73	-1.27	-1.11
BU220225	NA	0.25	0.04	0.75	0.12	-3.29	1.63	0.68	0.90
BU218966	NA	-1.15	-2.06	-2.17	0.44	0.40	0.66	0.39	0.05
BU218785	NA	0.94	1.67	1.74	0.68	-0.20	0.91	0.40	0.44
BU218404	NA	4.43	3.91	3.55	2.27	1.29	0.97	0.81	0.99
BU218046	NA	0.48	1.03	0.93	0.57	1.17	-0.19	-0.14	0.00
BU217508	NA	-0.92	-1.12	-1.71	-0.66	0.67	-0.14	0.32	0.35
BU217026	NA	-1.04	-0.60	-0.62	-0.27	-0.19	-0.46	-1.03	-0.34
BU216756	NA	-0.87	-1.05	-1.18	0.18	-2.52	0.81	0.05	1.09
BU216588	NA	1.18	0.49	0.59	-0.08	-0.15	1.73	0.54	1.03
BU215723	NA	-0.33	-1.61	-1.53	0.32	-0.01	-0.01	-0.24	-0.35
BU215364	NA	-0.37	-0.50	-0.74	-0.86	0.12	-1.02	-1.06	-0.96
BU214576	NA	-1.30	-1.24	-1.60	0.04	-0.44	0.10	0.07	0.65
BU214574	NA	-0.86	-1.06	-1.79	-1.64	-0.22	-0.68	-0.22	-0.18
BU214216	NA	-0.86	-1.41	-1.85	-0.60	0.51	-0.37	0.10	0.08
BU212868	NA	-1.24	-1.00	-0.70	-0.41	0.57	-0.47	-0.33	-0.41
BU212505	NA	-0.44	-1.19	-1.43	0.91	-0.86	0.55	0.28	0.31
BU212040	NA	0.04	0.20	0.69	-0.59	-1.37	1.36	-0.35	0.26
BU210531	NA	-0.13	-0.72	1.37	-0.29	-0.43	1.44	-0.30	-0.24
BU210050	NA	-0.71	-0.95	-1.75	-0.36	1.33	-0.65	-0.12	-0.42
BU210013	NA	0.23	0.12	1.10	-0.22	-0.25	1.70	-0.59	0.20

BU209526	NA	-0.65	-1.17	-0.59	-0.88	-2.48	0.90	0.61	0.55
BU208884	NA	-1.09	-0.39	-1.38	-0.41	0.45	-0.66	-0.38	-0.53
BU208183	NA	-0.72	-1.10	-0.95	0.46	-1.01	0.07	0.47	0.26
BU207700	NA	-1.35	-0.76	-1.86	0.31	-0.77	0.00	0.08	-0.01
BU207392	NA	-1.66	-1.64	-1.54	-0.65	-0.29	-0.85	-0.53	-1.08
BU206232	NA	-0.60	-1.49	-1.61	-1.40	0.41	-0.56	-0.54	-0.66
BU206171	NA	-0.63	-0.77	-1.75	-0.63	0.19	-1.05	-0.54	-0.30
BU203636	NA	0.13	1.13	1.04	0.32	-0.52	-0.08	0.12	0.26
BU203438	NA	-1.09	-1.13	-0.86	-0.89	-0.01	-0.76	-0.74	-0.66
BU203290	NA	1.59	0.30	1.35	-1.02	-0.85	-0.18	-0.87	-0.79
BU203257	NA	1.59	1.59	1.20	0.95	0.10	-0.33	-0.16	0.04
BU202939	NA	1.22	0.93	0.49	0.51	-1.06	0.39	-0.18	0.18
BU202830	NA	-0.91	-0.93	-1.57	-1.62	0.35	-0.92	-0.66	-0.32
BU202681	NA	-1.25	-1.77	-2.19	0.77	-2.07	0.64	0.62	0.45
BU201493	NA	-1.20	-1.76	-2.80	-0.61	-0.04	-0.16	0.20	0.10
BU200559	NA	1.64	0.26	-0.24	-0.47	1.32	-0.54	-0.33	-0.41
BU200484	NA	0.41	0.90	1.21	0.25	-1.40	1.51	-0.34	0.44
BU144636	NA	1.23	1.19	0.99	0.82	-0.09	0.49	0.50	0.62
BU144269	NA	-0.51	-1.35	-1.12	-3.87	-0.19	-0.67	-0.21	-0.49
BU144209	NA	0.12	0.05	1.04	0.40	0.49	1.34	0.47	0.32
BU143690	NA	1.72	1.08	0.78	0.94	1.04	0.40	0.99	0.54
BU142164	NA	-0.79	-1.56	-2.12	-0.34	-0.14	-0.12	0.38	-0.05
BU141883	NA	-0.17	-1.09	-1.64	-1.37	-1.48	-0.52	-0.21	-0.16
BU140360	NA	-0.24	-0.72	-0.51	-1.30	-0.38	-0.54	-0.87	-1.23
BU139987	NA	-1.51	-1.38	-1.86	-1.03	-0.29	-0.58	-0.60	-0.36
BU136253	NA	-0.96	-0.97	-4.08	-3.94	-3.14	-0.18	-0.22	-0.97
BU136048	NA	0.49	0.53	1.46	0.86	1.14	0.19	0.04	0.13
BU134935	NA	0.14	-1.99	-0.74	-1.25	-1.31	0.95	-0.12	-0.37
BU133795	NA	-0.22	-0.60	-1.32	-1.35	-0.91	-0.51	-0.33	-0.54
BU133543	NA	-0.77	-2.10	-1.62	-0.15	-0.11	0.23	0.25	-0.35
BU132298	NA	-0.65	-0.88	-1.47	-1.19	-1.29	-0.51	-0.25	-0.20
BU131496	NA	-1.12	-0.76	-1.44	-1.72	-0.41	-0.74	-0.52	-0.40
BU130920	NA	-0.30	-0.09	-1.98	-1.02	-0.58	-0.70	-0.14	-0.33
BU127713	NA	-1.37	-1.15	-2.17	-0.40	0.57	-0.28	0.15	0.15
BU126644	NA	-0.51	-1.02	-1.01	-0.31	1.23	-0.27	-0.14	-0.17
BU126292	NA	-1.25	-1.24	-1.52	-1.12	-0.51	-0.72	-0.44	-0.43
BU125970	NA	-0.40	-0.64	-1.35	-1.13	-0.07	-0.61	-0.54	-0.49
BU125373	NA	-0.81	-0.25	-1.36	-0.93	-0.14	-1.17	-0.56	-0.68
BU124642	NA	0.20	-0.72	-1.09	-0.08	-1.17	-1.00	-0.60	-0.74
BU124178	NA	3.67	2.32	2.21	0.83	-0.57	0.45	0.76	-0.06
BU123914	NA	1.91	0.68	0.46	-0.70	0.00	-0.92	-0.21	-1.45
BU123282	NA	-0.65	-0.53	-1.94	-1.12	-0.01	-0.26	-0.28	-0.32
BU122954	NA	0.04	-1.09	-1.21	-0.44	-1.19	-1.27	-0.80	-0.99
BU122840	NA	2.74	1.28	1.73	0.22	-0.04	0.08	0.04	-0.03
BU119948	NA	-1.09	-1.15	-1.54	0.20	-1.78	-0.02	-0.01	0.40
BU119271	NA	-1.43	-2.70	-3.10	-0.79	0.75	-0.05	-0.19	-0.32
BU118513	NA	1.29	1.15	1.29	-0.04	-1.75	1.25	0.26	0.38
BU117225	NA	-0.61	-0.06	-2.80	-2.78	0.85	0.00	-1.79	-1.13
BU116646	NA	-1.68	-1.24	-1.13	-0.35	-0.43	-0.68	-0.44	-0.54
BU116523	NA	0.05	-0.89	-1.61	-1.73	-0.38	-0.49	-0.22	-0.19
BU116242	NA	-1.40	-2.31	-1.42	0.26	-0.93	0.03	0.30	-0.20
BU116194	NA	-1.09	0.11	-1.36	-0.58	0.08	-0.79	-0.39	-0.43
BU115841	NA	-0.44	-1.71	-2.97	-0.34	-1.05	-0.28	0.15	0.04
BU115655	NA	-1.17	-1.10	-1.92	-0.52	0.56	-0.44	-0.04	-0.07
BU115445	NA	-1.07	-0.98	-1.15	-0.74	-0.29	-0.60	-0.36	-0.38
BU115430	NA	-0.98	-1.22	-1.33	-0.78	-0.86	-1.23	-0.88	-1.10
BU115352	NA	-0.69	-1.08	-1.66	-0.19	0.13	0.04	0.31	-0.17
BU114775	NA	-1.17	-0.85	-1.40	-1.20	0.32	-0.89	-0.81	-0.70
BU114550	NA	0.82	1.55	0.93	1.34	0.33	0.36	-0.15	-0.05
BU112025	NA	-0.77	-1.25	-2.25	-0.13	-0.20	0.42	0.48	0.32
BU111965	NA	-0.68	-1.96	-2.82	-0.61	-1.08	-0.12	0.25	0.34
BU111796	NA	-1.12	-0.50	-1.71	-0.27	0.62	-0.65	-0.28	-0.05

BU111386	NA	-1.15	-0.71	-1.02	-0.13	0.13	-0.03	-0.05	0.02
BU109690	NA	-0.31	-0.79	-1.14	-1.00	-0.28	-0.28	-0.08	-0.04
BU108466	NA	-1.14	-1.01	-1.60	-0.58	0.14	-0.90	-0.82	-0.69
BU108312	NA	0.09	1.08	0.57	0.35	1.44	0.06	0.03	0.19
BU105968	NA	-0.15	-0.07	-1.00	-1.27	-0.05	-0.86	-0.46	-0.47
BU105760	NA	0.49	0.47	0.43	-0.36	-2.57	1.06	-0.20	0.13
BU105511	NA	1.25	0.53	0.47	-0.32	-2.37	0.46	-0.29	0.00
BU105428	NA	-1.12	-1.05	-1.56	-1.24	-0.13	-0.49	-0.22	-0.55
BQ293324	NA	1.34	0.78	1.63	-0.04	-2.14	1.42	0.35	0.97
BQ293322	NA	-1.19	-0.88	0.56	1.05	-1.62	0.28	0.42	0.19
BM293875	NA	1.61	1.30	1.46	0.31	0.23	0.03	-0.35	-0.40
BM293864	NA	1.96	1.32	1.60	0.47	0.51	0.06	-0.26	-0.16
BG625733	NA	-0.92	-0.77	-1.12	-0.43	1.10	0.05	0.66	0.03
BG625632	NA	1.22	1.06	0.90	0.23	0.70	-0.32	-0.17	-0.18
BG625507	NA	2.23	0.98	3.79	2.37	1.60	-0.05	0.04	-0.06
BG625383	NA	-1.08	-1.31	-1.70	-0.66	-0.66	-0.72	-0.27	-0.46
BG625333	NA	-2.03	-1.69	-2.25	-1.09	-1.21	-1.34	-0.68	-0.64
BG625314	NA	-1.04	-1.27	-1.69	-0.68	0.89	-0.49	-0.31	-0.47
BG625165	NA	1.30	1.09	1.33	0.90	-0.43	0.66	0.92	0.88
BG625127	NA	1.77	1.66	0.86	0.88	0.84	0.11	0.46	0.51
BG625073	NA	1.39	0.66	1.16	0.14	0.86	0.18	0.20	0.08
BG625040	NA	-0.60	-0.49	-0.50	0.27	-0.15	-1.16	-0.43	-1.19
BG625020	NA	-0.85	-1.47	-1.18	-0.35	1.08	-0.47	0.12	-0.05
BF724030	NA	1.10	1.07	0.76	0.75	-0.26	0.48	0.54	0.67
BF724025	NA	-1.28	-2.33	-2.45	-1.04	-1.00	-1.06	-0.35	-0.72
BF724023	NA	0.62	0.19	1.13	-0.03	-1.04	0.85	0.29	0.40
BF724016	NA	0.37	0.29	1.24	-0.06	-1.61	0.88	0.13	0.23
BF724008	NA	1.50	0.94	1.14	0.37	0.00	0.77	0.44	0.23
BF723990	NA	2.34	1.99	2.26	1.41	-0.74	0.27	0.42	0.73
BF723979	NA	-1.43	-2.20	-2.51	-1.14	-1.02	-1.05	-0.60	-0.76
BF723933	NA	-0.05	1.22	-0.26	0.33	-1.62	-0.06	-0.13	0.68
BF723932	NA	0.47	1.53	1.62	0.78	-0.71	1.58	0.60	1.03
BF723929	NA	0.08	0.40	1.34	0.12	-1.01	0.88	0.24	0.31
BF723868	NA	-1.06	-0.88	0.82	0.84	-1.29	0.25	0.39	0.00
BF723855	NA	1.59	1.09	1.13	0.51	-0.05	0.66	0.40	0.22
BF723849	NA	0.31	0.54	1.13	1.09	0.88	0.17	0.52	0.24
BF723848	NA	-0.90	-0.25	1.44	0.38	-1.83	0.82	0.16	0.20
BF723786	NA	-0.64	-0.58	-1.05	-0.10	1.72	-0.40	-0.72	-0.42
BF723785	NA	-0.22	1.27	0.76	0.94	-1.14	0.37	0.42	0.57
BF723712	NA	-1.09	-0.93	0.92	0.72	-1.75	0.18	0.33	0.03
BE140020	NA	0.22	0.23	-1.02	0.34	1.59	-0.41	0.08	0.37
BE139980	NA	0.26	1.52	1.90	1.64	-0.87	1.86	0.28	1.29
BE139925	NA	1.06	0.30	1.03	-0.11	-1.87	0.87	0.24	0.49
BE139880	NA	0.57	1.48	1.76	0.83	-0.69	1.68	0.57	1.31
BE139832	NA	0.43	1.00	2.00	0.99	-0.16	2.23	0.58	1.29
BE139810	NA	0.32	1.45	1.86	1.33	1.03	0.51	0.24	0.52
BE139798	NA	1.07	1.73	0.18	0.17	0.15	-0.10	-0.05	0.24
BE139789	NA	0.68	0.63	0.76	0.26	-1.52	1.05	0.77	0.66
AW773286	NA	1.47	1.03	1.37	0.24	-1.41	1.20	0.30	0.43
AW773262	NA	0.04	1.43	-1.62	-0.18	0.84	-0.32	0.13	0.49
AW773230	NA	0.78	1.70	1.04	0.58	-0.74	0.13	-0.10	-0.08
AW773219	NA	1.14	1.21	0.77	0.78	-0.24	0.46	0.67	0.54
AW773211	NA	-0.13	1.04	1.07	0.50	0.48	0.05	0.00	-0.05
AW773210	NA	1.28	1.48	0.90	-0.38	-0.39	-0.33	-0.31	0.14
AW773183	NA	-1.01	-0.54	-1.16	-0.41	-0.12	-0.87	-0.48	-0.61
AW773178	NA	0.04	1.28	-1.23	-0.10	0.77	-0.61	-0.14	0.26
AW773167	NA	-0.75	-0.81	-1.14	-0.19	1.69	-0.36	-0.63	-0.29
AW773162	NA	0.23	1.11	0.45	0.57	-2.23	0.15	0.04	0.63
AW773097	NA	0.35	0.93	1.39	0.50	-1.17	1.12	0.26	0.60
AW061437	NA	1.22	1.39	1.35	0.90	-0.01	-0.05	0.07	0.11
AJ454898	NA	0.64	0.62	1.19	0.51	1.12	0.58	0.68	0.47
AJ452300	NA	0.28	1.04	1.68	1.33	1.90	0.59	0.34	1.31

AJ451853	NA	-0.63	2.08	1.74	1.57	0.38	-0.32	-0.26	-0.16
AJ448447	NA	0.85	1.43	1.77	0.46	0.11	0.10	0.05	-0.18
AJ447828	NA	-0.49	1.65	1.60	1.45	1.19	-0.05	0.05	-0.08
AJ447587	NA	1.15	0.64	1.12	0.81	0.31	0.17	0.39	0.18
AJ447025	NA	-0.31	-0.48	-1.34	-0.74	0.18	-1.35	-0.87	-0.87
AJ445396	NA	0.51	1.36	2.00	1.00	0.49	0.53	0.23	0.25
AJ399450	NA	-1.25	-1.46	-1.89	-0.55	1.02	-1.02	-0.24	-0.96
AJ393993	NA	1.83	1.71	1.64	0.91	1.01	0.29	0.47	0.54
AI981949	NA	-1.36	-1.51	-1.95	-0.44	-1.47	-0.32	-0.18	-0.26
AI981680	NA	1.40	0.89	2.00	0.93	1.04	-0.14	-0.13	-0.12
AI981096	NA	2.36	1.00	0.34	-0.66	-1.20	0.10	-0.23	-0.19
AI980751	NA	1.47	1.67	3.07	1.05	1.04	0.33	0.31	0.39
BU455737	N33 protein	-0.65	-1.27	-1.60	-0.95	0.41	-0.22	-0.17	-0.07
BU285807	Mycbp associated protein	-1.12	-1.51	-2.35	-0.04	-0.22	-0.61	0.00	-0.12
BU387676	Mycbp associated protein	-1.22	-1.05	-1.96	-0.06	-0.31	-0.26	0.06	0.03
BU241986	MTSP4 protease	-0.32	-0.23	-1.34	-0.01	1.30	-0.09	0.37	-0.08
BG625683	Msx2 interacting nuclear target protein	-0.78	-0.54	-1.02	-0.36	-1.11	-0.87	-0.36	-0.27
BU245190	modulator recognition factor 2	-0.33	-1.17	-1.90	-1.31	-1.89	-1.17	-0.69	-0.83
BU241130	mKIAA1403 protein	-0.55	-0.31	-1.23	-1.24	0.04	-0.87	-0.58	-0.61
BU213948	mKIAA0998 protein	-1.65	-1.79	-2.22	-0.60	0.09	-0.72	-0.61	-0.57
BU256643	mKIAA0665 protein	-0.67	-0.75	-1.33	-0.67	-1.06	-0.67	-0.67	-0.85
BU465154	mKIAA0626 protein	-0.23	-0.41	-1.67	-1.05	0.54	-0.39	-0.08	-0.06
BU277728	mKIAA0592 protein	0.59	1.14	1.41	0.58	-0.07	1.74	0.42	0.85
BU224514	mKIAA0560 protein	-1.14	-1.14	-1.00	-0.51	0.10	0.67	-1.50	0.95
BU134584	mKIAA0483 protein	-0.84	-0.33	-1.12	-0.26	-1.15	-0.32	-0.21	-0.22
BU122491	mKIAA0308 protein	1.40	1.22	0.44	0.22	-0.71	0.12	0.15	0.38
BU472330	mitotic kinesin-related protein	-0.33	0.57	1.23	1.16	-0.42	0.89	0.41	0.05
BU214018	mitochondrial transmembrane GTPase FZO1B	0.51	0.20	1.08	0.46	-0.08	1.33	0.30	0.11
BU133941	Mitochondrial import inner membrane translocase subunit TIM23	-0.95	-1.10	-1.20	-0.08	-0.28	0.15	0.47	0.03
BU279110	Mitochondrial import inner membrane translocase subunit TIM10	-1.37	-1.16	-1.19	-0.38	0.09	-0.50	-0.12	-0.62
BE139739	Mitochondrial 28S ribosomal protein S27 (S27mt)	-0.61	-0.27	1.16	0.89	-1.55	0.31	0.27	0.31
BU118453	microtubule-associated proteins 1A/1B	-1.14	-0.72	-1.39	-0.85	1.11	-0.49	-0.25	-0.39
AJ447355	methyl-CpG binding protein MBD3	2.10	1.87	2.46	1.28	0.65	0.27	0.14	0.24
BU383233	Metastasis-associated protein MTA1	0.35	0.02	1.66	0.00	-0.52	1.57	0.10	0.10
BU218542	membrane component, chromosome 11, surface marker 1	-1.90	-1.96	-2.68	-1.46	-0.07	-0.73	-0.27	-0.51
BU290092	MASL1	0.17	0.73	1.16	0.33	-0.22	1.01	0.35	0.59
BU278977	major ampullate spidroin 1	-0.03	1.22	0.64	0.55	-2.00	0.22	-0.14	0.69
AI980805	mahogunin, ring finger 1	2.14	1.57	1.18	1.20	0.89	0.43	0.57	0.48
BG625303	M19372 elastin	0.57	-1.05	-0.86	-1.50	-1.30	-1.06	-1.39	-0.73
BU304697	lung alpha/beta hydrolase protein 1	1.01	0.61	0.67	0.37	1.46	0.19	0.27	0.19
BU364547	limkain beta 2	-0.74	-1.83	-1.34	-0.34	-0.05	0.39	-0.39	-0.38
BU369268	LIM domain only 1 (rhombotin 1)	-1.21	-0.42	-1.86	-0.15	-0.30	-0.47	-0.35	-0.15
BU434661	leucine-zipper protein	-0.74	0.71	1.18	-0.14	-1.65	1.39	-0.33	1.28
BU259396	kinetochore protein Nuf2	0.11	1.63	1.98	1.87	0.05	0.97	0.28	0.42
BU215619	keratin I	0.83	1.03	-0.52	0.90	-0.11	-1.23	1.71	0.75
BU376143	intrinsic factor	-1.52	-1.19	-1.45	0.56	-2.92	-0.33	-0.47	0.38
AW773238	Interferon-gamma inducible protein Mg11	2.93	1.70	2.07	0.92	0.55	0.59	0.51	0.68
AI980049	Interferon regulatory factor 1 (IRF-1)	2.11	1.01	1.27	0.07	0.41	0.08	0.32	-0.13
BE139818	INS-1 winged helix	-0.15	1.18	0.98	0.21	-1.03	-0.05	-0.02	0.19
BU302452	immunophilin XAP2	-0.06	0.24	-1.33	-0.59	-0.81	-1.24	-0.68	-0.80
AJ445576	hydroxyproline-rich glycoprotein DZ-HRGP	1.86	1.33	1.34	0.52	0.53	-0.07	-0.23	0.33
BU462523	huntingtin interacting protein HIP3RP	0.41	0.72	1.50	0.80	-1.84	1.16	0.92	0.84
BU210300	HTPAP	-1.45	-0.13	-1.59	0.21	1.06	-0.73	-0.15	0.14
BU442039	HSD5	-1.20	-1.23	-1.59	0.13	0.29	-0.54	-0.16	-0.44
BU255540	HSD-4 protein	0.46	-0.37	0.79	0.26	1.06	1.08	0.17	0.02
BU105032	HP protein	0.09	-0.35	-0.77	-1.23	-1.43	-0.22	-0.84	-0.41
BG625137	Homodimeric Bifunctional Transformylase	-1.03	-0.05	-0.43	-0.01	-2.04	-0.27	-0.20	-0.07
BU230857	Homeodomain protein NKx2.1	-1.01	-0.47	-0.82	-0.04	-1.45	-0.04	-0.23	0.06
BU380438	Homeobox protein Meis2 (Meis1-related protein 1)	-1.05	-0.59	-1.09	-0.61	-0.92	-0.46	-0.35	-0.33
BU401956	hnRNP R	0.46	1.23	1.55	0.44	-0.60	1.46	0.04	0.44
BU391363	hnRNP H3	1.08	1.18	1.25	0.80	-0.82	0.91	0.64	0.94
BU256108	hnRNP H3	0.31	0.56	1.46	0.69	-0.55	1.25	0.66	0.75

BU358759	hnRNP H	0.62	1.25	1.90	0.66	-2.52	1.55	0.82	0.94
BU224748	heterochromatin-like protein 1	0.33	1.14	0.53	0.32	-1.07	0.28	0.28	0.62
BU453398	heat shock protein (hsp110 family)	1.04	0.95	1.17	0.22	-0.77	1.61	0.30	0.86
BU486117	heat shock protein	-1.36	-0.96	-1.06	-0.82	-1.41	-1.03	-0.69	-0.57
AI981455	Heat shock factor binding protein 1	-0.72	-1.20	-1.13	-0.56	0.19	-0.70	-0.32	-0.43
BU297878	HDCMC28P	0.74	0.99	1.45	1.20	0.65	0.76	0.64	0.81
BU204487	GPR39	-0.92	-1.11	-1.25	-0.62	0.24	-0.65	-0.75	-0.74
BU141574	GM06493p	-1.17	-0.37	-1.09	-0.49	0.37	-0.98	-0.70	-0.47
BU243138	GH11824p	-0.38	-1.16	-1.85	-1.44	0.48	-0.82	-0.57	-0.97
BU270903	GH04120	-1.30	-1.60	-2.62	-0.60	-1.18	-0.38	0.30	-0.14
BU279986	GH02974	0.19	-0.41	0.10	0.34	-1.53	0.90	1.02	0.79
BU410172	germin-like protein	0.88	1.09	1.73	-0.04	-1.42	1.98	0.43	0.78
BU399744	GAP SH3-domain binding protein 1(G3BP-1)	0.96	1.12	1.52	0.03	-2.10	1.72	-0.02	0.98
BG625628	gag protein	-0.94	-2.56	-3.29	-4.18	0.83	0.89	-0.86	0.21
AI980370	G0S2-like protein	1.17	0.06	-0.12	-1.03	0.09	-0.50	-0.79	-0.34
BU327833	FLJ11082-like protein	-1.25	-1.69	-1.47	-0.21	0.86	-0.27	-0.06	-0.37
BU473007	fibrinogen silencer binding protein	1.30	0.65	1.01	-0.24	-1.32	0.32	-0.17	0.11
BU307428	farnesoid X receptor	-1.45	-0.81	-1.59	-0.04	-1.28	-0.56	0.24	-0.05
BU354003	far upstream element (FUSE) binding protein 1	0.23	0.81	1.50	-0.05	-0.92	1.43	0.07	0.42
BU329624	Exportin(tRNA)	0.21	0.29	1.31	0.19	-2.45	2.00	0.07	0.51
BU132612	erythrocyte membrane glycoprotein Rh50	1.01	-0.76	-0.05	-1.13	0.01	-0.69	-0.78	-0.72
BU223476	ER-resident protein ERdj5	-0.21	-0.27	1.62	0.20	-0.46	2.10	0.11	0.00
BU381763	eRF1	1.72	1.41	2.51	0.41	-0.80	1.55	0.54	0.98
BU237107	Epn2 protein	1.16	1.00	0.34	0.40	0.43	0.12	0.23	-0.19
BU246177	epithelial microtubule-associated protein	-1.31	-1.74	-1.71	-0.06	0.30	-0.07	-0.09	-0.04
BU435606	ephrin-B2 precursor	0.04	-0.02	0.50	-0.11	-1.06	1.24	-0.02	0.27
BU307459	envoplakin	-1.83	-1.57	-2.18	-0.94	-1.34	-1.11	-0.40	-0.32
BU405093	env polyprotein	-0.57	-0.43	-1.80	-1.09	1.47	-0.32	-0.78	-0.92
BE139747	ENV polyprotein	0.35	-4.45	-2.16	-5.70	-0.22	-0.61	-0.86	-0.18
BE139876	ENV polyprotein	0.26	-4.43	-2.53	-6.07	-0.43	-0.76	-1.08	-0.35
AJ456383	endothelin converting enzyme-1	-0.60	-1.27	-1.28	-0.86	0.16	-0.63	-0.47	-0.74
BU229678	Elongation of very long chain fatty acids 4 protein	-0.78	-0.66	-1.26	-1.04	0.06	-0.80	-0.88	-0.60
BU386905	Dvl-binding protein IDAX	-1.20	-1.31	-2.13	-0.58	0.59	-1.06	-0.51	-0.70
BU344983	doublesex and mab-3 related transcription factor 2	-1.03	-1.12	-1.45	-0.53	-0.85	-0.72	-0.12	-0.41
AI980356	Dnm1p/Vps1p-like protein	1.30	0.27	1.00	0.27	-1.23	0.51	0.47	0.32
BU463511	Dihydropyrimidinase related protein-1 (DRP-1) (Collapsin response mediator protein 1) (CRMP-1)	1.10	-0.28	-0.19	-1.38	-0.48	-0.30	-0.47	-0.44
BU374186	Dermal papilla derived protein 7 homolog	-0.84	-1.03	-1.50	-0.28	-1.14	0.10	0.33	-0.01
BU461532	D430018P08 protein	0.25	0.23	1.41	-0.20	0.32	1.78	-0.19	-0.03
BU242831	cytoplasmic dynein heavy chain	-0.65	-0.85	-1.52	1.06	0.59	0.44	0.89	1.12
BU294453	Cytohesin 4	1.81	1.70	1.54	0.58	-0.72	0.07	-0.20	0.35
BU436784	cysteine-rich motorneuron 1	0.16	0.20	-0.11	-0.53	-1.14	1.09	-0.10	0.11
BU251989	cypher2s	-1.62	-1.92	-1.71	-3.12	-0.65	-0.85	-0.81	0.06
BE139910	c-myb protein	-0.63	-1.35	-1.49	-0.34	-1.65	-0.66	-0.46	-0.56
BU406603	CLLL6 protein	0.53	0.34	1.09	0.43	-1.12	0.25	0.26	0.25
BU489375	cisplatin resistance-associated overexpressed protein	0.42	1.12	1.16	0.98	-0.33	0.83	0.72	0.95
BU322829	chromatin remodeling factor WCRF180	1.49	1.73	0.80	0.72	-0.18	0.09	0.03	0.79
BU425455	Chondroadherin (Cartilage leucine-rich protein)	0.53	-0.21	-1.58	-1.41	-1.55	0.38	0.54	0.33
BU434066	chloride intracellular channel 2	0.77	1.49	1.87	0.42	-1.53	0.71	-0.07	0.89
BU112075	chicken retrotransposon ART-CH	-1.54	-1.20	-2.78	-0.80	0.02	0.01	-0.17	0.16
BU209668	Chain A, Hincii Bound To Cognate Dna	-2.14	-3.00	-5.69	-2.29	-0.13	0.11	0.24	-0.15
BU355263	CG9595-PA	-1.07	-1.69	-1.93	-0.60	0.25	-0.39	-0.14	-0.25
BU379792	CG9346-PA	0.50	0.79	1.45	0.50	-0.38	1.29	-0.09	-0.08
BU388178	CG8968-PA	-0.68	-1.66	-1.14	-0.30	0.57	-0.32	0.11	-0.28
BU467868	CG1869-PA	0.79	0.86	1.50	0.33	-2.12	0.93	0.66	0.81
BU217171	CG18023-PA	-0.69	-1.09	-1.59	-0.84	-0.87	-0.27	0.06	-0.07
BU226382	CG1116-PA	0.81	0.55	1.41	0.04	-0.88	1.24	0.19	0.01
BU462027	centrosomal colon cancer autoantigen protein	-1.03	-1.49	-1.73	-0.56	-0.20	-0.23	0.12	-0.33
BU115552	CDA02	0.68	1.11	0.74	0.61	1.07	0.57	0.50	0.57
BU445165	cardiac muscle factor 1	-0.08	1.59	1.22	1.39	0.35	-0.07	-0.14	-0.07
BU362171	carbamate kinase	-1.06	-1.09	-1.00	-0.41	-0.39	-0.68	-0.26	-0.38
BU422433	Calcipressin 1(Oxidative-induced protein Adapt78)	1.02	0.17	0.96	-0.27	0.08	1.03	-0.13	-0.17

BF724018	Cadherin 1; Epithelial cadherin	0.49	1.71	2.46	1.56	-1.14	2.73	0.00	1.72
BU344100	C4SR protein	0.76	0.71	1.23	0.99	-0.45	1.31	0.67	1.04
BU113132	Bromodomain-containing protein 3 (RING3-like protein)	0.56	0.33	-0.31	-1.12	-1.15	-0.02	-0.29	-0.23
BU267608	Bromodomain-containing protein 1	0.08	-0.21	1.27	0.08	-0.97	1.31	-0.18	-0.02
BU488041	BRIX	1.00	0.89	1.57	0.55	-1.13	0.22	0.20	0.69
BU242857	BOVIN Antigen WC1.1	2.42	2.15	1.21	0.11	-1.45	-0.44	-0.22	-0.08
BU422562	BM-005	0.40	-0.08	1.61	0.29	-0.08	1.38	-0.04	0.02
BU106922	blood plasma glutamate carboxypeptidase; prostate-specific membrane antigen (PSMA)	-1.57	-2.20	-2.08	-2.13	-0.70	-1.09	-0.62	-0.38
BU280546	bile acid-Coenzyme A: amino acid N-acyltransferase	-1.01	-0.41	-1.05	0.00	0.04	-0.39	0.02	-0.19
BU295474	Beta-galactoside-binding lectin	-0.91	-1.46	-3.05	-1.72	0.23	-0.63	-0.72	-0.36
BG625654	Beta-adrenergic receptor kinase 2 (G-protein coupled receptor kinase 3)	1.59	1.06	1.19	1.14	0.01	0.56	0.61	0.87
AJ455178	BC042580 expressed sequence AA409318	1.18	0.37	1.04	0.45	0.75	-0.07	-0.31	0.14
BU419559	BC029736 9830131G07 protein	1.06	-0.03	-1.19	-0.88	-0.35	0.27	-0.04	0.20
BU125930	basic helix-loop-helix domain containing, class B, 3	-1.40	-0.49	-1.46	-0.39	-0.39	-0.28	-0.18	0.13
BU254799	AW496496 protein	-1.56	-0.20	-1.09	-0.81	-1.52	0.51	0.68	0.30
BU314410	AW209491	0.53	1.18	0.89	0.09	-1.11	0.73	0.22	0.20
BU248508	atrial natriuretic peptide	-0.21	0.00	0.26	-1.05	-1.68	1.18	-0.78	0.11
BU337528	ATP-dependent metalloprotease YME1L	0.82	0.64	1.51	0.35	-0.34	1.88	0.50	0.59
BU336283	ATP(GTP)-binding protein	1.02	1.28	2.05	0.93	-0.10	1.31	0.57	0.36
BU420277	ATP synthase B' chain	0.88	0.70	1.20	-0.07	-1.75	0.40	0.13	0.83
BU204839	AT3g60070/T2O9_50	-1.29	-1.04	-1.51	-0.87	-0.21	-1.01	-0.54	-0.44
AJ456685	AT3g58470/F14P22_60	-0.60	-1.15	-0.37	0.32	1.68	0.17	0.15	-0.26
BU358920	artemis protein	-0.75	-0.77	-1.00	0.01	1.25	-0.43	-0.32	-0.16
AW773182	anthracycline-associated resistance ARX	1.62	0.82	1.31	0.05	-1.20	0.24	0.10	-0.07
BU388561	Ankyrin repeat domain protein 5	-0.95	-1.79	-2.31	-0.75	0.29	-0.09	-0.13	-0.51
BU293377	Angrem46	-1.17	-1.00	-1.24	-0.56	-0.65	-1.32	-0.83	-0.86
BU385609	Angiotensinase C (Lysosomal carboxypeptidase C)	0.76	1.36	0.34	0.13	1.23	-0.67	-0.51	-0.63
BU452211	alpha-actinin associated LIM protein	0.24	0.15	-0.68	-1.68	-1.89	-0.52	-0.07	0.23
AI981175	alpha1-acid glycoprotein	-0.25	0.14	-0.99	-0.46	0.02	-1.14	-0.85	-1.13
BU354524	alpha tectorin	0.10	0.15	-1.33	-0.60	-1.60	0.21	0.05	0.29
BU455385	ALFY	0.47	1.00	0.86	0.62	1.10	-0.15	-0.28	0.35
BU252739	AI648807 protein	0.76	1.08	1.71	0.47	-1.14	1.22	0.54	0.56
BG625074	AF261137 HT031	1.72	1.35	0.90	0.88	0.65	0.61	0.72	0.27
AI982246	AF120211 protein A1	2.02	1.27	1.83	0.17	-0.18	0.35	-0.16	-0.02
BU458805	AD24	0.25	0.36	1.28	-0.03	-0.06	1.03	-0.17	0.31
BU249550	acyl-peptide hydrolase	-1.14	-0.31	-1.15	0.03	-1.48	-0.57	-0.41	-0.18
BU405246	AB050448 ORF3	1.16	1.02	1.51	0.53	-0.88	1.18	1.09	1.24
BU204801	AAF44869	0.08	0.51	1.04	0.07	1.10	0.47	-0.29	-0.16
BU295789	AA650895	-1.41	-1.04	-1.29	-0.50	0.02	-0.94	-0.64	-0.64
BU445825	A disintegrin and metalloproteinase with thrombospondin motifs 9) (ADAM-TS 9)	-1.00	-0.41	-1.08	-0.43	0.31	-0.90	-0.54	-0.41
BU295361	A disintegrin and metalloproteinase with thrombospondin motifs 18) (ADAM-TS 18)	-0.20	-1.03	-1.05	-0.62	0.50	-0.24	-0.08	-0.19
BU267799	60S ribosomal protein L38	-0.49	-0.54	-1.08	-0.30	-0.90	-1.02	-0.46	-0.26
BU369523	60S ribosomal protein L21	-1.05	-0.83	-1.12	-0.39	0.33	-0.97	-0.81	-0.45
BG625675	5-carboxymethyl-2-hydroxymuconic acid isomerase	-0.40	-0.58	-1.12	-0.87	-1.26	-0.78	-0.50	-0.54
BF845756	40S ribosomal protein S7	0.16	1.58	2.05	1.53	-0.48	2.08	-0.16	1.55
BU410124	25 kDa trypsin inhibitor	1.18	0.72	0.01	-0.57	0.58	0.34	0.31	1.09
BU131652	14K beta-galactoside-binding lectin	0.94	0.40	0.08	-0.21	-1.81	-1.03	-0.81	-0.76
BU110983	(Pre-mRNA splicing factor SRP20	0.86	1.28	1.56	0.53	-0.28	0.71	0.27	0.42
BU460486	zona pellucida B protein	-0.67	-0.79	-1.05	0.00	1.29	0.08	0.23	0.08
BU280372	ydfB	-0.80	-1.07	-1.83	-0.57	0.13	0.20	0.09	-0.33
AI980142	Wpkci	-0.62	-0.03	-2.14	-1.94	0.90	0.05	-1.45	-1.12
BU346446	WDR9 protein	0.95	1.39	1.19	0.73	-0.88	0.88	0.66	0.78
BU450635	WDR10p-L	-1.56	-1.20	-1.56	-0.27	-2.19	-0.25	0.16	0.16
BU454370	WD repeat endosomal protein	0.69	0.44	1.80	0.33	-0.66	1.86	0.36	0.29
BU144271	vimentin	0.90	0.51	-0.21	-1.06	-1.24	-0.39	-0.13	-0.23
BU425330	very large inducible GTPase-1	4.34	2.41	3.14	0.44	0.29	-0.12	-0.28	-0.45
BU456315	vanin-1	1.35	1.37	1.46	0.89	-1.66	1.16	0.59	0.80
BU265136	Vacuolar protein sorting 35	0.91	0.94	1.87	0.34	-0.56	1.64	0.23	0.47

BU418915	Unc119c	-1.38	-0.91	-1.29	-0.84	-1.24	-0.13	0.06	-0.04
BU127339	UL36 protein	0.27	0.56	1.54	0.11	0.03	1.11	0.05	0.30
BU438739	UG0751c10	0.03	-0.02	-0.30	-1.71	-1.51	0.58	0.37	0.81
AW773122	tumor susceptibility protein 101	1.82	1.17	0.56	-0.27	-0.20	-0.42	-0.08	-0.19
BU247854	tumor suppressor LUCA15	-1.07	-0.77	-1.63	-0.92	0.33	-0.97	-0.62	-0.75
BU364566	Tumor differentially expressed protein 1	0.73	1.05	1.54	0.61	-2.03	1.44	1.10	1.07
BU311077	Tuftelin	0.58	1.11	-0.33	0.09	-1.21	0.32	0.18	0.61
BU322944	tubulin-specific chaperone d	-1.52	-0.84	-1.39	-0.19	-0.23	-0.55	-0.29	-0.13
BU468890	Trifunctional enzyme beta subunit	-1.22	-0.54	-0.80	-0.54	1.07	-0.55	-0.37	-0.44
BG625520	transmembrane protein 2	0.85	1.06	1.26	0.61	1.18	0.03	0.21	0.15
BU303842	Transitional endoplasmic reticulum ATPase (TER ATPase)	1.30	1.54	1.15	0.36	-0.21	0.89	-0.19	0.98
BU448329	TNF-related apoptosis inducing ligand	-0.37	-0.51	-1.15	-0.49	-1.25	-0.61	-0.45	-0.46
BU376769	Tm7sf1 protein	2.23	0.62	0.65	0.34	1.38	0.82	0.74	0.56
AI979954	Tm7sf1 protein	1.20	0.04	0.09	-0.02	1.26	0.27	0.13	0.06
BU308275	TLS-associated protein TASR-2	0.35	1.13	0.87	1.08	0.42	0.84	0.78	0.80
BU222951	thyroid receptor interactor	-1.54	-1.17	-1.45	-0.70	-0.97	-0.74	-0.51	-0.54
BU252874	Threonine synthase(TS)	-1.06	-0.74	-1.85	-0.21	-1.19	0.08	0.26	0.04
AI980616	Thiosulfate sulfurtransferase(Rhodanese)	-1.01	-1.08	-1.17	0.15	0.25	-0.20	0.10	-0.16
BU377508	tetratricopeptide repeat-containing protein	-1.22	-1.19	-1.25	0.42	-0.03	0.02	0.36	-0.02
BU242971	Tetratricopeptide repeat protein 4 (My044 protein)	-0.52	-1.27	-3.68	-2.06	-3.27	-0.29	-0.14	-0.22
BG625130	testis-specific receptor 2-like protein TRR	0.22	-1.04	1.10	-0.38	0.70	0.04	0.94	0.04
BU289443	tektin A1	-1.47	-2.70	-4.14	-0.26	0.26	-0.11	0.15	-0.17
AJ455199	Structure-specific recognition protein 1 (SSRP1)	-1.00	-0.95	-1.19	0.18	0.81	-0.27	0.31	-0.45
BU201697	stretch response protein 553	-0.36	-0.52	-0.91	-2.44	-1.32	-0.24	0.13	0.54
BU204441	SR-related CTD associated factor 6	-1.24	-0.96	-1.08	-0.79	-0.64	-1.07	-0.74	-0.73
BU388913	spermatid perinuclear RNA-binding protein	0.19	0.23	1.15	0.10	-0.66	1.04	-0.07	0.10
BU401260	Spastin	0.60	1.35	1.17	0.29	-0.71	0.48	0.07	0.26
BU486695	SMAP-4	0.81	1.08	1.21	0.53	0.79	0.59	0.09	0.32
BU118785	Secretogranin I (Chromogranin B)	0.38	-1.24	-2.40	-3.13	0.10	-1.31	-0.83	-0.56
BU287012	SEC10-like 1	0.92	0.26	1.68	0.20	-0.25	2.04	0.41	0.15
BU374601	scotin	3.19	2.45	2.76	1.27	2.01	0.81	0.35	1.19
BU109808	SCC-112	0.14	0.30	1.21	-0.16	-2.10	1.15	-0.33	-0.19
BU249559	SAM-domain protein SAMSN-1	1.86	1.61	2.47	0.75	0.78	0.30	-0.21	0.67
BU231707	RNA-binding protein EWS (EWS oncogene)	0.34	1.28	0.09	0.45	-1.73	-0.06	-0.63	0.54
BE139774	RNA splicing-related protein	0.41	0.53	1.31	0.56	-0.29	1.30	0.22	0.56
BU384561	ribosomal protein L34	-1.36	-1.19	-1.30	-0.50	-0.11	-1.07	-0.73	-0.71
BU291292	Ribonuclease homolog (RSFR)	3.43	3.63	2.27	1.81	0.70	0.06	0.41	0.41
AI981081	Ribonuclease homolog (RSFR)	3.35	3.24	2.76	1.92	-0.05	0.32	0.45	0.34
BU245445	retinal short chain dehydrogenase reductase	0.79	0.10	0.39	-0.50	-1.95	1.30	0.11	0.40
BU338028	Regulator of G-protein signaling 20 (RGS20)	-0.06	0.47	1.67	0.55	1.71	-0.06	-0.07	0.48
BE139770	regulator of chromatin	0.19	0.97	1.87	1.07	-1.42	2.42	0.81	1.38
BU313654	regucalcin	-1.34	-0.67	-1.69	-0.32	0.49	-0.67	-0.29	0.20
BU202829	receptor kinase I-interacting protein SIP	-1.25	0.03	-1.44	-0.52	0.27	-0.87	-0.57	-0.30
AI980929	quiescence-specific protein	2.73	3.07	2.41	2.34	0.47	0.22	-0.02	0.38
BU313645	puromycin-sensitive aminopeptidase	-0.51	0.64	0.66	0.52	-2.68	0.71	-0.32	1.17
BU213224	PTD008 protein	-1.06	-0.34	-1.18	0.21	-0.58	-0.97	-0.60	-0.62
BU274612	Protein-tyrosine phosphatase corkscrew	0.45	0.50	0.76	-0.26	-1.76	1.13	-0.39	0.39
AI979785	protein-tyrosine kinasefyn	1.47	1.09	1.40	0.55	0.47	0.58	0.41	0.48
BU124683	Protein-glutamine glutamyltransferase E	-0.35	-1.00	-0.21	-0.18	1.34	0.01	-0.03	0.16
BU105361	protein-100	0.08	1.82	1.83	1.22	-0.24	0.41	0.21	0.32
BU370504	protein kinase NYD-SP5	-0.81	-3.12	-3.25	-0.34	0.16	0.01	0.46	-0.18
BU247381	Protein FAM13A1 (Precm1 protein)	-0.33	-1.46	-1.99	-1.58	0.48	-0.70	-0.09	-0.42
BU412099	protein band 4.1-like protein 4	-0.85	-1.31	-1.70	-2.25	-0.12	-0.58	-0.60	-0.29
BU383474	protein A1	1.77	1.66	2.28	0.84	0.72	0.51	-0.42	0.01
BU437580	proline rich protein	0.32	0.83	2.36	-0.01	-0.65	1.82	-0.27	-0.10
BU294989	pre-B cell enhancing factor	2.48	1.18	1.32	-0.17	1.02	0.26	0.29	0.17
BU447879	porimin	2.49	1.16	2.46	0.38	-0.77	1.78	0.83	0.31
BU455249	polysialyltransferase	1.72	1.51	1.63	0.63	-0.72	-0.06	0.06	0.13
AJ445713	polypyrimidine tract-binding protein PTB-1	1.12	0.48	0.59	0.19	1.15	0.19	0.28	0.20
AA495710	pleckstrin	1.07	0.92	1.22	0.22	0.70	0.00	-0.07	0.08
AI979746	Plasma retinol-binding protein (PRBP)	0.86	-0.07	0.12	1.04	1.90	0.05	0.38	0.28
BU259716	PKY protein kinase	0.53	-0.16	1.19	-0.05	-0.53	2.00	0.34	0.33

BU242983	PKC-regulated kinase PKK	-1.05	-1.05	-0.93	0.04	0.24	-0.59	-0.36	-0.58
BU457321	PiUS	1.62	0.51	1.04	-0.02	-1.24	1.06	0.35	0.95
BU415405	pigment epithelial-differentiating factor	0.14	-0.74	-1.20	-1.27	-1.41	-0.69	-0.50	-0.44
BU341633	phosphotyrosyl phosphatase	-1.04	-0.87	-1.11	0.65	0.75	0.14	-0.34	0.13
BU437321	phospholipase C-like 2	-1.10	-1.43	-1.29	-0.95	0.35	-0.51	-0.78	-0.71
BU289679	phosphatidylinositol 3-kinas	0.85	0.57	1.07	0.28	-1.02	0.45	0.19	0.15
BU288255	PF20 variant 1a	-0.66	-1.10	-1.18	0.40	-2.15	0.84	0.67	1.07
BU243069	Paired basic amino acid cleaving enzyme 4	-1.08	-0.20	-1.31	-0.21	-1.35	-0.48	0.12	0.05
BU202917	PACRG	-2.16	-3.20	-5.42	-1.11	-0.12	-0.31	-0.33	0.13
BU288160	p48	0.40	0.64	1.24	0.35	-0.54	1.14	0.12	0.26
BU322600	p40	-1.19	-0.73	-1.34	-0.38	-0.65	-0.76	-0.43	-0.21
BU278258	P0504D03.17	-0.45	-0.57	-1.06	-0.62	1.23	-0.58	-0.17	0.03
BU423531	oxidored-nitro domain-containing protein	-0.81	-0.78	-1.85	0.54	1.03	-0.17	0.13	0.05
BU280929	oxidored-nitro domain-containing protein	-1.06	-0.57	-2.40	0.11	-0.03	-0.04	0.17	0.27
AI980545	Ovoinhibitor	-0.32	-0.98	-1.82	-0.99	-1.38	-0.21	-0.13	-0.04
BG625306	osteopontin	2.39	0.66	0.97	-1.12	0.31	-0.76	-0.60	0.25
BU138020	osteoblast 6D12C protein	-1.94	-2.11	-1.10	-1.22	-1.18	-0.59	-0.79	-0.89
AJ392337	origin recognition complex subunit 1	1.14	1.27	1.91	1.02	0.58	0.09	0.18	0.19
BU229185	oocyte-specific protein P100	1.78	1.07	0.67	0.08	-0.34	-0.57	-0.48	-0.05
BU403351	O-methyltransferase	0.27	-0.34	-1.04	-1.21	-0.55	-0.73	-0.18	-0.57
BG625099	olfactory receptor protein	3.24	2.93	2.37	1.74	0.94	0.48	0.55	0.49
BU295742	OCTN1	-1.00	-1.02	-1.17	-1.10	0.97	-0.78	-0.62	-0.48
BU416483	NY-REN-41 antigen	-1.40	-1.90	-2.38	-0.31	-0.71	-0.68	-0.25	-0.36
BU133629	nucleolar RNA-associated protein alpha	0.65	1.02	0.56	0.33	-1.06	-0.31	-0.28	0.73
BU252755	nucleolar protein ANKT	0.13	1.25	1.68	1.06	0.03	0.24	0.12	0.21
BG625527	Niban-like protein	1.06	0.35	1.04	0.07	-0.26	-0.12	-0.12	-0.31
BU412534	N-acetylglucosamine-6-sulfatase (G6S)	2.14	1.20	1.08	0.35	-0.11	0.14	0.27	0.03
BU250490	myocyte inner nuclear membrane protein	-0.66	-0.91	-1.51	-1.11	0.52	-0.45	0.18	0.24
BU322962	Myeloid leukemia factor 1	-0.75	-0.90	-2.35	-0.23	-1.70	-0.11	0.16	-0.29
BU457953	Mx	4.20	2.02	1.43	0.17	-0.42	0.04	0.73	-0.77
BU407723	Mosaic protein LGN	-1.70	-0.79	-1.72	-0.23	0.02	-0.44	-0.42	-0.49
BE140041	moesin	1.05	0.72	0.74	-0.35	-1.39	-0.10	-0.27	-0.12
AW773274	moesin	1.54	1.22	0.63	-0.25	-1.18	-0.19	-0.13	0.02
BF724022	moesin	1.30	0.94	1.09	-0.22	-1.54	0.09	-0.13	-0.08
BE139809	moesin	1.40	0.94	0.89	-0.25	-1.84	0.07	-0.06	0.06
AW773111	moesin	1.81	1.09	1.19	0.20	-1.39	0.32	0.39	0.53
BU461717	MLL5	-1.38	-1.22	-1.99	-1.30	-0.56	-1.19	-0.74	-1.13
BU212812	mKIAA0473 protein	1.09	-0.51	-0.64	-1.09	-0.45	-0.54	-0.51	-0.53
BU407254	mitochondrial ribosomal protein L37	-1.23	-0.20	-1.08	-0.08	0.01	-0.34	-0.26	-0.25
BU208731	mitochondrial ribosomal protein L10	-1.30	-1.56	-2.13	-1.62	-0.27	-0.15	-0.02	-0.32
BU240885	membrane-bound aminopeptidase P	-0.71	-1.10	-1.82	-0.38	0.35	-0.02	0.33	0.04
BU448724	membrane-associated protein MAP17	-1.00	-1.22	-1.76	-1.23	0.48	-0.68	-0.26	-0.50
BU452684	Meiosis expressed protein 1	-0.90	-1.57	-2.26	0.55	0.57	-0.50	0.10	-0.31
BU239299	MDS022	1.67	0.16	0.02	-0.43	1.33	-0.24	-0.08	-0.12
BU220592	mDia interacting protein-1	-0.78	-1.09	-1.01	-0.37	0.52	-0.34	-0.39	-0.51
BU250393	MDC-3.13 isoform 2	-0.41	1.41	1.03	1.08	0.13	-0.16	0.00	0.27
BU383528	mammalian ependymin related protein-2	-0.76	-0.82	-1.45	-1.60	0.25	-0.52	-0.80	-0.36
BU382793	Lzf-pending protein	-1.02	-0.75	-1.47	-0.60	0.67	-0.61	-0.08	0.03
AI980092	Lysozyme C	-0.61	-1.37	-2.46	-1.47	-1.11	-0.80	-0.54	-0.05
BU269925	Ly-6 antigen/uPA receptor-like domain-containing protein	-1.61	-1.54	-1.87	-1.11	-0.14	-0.33	-0.17	-0.43
BU200487	lung seven transmembrane receptor 1	0.61	0.54	1.20	-0.20	-1.19	1.04	0.05	0.36
BU259674	LP10549p	-1.04	-0.73	-1.02	-0.03	-0.08	-0.67	-0.14	-0.10
BU438909	LOC270153 protein	0.99	1.17	2.00	1.76	0.68	0.28	0.47	0.84
BU105057	LIS1-interacting protein NUDE1	0.99	1.13	1.03	-0.02	-0.72	-0.15	-0.37	-0.02
AI982243	LIM domain only 4 protein	-1.01	-1.12	-1.19	-0.59	-0.52	-0.58	-0.63	-0.56
BU437686	laforin	-0.69	-0.47	-1.12	-1.35	-1.52	-0.33	-0.53	0.07
BU247036	KPL2	-1.21	-1.50	-2.36	0.21	0.08	-0.49	-0.11	-0.20
BU217369	kinase related protein	-0.11	-0.56	-1.43	-1.29	0.07	-0.39	0.08	-0.10
BU405149	JKTBP	-0.03	1.18	1.27	0.74	-0.70	0.16	0.06	0.71
BU246607	IP63 protein	-1.05	-1.49	-1.07	-0.08	-1.45	0.65	0.36	0.53
BU128229	intersectin long isoform	0.64	0.85	1.03	-0.28	-1.27	0.63	-0.25	0.04
BG625387	interleukin-1beta	3.43	2.45	1.09	0.58	0.56	1.34	0.75	0.68

BU254526	integral membrane serine protease Sepsase	1.13	0.84	1.42	-0.23	-1.17	1.79	0.58	0.22
BF723782	Integral membrane glycoprotein gp210	0.48	1.05	1.50	0.47	0.54	0.88	0.24	0.55
BG625098	inducible transcription factor Egr-1	1.09	-0.52	-0.93	-0.77	0.65	1.15	-1.28	0.13
BU403367	Ierepo4-pending protein	-0.88	-1.32	-1.80	-1.15	0.78	-0.58	-0.61	-0.47
BU128901	hypothalamus protein HT002	-1.03	-1.95	-0.41	-0.14	0.99	-0.16	0.07	-0.41
BU327624	HPV16 E1 protein binding protein	-0.25	1.17	0.89	0.65	1.32	-0.37	-0.21	-0.23
BU324648	HP protein	-0.04	-0.30	1.16	-0.04	-1.21	1.13	-0.12	-0.06
BU213897	homer-1b	-0.55	-0.83	-1.56	-1.51	-0.09	-0.46	-0.15	-0.29
BU134927	Homeotic Ultrabithorax protein	-1.13	-0.48	-1.03	0.23	-0.90	-0.28	-0.08	-0.08
BU400453	Homeobox protein Hox-D13 (Hox-4I)	0.28	0.92	1.20	0.10	-2.40	0.61	-0.09	0.66
AW773177	H-l(3)mbt-like protein	-1.24	-0.15	-1.72	-0.36	0.01	-0.82	-0.57	-0.37
BU285935	histidine triad protein member 5	-1.63	-0.96	-2.15	-1.02	-1.83	-1.16	-0.63	-0.42
BU463884	heterochromatin-associated protein MENT	3.19	2.53	1.95	-0.20	-0.05	0.10	-0.04	0.89
BG625247	heterochromatin-associated protein MENT	4.01	3.48	2.85	0.14	1.32	0.30	0.25	0.84
BU455732	Hepatocyte nuclear factor 1a	-1.60	-0.95	-1.61	0.00	0.59	-0.80	-0.48	-0.36
BU250264	hemoglobin beta chain	0.23	-1.61	-1.44	-2.29	-0.87	-1.61	-1.81	-1.07
BG625455	hemoglobin beta chain	0.18	-2.15	-1.46	-2.62	-1.16	-1.83	-2.37	-1.19
BU286176	heart/fetal otoferlin	-0.91	-2.11	-2.61	-1.97	-0.21	-1.23	-1.09	-0.96
BU315919	HBS1-like protein	0.14	0.09	1.01	0.02	-0.03	1.19	0.19	0.39
BU120659	harmonin isoform a1	-0.54	-0.84	-1.41	-0.24	1.58	-0.02	0.27	0.31
AI980812	guanylate binding protein	2.03	1.04	1.08	0.09	-0.18	-0.29	-0.39	-0.43
BU345438	Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 1	1.77	0.92	1.72	0.05	-1.21	1.78	0.41	0.43
BU248114	G-patch domain containing protein	-0.27	0.13	1.15	0.05	-1.17	0.69	-0.34	-0.17
BU225914	gp121	-1.78	-2.46	-3.26	-0.34	-0.08	-0.26	-0.15	-0.32
BU298713	glia maturation factor beta	1.22	1.04	1.35	0.83	0.71	0.89	0.33	0.49
BU369388	GH26207p	-1.49	-1.75	-2.22	-0.78	-0.02	-0.32	-0.11	-0.35
BU290384	GH04176p	-1.54	-1.43	-2.91	-0.18	-0.68	-0.11	0.26	0.11
BG625245	Geranylgeranyl transferase type II beta subunit	1.00	0.65	1.23	0.44	1.01	0.85	0.61	0.30
BU425821	GCN5-like protein	0.46	0.69	1.13	0.25	-1.11	0.73	0.11	0.44
BU212596	GalNAc-4-sulfotransferase 2	-1.12	-2.37	-2.86	-1.05	0.04	0.20	0.21	-0.67
AW773311	gag protein	0.40	0.38	1.32	0.37	-2.43	0.78	0.31	0.88
BU130241	GA binding protein alpha chain (GABP)	0.58	0.61	1.89	0.19	-0.12	1.62	0.05	0.12
BU264286	G protein-coupled receptor PGR4	-0.01	-0.31	-1.00	-0.39	-1.03	0.77	0.29	0.22
BU375773	G protein-coupled receptor 56	0.08	-0.43	-1.58	-1.10	-1.50	-0.41	-0.04	-0.03
BU366331	G protein-coupled receptor	1.46	1.70	2.64	1.13	0.87	0.35	0.25	0.67
BU225634	FUSE binding protein 3	0.54	0.79	0.49	0.45	-1.43	0.96	0.96	1.21
BU398848	fragile-X-related protein 1 isoform b	0.08	-0.16	1.67	-0.20	-1.45	1.76	0.14	0.26
BU139442	foocen-s	-1.59	-0.95	-1.81	-1.37	-0.46	-1.20	-1.23	-0.71
BU321187	FN5 protein	-1.48	-2.31	-2.73	-1.26	-1.06	-1.25	-0.58	-1.01
BU425787	FIP1 protein	0.30	0.59	1.27	0.36	-1.43	0.69	0.25	0.45
BU321641	fibroblast growth factor-binding protein	1.46	0.12	-0.12	-0.54	-1.17	0.66	0.21	0.35
BU254111	Fibrillarin (34 kDa nucleolar scleroderma antigen)	-1.02	-1.14	-0.15	0.03	0.35	-0.43	-0.23	-0.38
BU243927	fatty acid hydroxylase	-1.70	-1.94	-3.17	-0.91	-1.42	-0.01	0.42	0.03
AW773113	F5D14.3 protein	1.12	0.76	1.82	0.22	-1.38	1.16	0.40	0.72
BU245618	extra large alpha stimulating guanine-nucleotide binding polypeptide	0.15	1.20	1.11	0.66	-1.08	1.81	-0.01	0.49
BU265772	exonuclease 1	0.30	1.18	1.33	0.66	1.12	-0.04	0.14	-0.26
AJ398033	EVI2A protein (Ecotropic viral integration site 2A protein)	2.36	1.19	1.96	1.12	1.41	0.49	0.67	0.55
BU362271	EVG1	-1.06	-1.99	-3.08	0.40	-0.33	0.09	0.70	0.68
BU226370	Erythrocyte membrane protein band 4.2 (P4.2)	1.00	-0.44	-0.57	-1.05	0.20	-0.83	-0.86	-0.50
AI981398	envelope protein	-1.25	-1.61	-2.27	-0.54	-0.37	0.49	0.50	0.46
AJ456794	Endoplasmic (Heat shock 108 kDa protein)	1.27	-0.04	1.92	0.23	-0.15	0.63	-0.52	-0.59
BU283548	Ellis-van Creveld syndrome protein (DWF-1)	-0.99	-1.25	-1.69	-0.59	0.17	-0.55	-0.17	-0.55
BU199689	EEG1L	-0.10	-1.14	-1.41	-0.86	0.03	-0.55	-0.80	-0.80
BU274473	dynein 2 light intermediate chain	-1.22	-1.86	-1.72	0.26	1.23	-0.42	-0.07	-0.63
BU228189	dynammin-like protein	-0.86	-0.71	-1.41	-1.01	-0.50	-0.73	-0.37	-0.33
BU366207	Dual specificity protein phosphatase 15	-0.36	-1.17	-2.29	-0.29	0.37	-0.27	0.26	0.47
BU323882	Dual specificity protein kinase TTK(PYT)	0.16	2.17	1.78	1.37	0.85	0.19	0.01	0.13
BU356732	DRAPC1	-1.63	-0.91	-2.19	-0.98	-0.67	-0.45	-0.23	-0.21
BU383782	Dp71 protein	-1.74	-1.55	-2.31	-1.79	-1.40	-1.00	-0.67	-0.57
BG625581	dodecenoyl-CoA delta-isomerase	-0.26	-1.05	-1.02	-0.20	0.24	-0.02	0.00	-0.12
BU294709	D-erythrose reductase	-1.74	-1.06	-2.10	-0.44	0.74	-0.63	-0.38	-0.23
BU451106	Defender against cell death 1 (DAD-1)	-0.91	-1.03	-1.38	-0.27	1.14	-1.12	-0.35	-0.75

BU374539	DEC-205	-1.15	-1.29	-0.99	-0.08	0.31	-0.60	-0.16	-0.87
BU260257	DAZ-associated protein 1	0.92	1.53	0.38	1.01	0.68	0.52	-0.20	0.64
BU288062	cytomegalovirus partial fusion receptor	0.86	0.37	1.40	0.21	0.47	1.43	0.54	0.30
BU211078	cysteine conjugate beta-lyase	-1.13	-1.63	-0.80	-0.33	0.06	0.06	0.08	-0.41
BU326323	CTD-binding SR-like protein RA4	0.22	1.24	1.39	0.74	-0.45	0.31	0.28	0.50
BU223275	CTCL tumor antigen se20-10	0.01	2.49	1.79	1.10	0.68	0.32	-0.22	0.04
BU139747	CTCL tumor antigen HD-CL-04	-0.65	-1.27	-0.41	-0.60	-1.09	0.38	0.30	0.10
BU341886	crystallin, lamda 1	-0.04	0.25	1.48	-0.09	-0.78	2.26	0.04	0.20
BU250020	c-myb protein	-0.31	-1.42	-1.07	-0.07	-1.52	-0.46	-0.12	-0.46
BU355410	c-Mpl binding protein	0.40	-0.21	1.43	0.18	-0.53	1.59	0.34	0.33
BU262455	cisplatin(CDDP) resistance related protein CRR9	0.19	0.06	1.13	0.02	-0.34	1.69	0.16	0.22
BU316572	cis Golgi-localized calcium-binding protein	-0.76	0.29	-1.19	-0.24	-1.19	-0.32	-0.26	0.02
BU410181	chondromodulin-I	0.58	-0.30	-2.21	-2.26	-1.24	-0.71	-0.46	-0.48
BU374385	CG9153-PA	4.08	2.20	1.62	-0.02	1.06	-0.25	0.64	-0.82
BU378217	CG1544-PA	-1.17	-0.87	-1.60	0.24	0.44	-0.57	-0.15	-0.50
BG625163	CG13214-PA	-0.11	0.57	-0.61	1.00	-2.16	0.17	-0.12	-0.23
BU363842	CG12178-PA	-0.15	-0.85	1.03	-0.09	0.17	1.20	-0.26	-0.13
BU368604	CG11859-PA	0.59	0.53	1.67	0.33	-1.37	0.94	0.39	0.90
BU452818	CG10663-PA	1.22	0.88	0.98	0.65	-1.76	0.88	0.39	0.58
BU334351	centriole associated protein CEP110	-1.07	-1.17	-1.62	-0.41	-0.86	-0.75	-0.21	-0.24
BU481823	CEGPI protein	-0.50	-1.26	-1.52	-0.36	1.47	0.31	0.39	0.04
AW773304	Cenk protein	-0.72	-0.06	-1.22	-0.92	0.02	-1.04	-0.54	-0.80
BU214157	cardiac leiomodin	-1.00	-1.00	-1.19	-1.86	-0.88	-0.95	-0.52	-0.88
BU129634	capillary morphogenesis protein-1	-1.35	-1.17	-1.15	-0.38	-0.99	-0.01	-0.24	0.26
BU261787	Calcium-binding mitochondrial carrier protein Aralar1	0.39	-0.21	1.42	0.22	-0.32	1.17	0.06	0.25
BU389210	bx24	0.85	0.85	1.97	0.47	-1.15	0.50	0.07	0.57
BU379992	b-tomосyn	2.09	1.69	1.50	0.58	1.24	0.36	0.13	0.68
BU109430	bromodomain containing protein	0.66	0.75	1.25	0.30	-1.11	0.72	0.38	0.74
BU236551	Bone morphogenetic protein 3b (Bone inducing protein) (BIP)	-0.43	0.21	-1.06	-1.15	-0.64	-0.26	-0.03	-0.37
BU443629	bone marrow protein BM039	0.21	0.58	1.74	0.69	0.17	1.01	0.34	0.11
BU462612	BLu protein	-0.38	-0.67	-1.39	1.14	-1.67	0.96	0.52	1.16
BE139885	BC024322 protein	-0.13	0.39	-0.59	1.05	-1.08	0.26	0.50	0.84
AI981478	BAF60b	-0.85	-0.61	-1.05	-0.01	-1.00	-0.62	-0.18	-0.37
BU390390	axonemal dynein heavy chain 9	-1.08	-1.89	-3.00	-0.68	-2.32	0.33	0.75	0.78
BU247950	Apolipoprotein B-100 (Apo B-100)	-1.58	-0.70	-0.87	-1.60	-1.23	-1.58	-1.33	-0.32
BG625525	anthracycline-associated resistance ARX	1.38	0.49	1.18	-0.19	-1.29	-0.17	-0.54	-0.48
BU234534	Amotl2 protein	0.38	0.40	-0.77	-1.11	-2.24	-0.60	-0.60	-0.58
BG625457	alternative splicing factor ASF-1	0.34	0.70	1.11	0.54	-1.13	0.56	0.44	0.82
AI979982	Alpha-2-HS-glycoprotein (Fetuin-A)	-0.71	-1.19	-1.61	-0.83	-0.18	-0.34	-0.33	-0.16
BU288498	AI648912	0.11	0.19	0.30	-0.34	-1.06	-1.15	0.00	0.03
AI980945	AF261233 protein	1.86	2.22	1.81	1.37	-0.04	0.65	0.34	0.74
BU373438	AF-17 protein	-0.74	-0.39	-1.24	-0.81	-0.75	-1.17	-0.59	-0.69
BU455504	ADP-ribosylation-like 2 binding protein	-1.10	-1.29	-1.18	0.12	0.62	-0.14	0.45	-0.32
BU329970	AD024	-0.14	1.34	0.99	1.10	1.29	-0.41	0.02	-0.13
BU239744	180 kDa secretory phospholipase A2 receptor (PLA2-R)	0.91	1.41	0.11	-0.27	1.15	-0.17	-0.13	-0.05