

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0001	-1.995	6.873	5.464e-4	1.117e-3	7	22	7.0000	24.9009	AAL94214.1  Chromosomal replication initiator protein dnaA							
					3	15	3.8437	18.3350								
FN0004	0.743	12.991	1.429e-2	6.168e-2	145	66	145.0000	74.7027	AAL94217.1  Inner membrane protein							
					69	53	88.4055	64.7838								
FN0005	0.049	11.579	1.256e-1	7.273e-1	60	41	60.0000	46.4062	AAL94218.1  Jag protein							
					41	51	52.5308	62.3391								
FN0006	-0.914	7.902	1.152e-3	2.895e-3	11	17	11.0000	19.2416	AAL94219.1  Thiophene and furan oxidation protein THDF							
					9	19	11.5312	23.2244								
FN0007	-1.690	7.762	1.687e-4	2.265e-4	10	23	10.0000	26.0328	AAL94220.1  Glucose inhibited division protein A							
					5	22	6.4062	26.8914								
FN0017						6		6.7912	AAL94230.1  Hypothetical protein							
						7		8.5563								
FN0018	-0.591	10.897	1.44e-4	1.826e-4	34	45	34.0000	50.9337	AAL94231.1  Hypothetical protein							
					29	46	37.1559	56.2274								
FN0019	0.483	4.232							AAL94232.1  Transcription-repair coupling factor							
					4	3	5.1250	3.6670								
FN0021						5		6.1117	AAL94234.1  4-diphosphocytidyl-2-C-methyl-D-erythritol kinase							
FN0022	-0.906	11.279	2.08e-3	6.345e-3	28	59	28.0000	66.7797	AAL94235.1  Hypothetical protein							
					35	57	44.8434	69.6731								
FN0023									AAL94236.1  Short-chain fatty acids transporter							
					10		12.8124									
FN0024	-1.508	11.036	3.217e-4	5.553e-4	30	75	30.0000	84.8894	AAL94237.1  Hypothetical exported 24-amino acid repeat protein							
					19	57	24.3435	69.6731								
FN0025	-2.155	8.484				36		40.7469	AAL94238.1  Hypothetical exported 24-amino acid repeat protein							
					7	32	8.9687	39.1147								
FN0026	0.872	9.200	1.2e-2	5.066e-2	40	9	40.0000	10.1867	AAL94239.1  Hypothetical exported 24-amino acid repeat protein							
					20	21	25.6248	25.6690								
FN0029	-0.920	5.564			5	7	5.0000	7.9230	AAL94242.1  Flavodoxin							
						9		11.0010								
FN0030	-0.029	11.568	1.437e-1	8.494e-1	63	53	63.0000	59.9885	AAL94243.1  5-nitroimidazole antibiotic resistance protein							
					36	42	46.1246	51.3381								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1297

Test Cutoff

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

Applies To: ratios, bars; bars; ratios, bars; p-, q-Values

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0031	0.497	6.119	3.703e-2	1.839e-1	7	7	7.0000	7.9230	AAL94244.1  unknown							
					10	5	12.8124	6.1117								
FN0033	-1.022	11.959	2.845e-8	7.664e-10	45	79	45.0000	89.4169	AAL94246.1  unknown							
					34	74	43.5621	90.4528								
FN0034	0.619	10.066	1.553e-3	4.415e-3	44	24	44.0000	27.1646	AAL94247.1  unknown							
					29	21	37.1559	25.6690								
FN0039						8		9.0549	AAL94252.1  DNA primase (bacterial type) and small primase-like proteins							
						9		11.0010								
FN0040	-0.097	17.664	1.467e-2	6.352e-2	424	402	424.0000	455.0073	AAL94253.1  Asparaginyl-tRNA synthetase							
					357	399	457.4025	487.7119								
FN0041	-0.402	6.068	5.601e-2	2.941e-1	4	8	4.0000	9.0549	AAL94254.1  unknown							
					8	8	10.2499	9.7787								
FN0043	-1.806	5.806			4	15	4.0000	16.9779	AAL94256.1  Hypothetical exported 24-amino acid repeat protein							
						9		11.0010								
FN0045						8		9.0549	AAL94258.1  Shikimate 5-dehydrogenase							
						8		9.7787								
FN0046	1.136	5.579				5		5.6593	AAL94259.1  3-dehydroquinate dehydratase							
					8	3	10.2499	3.6670								
FN0047	-0.392	12.565	8.829e-4	2.036e-3	68	82	68.0000	92.8124	AAL94260.1  Exodeoxyribonuclease III							
					53	70	67.9057	85.5635								
FN0048	-1.375	9.318	4.649e-4	9.091e-4	16	33	16.0000	37.3513	AAL94261.1  4-nitrophenylphosphatase							
					12	36	15.3749	44.0041								
FN0049									AAL94262.1  Hypothetical protein							
						3		3.6670								
FN0050	-0.308	20.596	2.719e-2	1.28e-1	906	1157	906.0000	1309.5608	AAL94263.1  Fumarate reductase flavoprotein subunit							
					1059	1221	1356.8326	1492.4717								
FN0052	-0.988	10.152	5.96e-5	5.203e-5	21	44	21.0000	49.8018	AAL94265.1  Arsenate reductase							
					21	37	26.9060	45.2264								
FN0054	0.180	15.065	7.739e-4	1.728e-3	193	153	193.0000	173.1744	AAL94267.1  Tyrosyl-tRNA synthetase							
					157	143	201.1546	174.7940								
FN0058	-0.885	14.203	1.496e-5	5.701e-6	106	171	106.0000	193.5479	AAL94271.1  Cysteine desulphydrase							
					75	147	96.0930	179.6833								

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Find ORFs

Test Cutoff

q-Value p-Value

.005

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yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
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Dot Plots Dot Plots

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0059	-0.329	10.946	5.812e-3	2.184e-2	37	48	37.0000	54.3292	AAL94272.1  NifU protein							
					33	37	42.2809	45.2264								
FN0060	-0.809	9.321	1.62e-5	6.499e-6	19	30	19.0000	33.9558	AAL94273.1  D-alanyl-D-alanine carboxypeptidase							
					15	27	19.2186	33.0031								
FN0061	0.017	12.506	1.065e-1	6.032e-1	74	67	74.0000	75.8345	AAL94274.1  Thermostable carboxypeptidase 1							
					62	62	79.4368	75.7848								
FN0062	0.342	7.177	3.453e-2	1.697e-1	13	7	13.0000	7.9230	AAL94275.1  Hypothetical cytosolic protein							
					11	11	14.0936	13.4457								
FN0065	-0.753	14.005	4.603e-4	8.975e-4	95	157	95.0000	177.7019	AAL94278.1  Transcription accessory protein (S1 RNA binding domain)							
					80	127	102.4992	155.2366								
FN0067	-0.530	17.426	2.072e-5	9.503e-6	341	434	341.0000	491.2268	AAL94280.1  Isoleucyl-tRNA synthetase							
					279	423	357.4658	517.0479								
FN0069	-0.085	14.640	7.328e-2	3.959e-1	163	159	163.0000	179.9656	AAL94282.1  Glycyl-tRNA synthetase alpha chain							
					115	122	147.3425	149.1249								
FN0070	-0.461	17.173	1.237e-4	1.47e-4	326	390	326.0000	441.4250	AAL94283.1  Glycyl-tRNA synthetase beta chain							
					257	377	329.2785	460.8205								
FN0071									AAL94284.1  GTP cyclohydrolase I							
						8		9.7787								
FN0072	-0.484	12.097	7.448e-5	7.088e-5	53	67	53.0000	75.8345	AAL94285.1  2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase							
					46	66	58.9370	80.6741								
FN0073	-1.025	9.482	1.825e-5	7.944e-6	17	35	17.0000	39.6151	AAL94286.1  Dihydropteroate synthase							
					16	30	20.4998	36.6701								
FN0074	-0.710	7.629			11	21	11.0000	23.7690	AAL94287.1  Ethanolamine utilization protein eutS							
						10		12.2234								
FN0077									AAL94290.1  Ethanolamine two-component sensor kinase							
						6		7.3340								
FN0078	-0.209	5.540			5		5.0000		AAL94291.1  Ethanolamine utilization protein eutA							
					6	6	7.6874	7.3340								
FN0079	-1.622	11.369	8.866e-5	9.085e-5	33	86	33.0000	97.3399	AAL94292.1  Ethanolamine ammonia-lyase heavy chain							
					20	68	25.6248	83.1188								
FN0080	-0.932	12.585	9.368e-4	2.197e-3	52	106	52.0000	119.9770	AAL94293.1  Ethanolamine ammonia-lyase light chain							
					48	79	61.4995	96.5645								

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0081	-1.614	11.503	3.069e-5	1.767e-5	27	78	27.0000	88.2850	AAL94294.1  Ethanolamine utilization protein eutL							
					27	82	34.5935	100.2315								
FN0082	0.534	8.032			21		21.0000		AAL94295.1  Ethanolamine utilization protein eutM							
					14	11	17.9374	13.4457								
FN0083	-0.929	13.177	1.214e-3	3.115e-3	78	132	78.0000	149.4054	AAL94296.1  Ethanolamine utilization protein eutM precursor							
					48	95	61.4995	116.1219								
FN0084	-0.929	9.620	4.369e-4	8.395e-4	24	36	24.0000	40.7469	AAL94297.1  Acetaldehyde dehydrogenase (acetylating)							
					13	30	16.6561	36.6701								
FN0088									AAL94301.1  Hypothetical protein							
						4		4.8893								
FN0089					4		4.0000		AAL94302.1  Ethanolamine permease							
FN0092	-1.780	8.204	3.482e-5	2.242e-5	7	26	7.0000	29.4283	AAL94305.1  NADPH-dependent butanol dehydrogenase							
					9	28	11.5312	34.2254								
FN0093	-0.043	16.685	1.195e-1	6.867e-1	305	323	305.0000	365.5904	AAL94306.1  Thioredoxin							
					261	240	334.4035	293.3605								
FN0100	-0.431	9.723	2.228e-2	1.019e-1	27	24	27.0000	27.1646	AAL94309.1  Flavodoxins/hemoproteins							
					18	33	23.0623	40.3371								
FN0102	-0.826	6.687	7.66e-3	3.016e-2	5	12	5.0000	13.5823	AAL94311.1  Ribonucleoside-diphosphate reductase alpha chain							
					8	11	10.2499	13.4457								
FN0103	-1.146	5.146			4	7	4.0000	7.9230	AAL94312.1  Ribonucleoside-diphosphate reductase beta chain							
						8		9.7787								
FN0106	0.122	13.189	3.395e-2	1.665e-1	94	87	94.0000	98.4717	AAL94315.1  Hypothetical protein							
					84	71	107.6241	86.7858								
FN0108	0.104	6.236			9	4	9.0000	4.5274	AAL94317.1  Microcin C7 self-immunity protein mccF							
						10		12.2234								
FN0110	-0.076	17.160	6.415e-2	3.414e-1	342	352	342.0000	398.4144	AAL94319.1  Seryl-tRNA synthetase							
					315	317	403.5904	387.4804								
FN0113	-1.470	9.373	3.872e-5	2.807e-5	13	39	13.0000	44.1425	AAL94322.1  Heat-inducible transcription repressor hrcA							
					14	34	17.9374	41.5594								
FN0114	0.309	14.087	1.204e-2	5.086e-2	163	109	163.0000	123.3726	AAL94323.1  GrpE protein							
					102	93	130.6864	113.6772								

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p-Value

.005

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yes	+	ratios, bars
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Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0116	0.016	19.808	1.367e-1	8.016e-1	1009	797	1009.0000	902.0916	AAL94325.1  Chaperone protein dnaK							
					716	821	917.3674	1003.5375								
FN0117						5		6.1117	AAL94326.1  O6-methylguanine-DNA methyltransferase							
FN0118	-0.308	12.617	5.011e-6	1.143e-6	72	77	72.0000	87.1531	AAL94327.1  Chaperone protein dnaJ							
					55	73	70.4682	89.2305								
FN0119						10		11.3186	AAL94328.1  Flavodoxin							
						9		11.0010								
FN0123						5		5.6593	AAL94332.1  ATPase							
						6		7.3340								
FN0128	-1.639	8.215	3.046e-4	5.156e-4	8	30	8.0000	33.9558	AAL94334.1  Spermidine/putrescine-binding protein							
					9	22	11.5312	26.8914								
FN0129						3		3.3956	AAL94335.1  Urease accessory protein ureG							
FN0130	-0.159	8.012			24	15	24.0000	16.9779	AAL94336.1  ABC transporter ATP-binding protein							
					5		6.4062									
FN0132	0.425	6.174			12		12.0000		AAL93916.1  Hemolysin							
					6	6	7.6874	7.3340								
FN0147	-0.837	10.087	3.929e-6	8.249e-7	25	39	25.0000	44.1425	AAL94353.1  PLSX protein							
					19	36	24.3435	44.0041								
FN0148	-0.054	15.945	3.576e-2	1.767e-1	242	234	242.0000	264.8550	AAL94354.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
					196	202	251.1229	246.9118								
FN0149	-0.142	15.778	8.342e-2	4.585e-1	190	252	190.0000	285.2285	AAL94355.1  Malonyl-CoA-[acyl-carrier-protein] transacylase							
					204	174	261.3728	212.6864								
FN0150	-0.199	12.000	1.166e-2	4.904e-2	58	65	58.0000	73.5708	AAL94356.1  Acyl carrier protein							
					48	52	61.4995	63.5614								
FN0151	-0.016	19.835	1.398e-1	8.225e-1	893	825	893.0000	933.7836	AAL94357.1  3-oxoacyl-[acyl-carrier-protein] synthase							
					804	827	1030.1165	1010.8715								
FN0152	0.444	4.915				4		4.5274	AAL94358.1  Ribonuclease III							
					5	4	6.4062	4.8893								
FN0154	-0.307	5.666				7		7.9230	AAL94360.1  Ribonuclease G							
					5		6.4062									

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.005

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	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0155	-0.070	6.627			13	9	13.0000	10.1867	AAL94361.1  Hypothetical protein							
					5		6.4062									
FN0156	0.307	7.947	1.625e-4	2.15e-4	17	12	17.0000	13.5823	AAL94362.1  Phosphopantetheine adenylyltransferase							
					14	12	17.9374	14.6680								
FN0157						7		7.9230	AAL94363.1  DNA repair protein Rada							
						6		7.3340								
FN0158	-0.730	8.802	5.307e-3	1.963e-2	20	20	20.0000	22.6372	AAL94364.1  DNA-binding protein							
					10	26	12.8124	31.7807								
FN0164	-1.297	15.126	3.319e-4	5.799e-4	117	243	117.0000	275.0417	AAL94370.1  Anhydro-N-acetylmuramyl-tripeptide amidase							
					97	260	124.2802	317.8072								
FN0170	0.137	13.551	1.406e-3	3.848e-3	117	95	117.0000	107.5266	AAL94376.1  GTP-binding protein							
					88	83	112.7491	101.4538								
FN0173	0.284	11.663	6.328e-3	2.416e-2	68	48	68.0000	54.3292	AAL94379.1  Hypothetical protein							
					45	40	57.6558	48.8934								
FN0174	0.849	13.478	3.396e-3	1.143e-2	165	65	165.0000	73.5708	AAL94380.1  Enoyl-[acyl-carrier-protein] reductase							
					95	70	121.7177	85.5635								
FN0175	-0.214	7.848				17		19.2416	AAL94381.1  Cell division inhibitor MinC							
					11	11	14.0936	13.4457								
FN0176	0.209	15.019	2.682e-2	1.26e-1	174	158	174.0000	178.8337	AAL94382.1  Cell division inhibitor MinD							
					170	131	217.8107	160.1260								
FN0177	-0.050	7.349	1.285e-1	7.461e-1	11	10	11.0000	11.3186	AAL94383.1  Cell division inhibitor MinE							
					11	12	14.0936	14.6680								
FN0178	-0.978	12.024	3.175e-5	1.88e-5	42	78	42.0000	88.2850	AAL94384.1  UNC-44 ankyrins							
					39	76	49.9683	92.8975								
FN0179	-0.461	9.357	1.498e-2	6.506e-2	27	25	27.0000	28.2965	AAL94385.1  Ankyrin repeat proteins							
					13	26	16.6561	31.7807								
FN0180					8		8.0000		AAL94386.1  Tetratricopeptide repeat family protein							
FN0181	-0.669	8.172	3.035e-2	1.456e-1	9	13	9.0000	14.7142	AAL94387.1  Hypothetical protein							
					14	23	17.9374	28.1137								
FN0182	-0.020	11.915	1.551e-1	9.294e-1	76	49	76.0000	55.4611	AAL94388.1  Sarcosine oxidase alpha subunit							
					37	57	47.4059	69.6731								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0183	0.222	13.861	4.094e-2	2.068e-1	152	97	152.0000	109.7903	AAL94389.1  Glycerol-3-phosphate dehydrogenase							
					87	95	111.4678	116.1219								
FN0185	-0.703	7.422	3.725e-2	1.852e-1	9	9	9.0000	10.1867	AAL94391.1  Hypothetical protein							
					9	19	11.5312	23.2244								
FN0188						13		14.7142	AAL94394.1  Peptide methionine sulfoxide reductase							
FN0189					9		9.0000		AAL94395.1  Two-component response regulator yesN							
					4		5.1250									
FN0190						7		8.5563	AAL94396.1  Two-component sensor kinase yesM							
FN0191	-0.956	7.924	5.339e-3	1.977e-2	7	20	7.0000	22.6372	AAL94397.1  helix-turn-helix DNA-binding protein							
					12	17	15.3749	20.7797								
FN0192	-1.560	11.963	2.817e-4	4.648e-4	39	88	39.0000	99.6036	AAL94398.1  Dipeptide-binding protein							
					27	96	34.5935	117.3442								
FN0197						4		4.8893	AAL94403.1  Methyltransferase							
FN0198	0.119	5.211	1.087e-1	6.173e-1	5	6	5.0000	6.7912	AAL94404.1  Transcriptional regulatory protein							
					6	4	7.6874	4.8893								
FN0199	0.034	10.353	1.476e-1	8.765e-1	45	34	45.0000	38.4832	AAL94405.1  Hypothetical protein							
					22	27	28.1873	33.0031								
FN0200	-1.580	20.140	6.631e-7	7.146e-8	609	1665	609.0000	1884.5452	AAL94406.1  Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					495	1499	634.2135	1832.2809								
FN0202	0.046	20.246	1.346e-1	7.871e-1	1335	1032	1335.0000	1168.0784	AAL94408.1  Glutaconate CoA-transferase subunit A							
					727	840	931.4611	1026.7618								
FN0203	-0.570	20.287	9.913e-4	2.364e-3	833	1114	833.0000	1260.8909	AAL94409.1  Glutaconate CoA-transferase subunit B							
					799	1223	1023.7103	1494.9163								
FN0204	-0.211	21.405	4.17e-3	1.466e-2	1462	1600	1462.0000	1810.9743	AAL94410.1  Glutaconyl-CoA decarboxylase A subunit							
					1277	1452	1636.1428	1774.8312								
FN0206	-0.994	11.813	1.258e-6	1.822e-7	44	74	44.0000	83.7576	AAL94412.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					32	70	40.9997	85.5635								
FN0207	-0.338	18.825	8.945e-5	9.205e-5	620	681	620.0000	770.7959	AAL94413.1  (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit							
					462	623	591.9326	761.5150								

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Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0208	-0.233	17.852	4.31e-4	8.251e-4	435	461	435.0000	521.7870	AAL94414.1  (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit							
					361	436	462.5274	532.9383								
FN0209	-0.455	17.713	3.089e-5	1.788e-5	383	486	383.0000	550.0834	AAL94415.1  Hypothetical cytosolic protein							
					319	438	408.7154	535.3830								
FN0212	-0.593	8.361	5.343e-3	1.979e-2	18	21	18.0000	23.7690	AAL94418.1  Hypothetical protein							
					9	17	11.5312	20.7797								
FN0218	-1.149	12.740	1.827e-4	2.538e-4	56	114	56.0000	129.0319	AAL94424.1  Anthranilate synthase component II							
					43	96	55.0933	117.3442								
FN0219	0.986	5.344				4		4.5274	AAL94425.1  Autolysin response regulator							
					7		8.9687									
FN0221	0.683	11.721	9.094e-3	3.691e-2	87	40	87.0000	45.2744	AAL94427.1  Carbon starvation protein A							
					47	38	60.2183	46.4487								
FN0224	-0.636	9.062	7.015e-3	2.723e-2	23	25	23.0000	28.2965	AAL94430.1  Excinuclease ABC subunit B							
					11	24	14.0936	29.3361								
FN0226	-0.441	11.765	3.279e-6	6.51e-7	50	61	50.0000	69.0434	AAL94432.1  Pyridoxal phosphate biosynthetic protein pdxA							
					40	56	51.2496	68.4508								
FN0233	-0.444	12.009	2.958e-3	9.715e-3	55	61	55.0000	69.0434	AAL94439.1  Hypothetical protein							
					43	66	55.0933	80.6741								
FN0234						12		13.5823	AAL94440.1  unknown							
						14		17.1127								
FN0236	-0.360	15.082	2.733e-3	8.803e-3	152	172	152.0000	194.6797	AAL94442.1  ABC transporter substrate-binding protein							
					138	186	176.8110	227.3544								
FN0238	-0.547	10.368	8.482e-3	3.398e-2	23	42	23.0000	47.5381	AAL94444.1  Hypothetical protein							
					29	33	37.1559	40.3371								
FN0240	-0.155	12.854	3.066e-2	1.474e-1	76	87	76.0000	98.4717	AAL94446.1  Thymidylate synthase							
					68	68	87.1243	83.1188								
FN0241	-1.298	7.633	8.746e-3	3.524e-2	9	25	9.0000	28.2965	AAL94447.1  Dihydrofolate reductase							
					7	13	8.9687	15.8904								
FN0242	-1.748	10.070	2.019e-5	9.157e-6	14	50	14.0000	56.5929	AAL94448.1  Trk system potassium uptake protein trkA							
					17	52	21.7811	63.5614								
FN0243	-2.031	6.746				10		11.3186	AAL94449.1  Poly(A) polymerase							
					4	25	5.1250	30.5584								

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Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0244						16		18.1097	AAL94450.1  COP associated protein							
						20		24.4467								
FN0245	-1.235	6.405			6	12	6.0000	13.5823	AAL94451.1  Copper-exporting ATPase							
						12		14.6680								
FN0247	-0.127	15.249	9.125e-2	5.071e-1	229	183	229.0000	207.1302	AAL94453.1  Hypothetical cytosolic protein							
					116	168	148.6238	205.3524								
FN0248					9		9.0000		AAL94454.1  Hypothetical Exported Protein							
FN0249	-0.813	14.879	2.894e-5	1.594e-5	121	210	121.0000	237.6904	AAL94455.1  unknown							
					110	182	140.9363	222.4651								
FN0250	0.063	14.226	5.06e-2	2.621e-1	142	113	142.0000	127.9001	AAL94456.1  unknown							
					110	117	140.9363	143.0133								
FN0251	-0.104	15.702	1.066e-1	6.041e-1	175	195	175.0000	220.7125	AAL94457.1  Hypothetical membrane-spanning Protein							
					211	211	270.3415	257.9128								
FN0252	-0.338	16.247	1.241e-3	3.212e-3	231	270	231.0000	305.6019	AAL94458.1  unknown							
					207	263	265.2166	321.4742								
FN0253	0.155	15.816	2.243e-2	1.027e-1	234	198	234.0000	224.1081	AAL94459.1  Outer membrane protein							
					213	189	272.9040	231.0214								
FN0254	-1.120	18.754	4.687e-4	9.187e-4	373	851	373.0000	963.2120	AAL94460.1  Fusobacterium outer membrane protein family							
					413	816	529.1519	997.4258								
FN0258	-1.444	6.159				16		18.1097	AAL94464.1  Zinc-transporting ATPase							
					4	8	5.1250	9.7787								
FN0259					11		11.0000		AAL94465.1  Zinc-transporting ATPase							
					12		15.3749									
FN0260									AAL94466.1  Transcriptional repressor smtB							
						5		6.1117								
FN0261	-1.556	8.822	3.891e-5	2.839e-5	12	31	12.0000	35.0876	AAL94467.1  Pyruvate formate-lyase activating enzyme							
					10	31	12.8124	37.8924								
FN0262	-0.198	24.438	9.858e-4	2.347e-3	4443	4406	4443.0000	4986.9705	AAL94468.1  Formate acetyltransferase							
					3482	4274	4461.2757	5224.2620								
FN0263	-1.266	15.895	2.808e-5	1.515e-5	180	358	180.0000	405.2055	AAL94469.1  Peptidyl-prolyl cis-trans isomerase							
					108	295	138.3739	360.5890								

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Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0264	-0.264	16.639	2.791e-3	9.033e-3	273	314	273.0000	355.4037	AAL94470.1  Hypothetical protein							
					242	282	310.0599	344.6986								
FN0265	-2.080	7.250			6	20	6.0000	22.6372	AAL94471.1  Cell division protein ftsX							
						23		28.1137								
FN0266	-2.100	5.985				14		15.8460	AAL94472.1  membrane protein related to metalloendopeptidase							
					3	14	3.8437	17.1127								
FN0267						7		7.9230	AAL94473.1  ATP-NAD kinase							
						9		11.0010								
FN0268	-2.006	5.891				10		11.3186	AAL94474.1  DNA repair protein recN							
					3	16	3.8437	19.5574								
FN0270	-1.136	5.516	2.84e-4	4.698e-4	4	8	4.0000	9.0549	AAL94476.1  GTP-binding protein era							
					4	9	5.1250	11.0010								
FN0271	-0.923	4.923			4	8	4.0000	9.0549	AAL94477.1  Enoyl-CoA hydratase							
						5		6.1117								
FN0272									AAL94478.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
						5		6.1117								
FN0276	-1.749	5.749			4		4.0000		AAL94482.1  Sodium-dependent phosphate transporter							
						11		13.4457								
FN0277	-0.579	6.914	1.193e-2	5.032e-2	9	14	9.0000	15.8460	AAL94483.1  Hypothetical protein							
					7	9	8.9687	11.0010								
FN0278	0.277	16.373	2.187e-2	9.985e-2	362	230	362.0000	260.3276	AAL94484.1  Xaa-His dipeptidase							
					218	220	279.3102	268.9138								
FN0279	-0.558	11.420	6.44e-6	1.66e-6	44	55	44.0000	62.2522	AAL94485.1  Lipoprotein							
					33	53	42.2809	64.7838								
FN0280	-0.804	13.341	7.714e-6	2.203e-6	76	119	76.0000	134.6912	AAL94486.1  Hypothetical protein							
					61	110	78.1556	134.4569								
FN0281	-1.928	10.273	2.801e-5	1.509e-5	13	64	13.0000	72.4390	AAL94487.1  DNA polymerase III alpha subunit							
					18	53	23.0623	64.7838								
FN0282	-0.165	10.616	8.002e-2	4.372e-1	30	32	30.0000	36.2195	AAL94488.1  Hypothetical protein							
					35	39	44.8434	47.6711								
FN0283	-1.932	7.291							AAL94489.1  tRNA (Guanine-N1) - methyltransferase							
					5	20	6.4062	24.4467								

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no	n/a	bars
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yes	+	p-, q-Values
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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0284	0.337	7.950	7.893e-2	4.305e-1	11	15	11.0000	16.9779	AAL94490.1  16S rRNA processing protein rimM							
					19	9	24.3435	11.0010								
FN0285	1.943	6.300			22	4	22.0000	4.5274	AAL94491.1  RNA binding protein							
					10		12.8124									
FN0287	-0.675	6.428	2.962e-4	4.968e-4	7	11	7.0000	12.4504	AAL94493.1  Dimethyladenosine transferase							
					6	9	7.6874	11.0010								
FN0288	0.338	10.201	3.316e-2	1.618e-1	31	28	31.0000	31.6921	AAL94494.1  Hypoxanthine-guanine phosphoribosyltransferase							
					36	24	46.1246	29.3361								
FN0290									AAL94496.1  Hemolysin							
					3		3.8437									
FN0291	0.270	4.019			5		5.0000		AAL94497.1  Hemolysin							
					3	3	3.8437	3.6670								
FN0294	-0.403	15.495	3.238e-4	5.605e-4	188	212	188.0000	239.9541	AAL94500.1  Transketolase subunit A							
					145	208	185.7797	254.2458								
FN0295	-0.486	14.228	1.671e-3	4.845e-3	106	146	106.0000	165.2514	AAL94501.1  Transketolase							
					100	133	128.1239	162.5706								
FN0296	0.648	11.491	2.681e-3	8.596e-3	60	39	60.0000	44.1425	AAL94502.1  Hypothetical cytosolic protein							
					58	34	74.3119	41.5594								
FN0297	-0.481	6.366				6		6.7912	AAL94503.1  ATPase associated with chromosome architecture/replication							
					6	12	7.6874	14.6680								
FN0298	-0.036	15.012	9.846e-2	5.526e-1	181	173	181.0000	195.8116	AAL94504.1  Histidyl-tRNA synthetase							
					139	141	178.0923	172.3493								
FN0299	-0.090	16.188	1.752e-2	7.775e-2	262	239	262.0000	270.5143	AAL94505.1  Aspartyl-tRNA synthetase							
					209	240	267.7790	293.3605								
FN0305	-0.100	3.649			3		3.0000		AAL94511.1  Iron(III) dicitrate-binding protein							
					3	3	3.8437	3.6670								
FN0307									AAL94513.1  Iron(III) dicitrate transport ATP-binding protein fecE							
					3		3.8437									
FN0308	-0.343	16.795	1.812e-2	8.08e-2	354	347	354.0000	392.7551	AAL94514.1  Iron(III)-binding protein							
					191	300	244.7167	366.7007								
FN0309	-0.359	6.220			5		5.0000		AAL94515.1  Iron(III)-transport system permease protein sfuB							
					8	8	10.2499	9.7787								

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no	n/a	bars
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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0310	-0.601	13.803	3.806e-3	1.311e-2	116	123	116.0000	139.2187	AAL94516.1  Iron(III)-transport ATP-binding protein sfuC							
					61	127	78.1556	155.2366								
FN0311	-0.226	13.517	1.285e-2	5.469e-2	90	100	90.0000	113.1859	AAL94517.1  Anaerobic ribonucleoside-triphosphate reductase							
					86	99	110.1866	121.0112								
FN0313	-2.327	6.970			5	13	5.0000	14.7142	AAL94519.1  16S rRNA m(5)C 967 methyltransferase							
						29		35.4477								
FN0316	-0.223	9.825	4.806e-2	2.474e-1	25	24	25.0000	27.1646	AAL94522.1  Hypothetical protein							
					24	31	30.7497	37.8924								
FN0317	-0.857	6.522	1.105e-2	4.61e-2	4	12	4.0000	13.5823	AAL94523.1  Tryptophan synthase beta chain							
					8	10	10.2499	12.2234								
FN0319	-0.766	5.481				10		11.3186	AAL94525.1  Citrate (pro-3S)-lyase ligase							
					4	5	5.1250	6.1117								
FN0320	0.484	9.799	1.113e-5	3.673e-6	36	23	36.0000	26.0328	AAL94526.1  Hypothetical cytosolic protein							
					27	20	34.5935	24.4467								
FN0321	0.075	13.499	8.253e-2	4.529e-1	103	101	103.0000	114.3178	AAL94527.1  Heat shock protein htpG							
					92	78	117.8740	95.3422								
FN0322	0.111	21.126	3.666e-2	1.818e-1	1688	1315	1688.0000	1488.3945	AAL94528.1  Fructose-bisphosphate aldolase							
					1136	1164	1455.4880	1422.7985								
FN0325	1.139	13.220	2.875e-3	9.372e-3	122	58	122.0000	65.6478	AAL94529.1  LSU ribosomal protein L20P							
					131	54	167.8424	66.0061								
FN0326	1.302	7.274			16	7	16.0000	7.9230	AAL94530.1  LSU ribosomal protein L35P							
					18		23.0623									
FN0327	-1.855	10.992	1.798e-4	2.48e-4	18	75	18.0000	84.8894	AAL94531.1  Bacterial Protein Translation Initiation Factor 3 (IF-3)							
					23	71	29.4685	86.7858								
FN0329	-0.651	17.760	3.448e-4	6.117e-4	347	528	347.0000	597.6215	AAL94533.1  LSU ribosomal protein L13P							
					316	477	404.8717	583.0540								
FN0330	0.826	14.085	1.409e-4	1.774e-4	187	81	187.0000	91.6806	AAL94534.1  SSU ribosomal protein S9P							
					128	87	163.9986	106.3432								
FN0331	-0.216	11.866	1.345e-6	2.051e-7	57	58	57.0000	65.6478	AAL94535.1  Hypothetical protein							
					44	54	56.3745	66.0061								
FN0332					7		7.0000		AAL94536.1  Magnesium and cobalt transport protein corA							

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yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0334	-0.088	14.104	2.244e-3	6.939e-3	128	123	128.0000	139.2187	AAL94538.1  Aspartate/aromatic aminotransferase							
					101	110	129.4052	134.4569								
FN0335	-0.800	19.873	1.018e-4	1.121e-4	764	1093	764.0000	1237.1218	AAL94539.1  Outer membrane porin F							
					563	1103	721.3378	1348.2361								
FN0336	-0.757	12.400	1.222e-3	3.141e-3	67	76	67.0000	86.0213	AAL94540.1  Hypothetical protein							
					36	86	46.1246	105.1209								
FN0341	0.452	12.443	1.446e-3	4.002e-3	90	62	90.0000	70.1753	AAL94545.1  transport protein							
					66	47	84.5618	57.4498								
FN0342	0.166	10.903	8.716e-2	4.817e-1	44	46	44.0000	52.0655	AAL94546.1  Peptidyl-prolyl cis-trans isomerase							
					38	25	48.6871	30.5584								
FN0343						4		4.5274	AAL94547.1  Hypothetical protein							
FN0344						9		11.0010	AAL94548.1  Methyltransferase							
FN0347	-1.941	11.232	2.077e-4	3.076e-4	27	78	27.0000	88.2850	AAL94551.1  Phosphatidylserine decarboxylase							
					18	85	23.0623	103.8985								
FN0348	-0.598	15.785	1.01e-3	2.422e-3	203	279	203.0000	315.7886	AAL94552.1  Nicotinate phosphoribosyltransferase							
					143	220	183.2172	268.9138								
FN0349	0.087	6.557			10	8	10.0000	9.0549	AAL94553.1  D-Tyr-tRNATyr deacylase							
						8		9.7787								
FN0351	-0.271	14.174	1.764e-2	7.835e-2	122	117	122.0000	132.4275	AAL94555.1  unknown							
					98	136	125.5615	166.2376								
FN0352	-0.787	10.231	4.061e-3	1.419e-2	31	47	31.0000	53.1974	AAL94556.1  NA+/H+ antiporter NHAC							
					17	31	21.7811	37.8924								
FN0355	-0.606	14.529	2.716e-4	4.432e-4	116	170	116.0000	192.4160	AAL94558.1  S-adenosylmethionine synthetase							
					104	153	133.2489	187.0173								
FN0356	-1.801	8.752	2.524e-7	1.913e-8	12	35	12.0000	39.6151	AAL94559.1  Lactoylglutathione lyase							
					8	31	10.2499	37.8924								
FN0357	-0.138	7.580	1.187e-1	6.818e-1	11	17	11.0000	19.2416	AAL94560.1  ATP synthase epsilon chain, sodium ion specific							
					12	8	15.3749	9.7787								
FN0358	-0.992	17.088	2.477e-7	1.823e-8	268	470	268.0000	531.9737	AAL94561.1  ATP synthase beta chain, sodium ion specific							
					204	426	261.3728	520.7149								

Show detected proteins only  
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Proteins found: 1297

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0359	-0.584	11.809	1.868e-4	2.623e-4	53	68	53.0000	76.9664	AAL94562.1  ATP synthase gamma chain, sodium ion specific							
					35	57	44.8434	69.6731								
FN0360	0.041	13.439	8.798e-2	4.868e-1	101	95	101.0000	107.5266	AAL94563.1  ATP synthase alpha chain, sodium ion specific							
					88	82	112.7491	100.2315								
FN0361	-0.550	10.085	2.28e-4	3.525e-4	25	37	25.0000	41.8788	AAL94564.1  ATP synthase delta chain, sodium ion specific							
					23	31	29.4685	37.8924								
FN0362	-0.536	10.276	3.621e-2	1.792e-1	29	49	29.0000	55.4611	AAL94565.1  ATP synthase B chain, sodium ion specific							
					23	24	29.4685	29.3361								
FN0364	1.071	4.820			9		9.0000		AAL94567.1  ATP synthase A chain, sodium ion specific							
					5	3	6.4062	3.6670								
FN0366	0.100	16.101	4.609e-2	2.361e-1	253	228	253.0000	258.0638	AAL94569.1  Phosphoglucosamine mutase							
					231	208	295.9663	254.2458								
FN0368	0.078	12.788	7.982e-2	4.36e-1	78	69	78.0000	78.0983	AAL94571.1  Adenylosuccinate lyase							
					74	70	94.8117	85.5635								
FN0370	-1.004	9.526	2.752e-3	8.88e-3	14	28	14.0000	31.6921	AAL94573.1  Signal peptidase I							
					19	37	24.3435	45.2264								
FN0371	0.167	12.681	6.273e-2	3.331e-1	100	66	100.0000	74.7027	AAL94574.1  Hypothetical protein							
					56	64	71.7494	78.2295								
FN0374						3		3.3956	AAL94577.1  Single-stranded-DNA-specific exonuclease recJ							
						4		4.8893								
FN0375	0.529	17.403	1.105e-3	2.734e-3	466	297	466.0000	336.1621	AAL94578.1  Iron(III)-binding protein							
					417	292	534.2768	356.9220								
FN0376	-0.708	11.289	6.328e-5	5.649e-5	36	59	36.0000	66.7797	AAL94579.1  Iron(III)-transport ATP-binding protein sfuC							
					33	50	42.2809	61.1168								
FN0377	1.124	8.044			39		39.0000		AAL94580.1  Iron(III)-transport system permease protein sfuB							
					7	9	8.9687	11.0010								
FN0378	0.286	6.371	8.949e-2	4.962e-1	6	7	6.0000	7.9230	AAL94581.1  UDP-glucose 4-epimerase							
					11	7	14.0936	8.5563								
FN0379	-0.107	6.985	1.231e-1	7.105e-1	14	12	14.0000	13.5823	AAL94582.1  Hypothetical protein							
					6	8	7.6874	9.7787								
FN0380	-1.707	7.592				26		29.4283	AAL94583.1  unknown							
					6	17	7.6874	20.7797								

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0381	0.286	8.570	4.251e-3	1.502e-2	20	15	20.0000	16.9779	AAL94584.1  unknown							
					18	15	23.0623	18.3350								
FN0382						8		9.0549	AAL94585.1  Hypothetical protein							
						8		9.7787								
FN0383						7		7.9230	AAL94586.1  Lipopolysaccharide N-acetylglucosaminyltransferase							
						10		12.2234								
FN0384	-1.709	8.942	4.412e-4	8.5e-4	13	32	13.0000	36.2195	AAL94587.1  Hypothetical protein							
						9	36	11.5312		44.0041						
FN0386						12		13.5823	AAL94589.1  Hypothetical protein							
						11		13.4457								
FN0387	-1.823	12.522	3.938e-5	2.918e-5	38	121	38.0000	136.9549	AAL94590.1  Fusobacterium outer membrane protein family							
						34	124	43.5621		151.5696						
FN0390	1.213	11.769	2.133e-3	6.538e-3	103	34	103.0000	38.4832	AAL94593.1  Hypothetical protein							
						60	32	76.8744		39.1147						
FN0391	-0.312	7.965	2.99e-3	9.845e-3	13	16	13.0000	18.1097	AAL94594.1  Hydrolase (HAD superfamily)							
						12	14	15.3749		17.1127						
FN0392	-1.162	6.915	6.901e-6	1.857e-6	7	15	7.0000	16.9779	AAL94595.1  Oxygen-independent coproporphyrinogen III oxidase							
						6	13	7.6874		15.8904						
FN0393	-0.799	5.478	6.439e-5	5.787e-5	5	8	5.0000	9.0549	AAL94596.1  Polysaccharide deacetylase							
						4	7	5.1250		8.5563						
FN0394	-0.889	6.059			6	11	6.0000	12.4504	AAL94597.1  Outer membrane protein							
							8			9.7787						
FN0396	0.388	23.786	1.779e-4	2.444e-4	4210	2994	4210.0000	3388.7857	AAL94599.1  Dipeptide-binding protein							
						3505	2667	4490.7442		3259.9688						
FN0397	0.292	11.044	9.168e-3	3.727e-2	53	41	53.0000	46.4062	AAL94600.1  Dipeptide transport system permease protein dppB							
						38	30	48.6871		36.6701						
FN0398	-0.506	11.735	2.89e-3	9.437e-3	48	56	48.0000	63.3841	AAL94601.1  Dipeptide transport system permease protein dppC							
						39	62	49.9683		75.7848						
FN0399	-0.367	15.250	9.994e-3	4.12e-2	149	178	149.0000	201.4709	AAL94602.1  Dipeptide transport ATP-binding protein dppD							
						155	202	198.5921		246.9118						
FN0400	-1.174	17.112	1.348e-4	1.662e-4	227	498	227.0000	563.6658	AAL94603.1  Dipeptide transport ATP-binding protein dppF							
						214	464	274.1852		567.1637						

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0405	0.742	13.733	4.952e-3	1.804e-2	175	86	175.0000	97.3399	AAL94608.1  Tryptophanyl-tRNA synthetase							
					99	68	126.8427	83.1188								
FN0406	-0.395	11.956	2.87e-3	9.355e-3	60	64	60.0000	72.4390	AAL94609.1  Alanine racemase, biosynthetic							
					39	59	49.9683	72.1178								
FN0407	0.167	12.951	3.356e-2	1.642e-1	104	75	104.0000	84.8894	AAL94610.1  Hypothetical protein							
					66	68	84.5618	83.1188								
FN0408	-0.372	12.560	6.445e-3	2.47e-2	61	86	61.0000	97.3399	AAL94611.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta							
					59	65	75.5931	79.4518								
FN0409	0.047	17.998	1.012e-1	5.699e-1	475	453	475.0000	512.7321	AAL94612.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha							
					441	404	565.0266	493.8235								
FN0410	-0.330	13.814	1.17e-5	3.94e-6	109	120	109.0000	135.8231	AAL94613.1  6-phosphofructokinase							
					82	109	105.0616	133.2346								
FN0411									AAL94614.1  putative alpha helix protein							
						8		9.7787								
FN0412									AAL94615.1  Recombination protein recR							
						10		12.2234								
FN0413	0.236	3.764			4	3	4.0000	3.3956	AAL94616.1  unknown							
FN0414					6		6.0000		AAL94617.1  ATP-dependent helicase HEPA							
FN0416	-1.240	7.959	1.825e-3	5.409e-3	9	18	9.0000	20.3735	AAL94619.1  Type III restriction-modification system methylation subunit							
					9	23	11.5312	28.1137								
FN0417	-2.222	9.230	1.308e-4	1.591e-4	15	46	15.0000	52.0655	AAL94620.1  Type III restriction-modification system restriction subunit							
					6	44	7.6874	53.7828								
FN0418					4		4.0000		AAL94621.1  Uracil phosphoribosyltransferase							
FN0419	-0.696	6.305			5	10	5.0000	11.3186	AAL94622.1  Aspartate carbamoyltransferase							
					7		8.9687									
FN0420	-2.171	5.341			3	12	3.0000	13.5823	AAL94623.1  Dihydroorotase							
						11		13.4457								
FN0421	-1.542	7.350	3.29e-5	2.008e-5	6	18	6.0000	20.3735	AAL94624.1  Carbamoyl-phosphate synthase small chain							
					7	19	8.9687	23.2244								

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Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots



Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0422	-1.107	13.354	2.957e-4	4.957e-4	69	125	69.0000	141.4824	AAL94625.1  Carbamoyl-phosphate synthase large chain							
					55	130	70.4682	158.9036								
FN0423	-0.906	5.929	1.149e-2	4.821e-2	5	7	5.0000	7.9230	AAL94626.1  Dihydroorotate dehydrogenase electron transfer subunit							
					5	11	6.4062	13.4457								
FN0424	-0.650	3.820			3	4	3.0000	4.5274	AAL94627.1  Dihydroorotate dehydrogenase							
						4		4.8893								
FN0426	0.490	8.271	2.317e-2	1.066e-1	25	10	25.0000	11.3186	AAL94629.1  Orotidine 5'-phosphate decarboxylase							
					13	15	16.6561	18.3350								
FN0427	-0.336	11.021	1.975e-3	5.97e-3	44	43	44.0000	48.6699	AAL94630.1  Orotate phosphoribosyltransferase							
					29	44	37.1559	53.7828								
FN0430	-0.602	15.497	3.365e-4	5.911e-4	171	223	171.0000	252.4045	AAL94633.1  LSU ribosomal protein L19P							
					139	227	178.0923	277.4702								
FN0435	-0.657	10.570	3.348e-2	1.637e-1	48	39	48.0000	44.1425	AAL94634.1  Purine nucleoside phosphorylase							
					11	44	14.0936	53.7828								
FN0436	-0.470	9.107	3.133e-2	1.512e-1	13	24	13.0000	27.1646	AAL94635.1  regulator of kinase autophosphorylation inhibitor							
					21	23	26.9060	28.1137								
FN0437	-0.598	6.054	4.03e-2	2.03e-1	3	8	3.0000	9.0549	AAL94636.1  kinase autophosphorylation inhibitor KipI							
					8	9	10.2499	11.0010								
FN0438									AAL94637.1  transporter protein							
						9		11.0010								
FN0439	-0.011	11.486	1.562e-1	9.369e-1	58	41	58.0000	46.4062	AAL94638.1  Lactam utilization protein LAMB							
					38	50	48.6871	61.1168								
FN0445	0.077	4.875	7.806e-2	4.251e-1	6	5	6.0000	5.6593	AAL94641.1  Hypothetical protein							
					4	4	5.1250	4.8893								
FN0446	-0.567	7.518	1.677e-4	2.247e-4	12	14	12.0000	15.8460	AAL94642.1  Hypothetical protein							
					8	14	10.2499	17.1127								
FN0447	-0.221	4.221			4	5	4.0000	5.6593	AAL94643.1  NIFS protein							
						3		3.6670								
FN0448									AAL94644.1  DNA-repair protein							
					3		3.8437									
FN0450	-0.980	9.525	1.959e-2	8.824e-2	22	22	22.0000	24.9009	AAL94646.1  ABC transporter ATP-binding protein							
					13	42	16.6561	51.3381								

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**Test** **Cutoff**

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

ratios, bars  
ratios, bars  
ratios, bars  
p-, q-Values

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0451	-0.864	5.579				10		11.3186	AAL94647.1  Hypothetical protein							
					4	6	5.1250	7.3340		■						
FN0452	0.015	18.716	9.886e-2	5.552e-1	663	592	663.0000	670.0605	AAL94648.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					512	520	655.9946	635.6145								
FN0453	-0.220	15.291	4.987e-3	1.819e-2	198	195	198.0000	220.7125	AAL94649.1  Xaa-Pro aminopeptidase							
					135	173	172.9673	211.4640		■						
FN0454	-0.507	12.316	4.712e-5	3.749e-5	57	77	57.0000	87.1531	AAL94650.1  Aldehyde dehydrogenase B							
					49	68	62.7807	83.1188		■						
FN0455	1.180	16.037	2.472e-3	7.79e-3	331	150	331.0000	169.7788	AAL94651.1  Rubrerythrin							
					351	143	449.7150	174.7940		■						
FN0456	-1.123	11.157	2.866e-5	1.568e-5	34	62	34.0000	70.1753	AAL94652.1  Hypothetical cytosolic protein							
					24	58	30.7497	70.8955		■						
FN0458	0.645	4.714				4		4.5274	AAL94654.1  Hypothetical Exported Protein							
					5	3	6.4062	3.6670		■						
FN0459						8		9.0549	AAL94655.1  Hypothetical exported 24-amino acid repeat protein							
						8		9.7787								
FN0460	-1.497	10.305	6.626e-5	6.025e-5	18	57	18.0000	64.5160	AAL94656.1  Delta-aminolevulinic acid dehydratase							
					19	45	24.3435	55.0051		■						
FN0461	-0.409	15.695	3.45e-4	6.121e-4	187	227	187.0000	256.9320	AAL94657.1  Probable sigma(54) modulation protein							
					166	224	212.6857	273.8032		■						
FN0462	-1.400	9.521	1.37e-6	2.122e-7	18	40	18.0000	45.2744	AAL94658.1  DNA mismatch repair protein mutL							
					12	35	15.3749	42.7817		■						
FN0465	-1.256	14.564	4.782e-4	9.431e-4	104	195	104.0000	220.7125	AAL94661.1  Hypothetical protein							
					76	213	97.3742	260.3575		■						
FN0466	-0.060	16.914	1.128e-1	6.434e-1	295	323	295.0000	365.5904	AAL94662.1  Lysyl-tRNA synthetase							
					307	288	393.3405	352.0326		■						
FN0470	-0.264	17.849	9.081e-3	3.685e-2	427	430	427.0000	486.6993	AAL94666.1  Putative efflux pump component MtrF							
					359	473	459.9650	578.1647		■						
FN0472	1.747	24.324	1.612e-8	2.726e-10	8444	2271	8444.0000	2570.4517	AAL94668.1  Flavodoxin							
					6518	1990	8351.1187	2432.4477		■						
FN0474						6		7.3340	AAL94670.1  Acriflavin resistance protein B							

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■	+	ratios, bars
■	n/a	bars
■	-	ratios, bars
■	+	p-, q-Values
■	-	

Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0475	-2.051	9.760	1.464e-4	1.867e-4	11	53	11.0000	59.9885	AAL94671.1  MIAB protein							
					14	49	17.9374	59.8944								
FN0476	0.349	12.079	2.206e-3	6.801e-3	69	49	69.0000	55.4611	AAL94672.1  Transcription termination factor rho							
					62	50	79.4368	61.1168								
FN0477	-2.734	9.591	5.255e-6	1.223e-6	10	65	10.0000	73.5708	AAL94673.1  Cell wall endopeptidase family M23/M37							
					9	57	11.5312	69.6731								
FN0478	-0.326	6.924	2.915e-2	1.388e-1	12	11	12.0000	12.4504	AAL94674.1  GcpE protein							
					6	10	7.6874	12.2234								
FN0481						11		12.4504	AAL94677.1  unknown							
						17		20.7797								
FN0482	0.455	10.977	2.631e-2	1.232e-1	59	44	59.0000	49.8018	AAL94678.1  LSU ribosomal protein L31P							
					36	22	46.1246	26.8914								
FN0483	-0.298	13.739	1.011e-3	2.428e-3	111	120	111.0000	135.8231	AAL94679.1  Uracil phosphoribosyltransferase							
					78	101	99.9367	123.4559								
FN0484	-1.179	5.179			4	8	4.0000	9.0549	AAL94680.1  Lipase							
FN0487	-0.002	20.199	1.601e-1	9.651e-1	1065	933	1065.0000	1056.0244	AAL94683.1  2-hydroxyglutarate dehydrogenase							
					880	932	1127.4907	1139.2167								
FN0488	0.232	23.279	6.43e-3	2.463e-2	3228	2530	3228.0000	2863.6031	AAL94684.1  NAD-specific glutamate dehydrogenase							
					2879	2474	3688.6884	3024.0580								
FN0489	0.489	9.576	9.597e-3	3.936e-2	36	25	36.0000	28.2965	AAL94685.1  Prolipoprotein diacylglyceryl transferase							
					23	15	29.4685	18.3350								
FN0490						4		4.8893	AAL94686.1  Integral membrane protein							
FN0491	-0.523	10.891	3.977e-2	1.999e-1	33	61	33.0000	69.0434	AAL94687.1  Alanine racemase							
					31	29	39.7184	35.4477								
FN0493	-2.267	6.556	9.329e-4	2.185e-3	5	16	5.0000	18.1097	AAL94689.1  Hypothetical protein							
					3	20	3.8437	24.4467								
FN0494	-0.350	17.923	1.919e-3	5.765e-3	409	464	409.0000	525.1826	AAL94690.1  Short chain dehydrogenase							
					370	491	474.0586	600.1667								
FN0495	0.423	24.896	3.67e-5	2.497e-5	6337	4420	6337.0000	5002.8166	AAL94691.1  Acetyl-CoA acetyltransferase							
					5153	3801	6602.2269	4646.0973								

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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
<b>FN0496</b>						6		7.3340	AAL94692.1  unknown							
<b>FN0497</b>						5		6.4062	AAL94693.1  Plasmid addiction system poison protein							
<b>FN0501</b>	-0.572	15.318	1.268e-3	3.314e-3	156	199	156.0000	225.2399	AAL94697.1  Ornithine decarboxylase							
<b>FN0502</b>	1.159	7.811	1.78e-5	7.62e-6	23	8	23.0000	9.0549	AAL94698.1  Phosphoheptose isomerase							
<b>FN0503</b>	-0.137	11.289	2.524e-2	1.175e-1	48	43	48.0000	48.6699	AAL94699.1  Transcriptional regulatory protein, LYSR family							
<b>FN0504</b>						3		3.8437	AAL94700.1  Arginine permease							
<b>FN0505</b>	-0.498	9.628	3.89e-4	7.23e-4	23	31	23.0000	35.0876	AAL94701.1  Anthranilate synthase component II							
<b>FN0506</b>	0.209	15.637	4.281e-2	2.173e-1	279	182	279.0000	205.9983	AAL94702.1  Arginyl-tRNA synthetase							
<b>FN0511</b>	-0.866	9.704	2.724e-3	8.769e-3	21	30	21.0000	33.9558	AAL94707.1  D-lactate dehydrogenase							
<b>FN0512</b>	0.175	15.036	4.996e-3	1.823e-2	196	145	196.0000	164.1195	AAL94708.1  Flavoprotein							
<b>FN0513</b>	0.391	10.668	3.591e-5	2.388e-5	45	32	45.0000	36.2195	AAL94709.1  Flavodoxin							
<b>FN0515</b>						4		4.5274	AAL94711.1  Acriflavin resistance protein D							
<b>FN0519</b>	-1.396	5.281				6		6.7912	AAL94715.1  Hypothetical exported 24-amino acid repeat protein							
<b>FN0522</b>	-0.444	4.329				6		6.7912	AAL94718.1  Exonuclease SBCC							
<b>FN0523</b>						3	3	3.8437	3.6670	AAL94719.1  Exonuclease SBCD						
<b>FN0524</b>						17		17.0000		AAL94720.1  DNA helicase II						

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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value .005

p-Value

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2
FN0525	-0.997	14.733	2.544e-5	1.291e-5	108	196	108.0000	221.8444	AAL94721.1  Penicillin-binding protein					
					98	200	125.5615	244.4671						
FN0526	-0.169	10.723	3.901e-2	1.955e-1	34	36	34.0000	40.7469	AAL94722.1  Florfenicol resistance protein					
					34	38	43.5621	46.4487						
FN0527	-0.976	7.656	7.51e-4	1.665e-3	10	19	10.0000	21.5053	AAL94723.1  Alanyl-tRNA synthetase					
					8	15	10.2499	18.3350						
FN0528	-0.907	20.473	7.938e-5	7.754e-5	951	1436	951.0000	1625.3495	AAL94724.1  Cold shock protein					
					633	1373	811.0246	1678.2667						
FN0535	1.124	10.896	7.88e-5	7.674e-5	61	22	61.0000	24.9009	AAL94731.1  Hypothetical protein					
					53	28	67.9057	34.2254						
FN0536	0.227	15.611	3.896e-5	2.846e-5	242	184	242.0000	208.2620	AAL94732.1  DNA polymerase III, beta chain					
					189	168	242.1543	205.3524						
FN0540	-0.795	10.965	1.277e-4	1.538e-4	32	49	32.0000	55.4611	AAL94736.1  Glutamate-1-semialdehyde 2,1-aminomutase					
					28	51	35.8747	62.3391						
FN0541						6		6.7912	AAL94737.1  polysaccharide deacetylase					
						15		18.3350						
FN0542	0.228	7.946			17	17	17.0000	19.2416	AAL94738.1  Beta 1,4 glucosyltransferase					
							8							
FN0543	-0.931	10.280	3.401e-5	2.141e-5	28	45	28.0000	50.9337	AAL94739.1  Lipopolysaccharide heptosyltransferase-1					
					18	38	23.0623	46.4487						
FN0546						6		6.7912	AAL94742.1  Lipopolysaccharide core biosynthesis protein rfaQ					
FN0547	-0.841	17.021	1.858e-3	5.534e-3	326	425	326.0000	481.0401	AAL94743.1  RecA protein					
					171	405	219.0919	495.0459						
FN0549								3.6670	AAL94745.1  O-sialoglycoprotein endopeptidase					
						3								
FN0550					18		18.0000		AAL94746.1  hypothetical Protein					
FN0552	-1.197	6.812			7	10	7.0000	11.3186	AAL94748.1  Serine racemase					
								17						
FN0553	-0.155	12.692	3.125e-2	1.508e-1	85	75	85.0000	84.8894	AAL94749.1  D-serine dehydratase					
					54	71	69.1869	86.7858						

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Filter by category:

GO: amino acid transport

Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0554	-0.705	3.875			3		3.0000		AAL94750.1  D-serine permease							
						4		4.8893								
FN0556	-2.016	10.209	3.889e-5	2.836e-5	15	65	15.0000	73.5708	AAL94752.1  unknown							
					15	53	19.2186	64.7838								
FN0557	-0.995	10.065	2.426e-3	7.614e-3	31	46	31.0000	52.0655	AAL94753.1  unknown							
					12	33	15.3749	40.3371								
FN0558	-1.116	10.697	1.296e-4	1.57e-4	31	52	31.0000	58.8567	AAL94754.1  TraT complement resistance protein precursor							
					19	50	24.3435	61.1168								
FN0559	0.204	13.574	4.672e-2	2.397e-1	100	90	100.0000	101.8673	AAL94755.1  Phosphoglucomutase							
					107	85	137.0926	103.8985								
FN0561	-0.851	10.190	1.578e-5	6.215e-6	24	39	24.0000	44.1425	AAL94757.1  Proline synthetase associated protein							
					21	39	26.9060	47.6711								
FN0562	0.267	14.159	8.121e-3	3.229e-2	157	98	157.0000	110.9222	AAL94758.1  Hypothetical cytosolic protein							
					109	111	139.6551	135.6792								
FN0563	-1.470	7.713	5.619e-4	1.157e-3	11	21	11.0000	23.7690	AAL94759.1  putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					5	20	6.4062	24.4467								
FN0574	0.236	3.764			4	3	4.0000	3.3956	AAL94770.1  Hypothetical cytosolic protein							
FN0576	-1.044	11.064	9.375e-4	2.199e-3	26	58	26.0000	65.6478	AAL94772.1  hypothetical protein							
					30	55	38.4372	67.2285								
FN0577									AAL94773.1  Hypothetical protein							
						4		4.8893								
FN0579	-0.091	17.086	9.155e-3	3.72e-2	350	341	350.0000	385.9639	AAL94775.1  Hypothetical cytosolic protein							
					291	314	372.8407	383.8133								
FN0580									AAL94776.1  Penicillin-binding protein							
						21		23.7690								
FN0581	-1.448	6.807							AAL94777.1  Lipoprotein releasing system transmembrane protein l0E							
					5	11	6.4062	13.4457								
FN0582	-1.230	9.787	1.291e-3	3.398e-3	26	34	26.0000	38.4832	AAL94778.1  Lipoprotein releasing system ATP-binding protein l0D							
					10	43	12.8124	52.5604								
FN0583									AAL94779.1  Hypothetical Exported Protein							
						7		7.9230								

Show detected proteins only  
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Proteins found:  
 1297

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Test Cutoff

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0585	-1.050	5.050			4	6	4.0000	6.7912	AAL94781.1  Two-component response regulator czcR							
						8		9.7787								
FN0586	-0.720	4.720			4	3	4.0000	3.3956	AAL94782.1  Two-component sensor kinase czcS							
						8		9.7787								
FN0590	-1.114	6.380	3.959e-3	1.375e-2	6	14	6.0000	15.8460	AAL94786.1  N-acyl-L-amino acid amidohydrolase							
					5	9	6.4062	11.0010								
FN0592	-0.765	12.472	9.214e-4	2.15e-3	49	84	49.0000	95.0762	AAL94788.1  ATP-dependent DNA helicase pcrA							
					52	83	66.6245	101.4538								
FN0593	0.036	10.928	1.128e-1	6.434e-1	42	36	42.0000	40.7469	AAL94789.1  UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase							
					37	38	47.4059	46.4487								
FN0594	0.014	5.986			8	7	8.0000	7.9230	AAL94790.1  (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase							
FN0595	0.824	9.288	5.432e-2	2.84e-1	14	17	14.0000	19.2416	AAL94791.1  Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase							
					41	15	52.5308	18.3350								
FN0596	-1.328	8.498			12	23	12.0000	26.0328	AAL94792.1  Hypothetical protein							
						28		34.2254								
FN0597	-1.240	9.009	1.167e-3	2.945e-3	18	26	18.0000	29.4283	AAL94793.1  Lipid-A-disaccharide synthase							
					9	33	11.5312	40.3371								
FN0598	-0.350	9.446	1.566e-2	6.843e-2	25	30	25.0000	33.9558	AAL94794.1  Phospholipid-lipopolysaccharide ABC transporter							
					17	21	21.7811	25.6690								
FN0600	0.162	12.539	5.949e-2	3.142e-1	94	63	94.0000	71.3071	AAL94796.1  Hypothetical protein							
					54	61	69.1869	74.5625								
FN0601						31		35.0876	AAL94797.1  Hypothetical exported 24-amino acid repeat protein							
						27		33.0031								
FN0602	-0.483	14.163	1.868e-4	2.623e-4	110	148	110.0000	167.5151	AAL94798.1  Hypothetical protein							
					93	125	119.1553	152.7919								
FN0603									AAL94799.1  Transcriptional regulatory protein, LYSR family							
						4		4.8893								
FN0605									AAL94801.1  Aspartate aminotransferase							
					5		6.4062									
FN0608	0.080	10.922	2.224e-2	1.017e-1	47	39	47.0000	44.1425	AAL94804.1  Exoribonuclease II							
					34	34	43.5621	41.5594								

Show detected proteins only  
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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0610	-0.543	15.636	2.075e-4	3.071e-4	201	248	201.0000	280.7010	AAL94806.1  unknown							
					135	216	172.9673	264.0245								
FN0611	-0.494	17.949	1.756e-3	5.151e-3	471	541	471.0000	612.3357	AAL94807.1  Threonyl-tRNA synthetase							
					294	476	376.6844	581.8317								
FN0612	-0.449	13.835	3.803e-2	1.897e-1	66	107	66.0000	121.1089	AAL94808.1  Hypothetical protein							
					110	132	140.9363	161.3483								
FN0616	-0.494	11.072	1.783e-2	7.93e-2	50	53	50.0000	59.9885	AAL94812.1  Hypothetical protein							
					22	41	28.1873	50.1158								
FN0617	-0.472	15.195	9.75e-5	1.048e-4	170	200	170.0000	226.3718	AAL94813.1  DNA polymerase III, beta chain							
					124	188	158.8737	229.7991								
FN0618	-1.074	13.277	4.123e-5	3.105e-5	72	128	72.0000	144.8779	AAL94814.1  Spermidine/putrescine-binding protein							
					51	118	65.3432	144.2356								
FN0619	-0.843	8.477				22		24.9009	AAL94815.1  Small-conductance mechanosensitive channel							
					11	21	14.0936	25.6690								
FN0621	0.032	11.512	1.478e-1	8.778e-1	67	48	67.0000	54.3292	AAL94817.1  4-hydroxybutyrate coenzyme A transferase							
					33	43	42.2809	52.5604								
FN0622	-0.586	4.529	1.697e-4	2.285e-4	4	5	4.0000	5.6593	AAL94818.1  8-oxoguanine DNA glycosylase							
					3	5	3.8437	6.1117								
FN0625	0.628	10.033	2.237e-2	1.024e-1	51	19	51.0000	21.5053	AAL94821.1  Aspartate aminotransferase							
					23	25	29.4685	30.5584								
FN0627	0.549	15.693	1.368e-4	1.7e-4	284	158	284.0000	178.8337	AAL94823.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					213	165	272.9040	201.6854								
FN0628	1.666	6.825	6.355e-4	1.355e-3	20	3	20.0000	3.3956	AAL94824.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					14	7	17.9374	8.5563								
FN0629	1.101	9.400	3.787e-4	6.97e-4	39	13	39.0000	14.7142	AAL94825.1  PTS system, IID component							
					29	17	37.1559	20.7797								
FN0630	0.839	8.337			34		34.0000		AAL94826.1  PTS system, IIC component							
					11	11	14.0936	13.4457								
FN0631	-0.712	7.927	6.122e-3	2.322e-2	9	18	9.0000	20.3735	AAL94827.1  PTS system, IIB component							
					12	16	15.3749	19.5574								
FN0633	-0.507	5.963	5.275e-2	2.747e-1	3	8	3.0000	9.0549	AAL94829.1  Replication protein							
					8	8	10.2499	9.7787								

Show detected proteins only  
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Proteins found: 1297

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots



Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0634	-0.464	13.823	1.253e-3	3.257e-3	105	117	105.0000	132.4275	AAL94830.1  GTP-binding protein TypA/BipA							
					78	123	99.9367	150.3473								
FN0636						6		6.7912	AAL94832.1  Hypothetical protein							
FN0637	-0.561	5.319	7.934e-3	3.142e-2	4	6	4.0000	6.7912	AAL94833.1  Hypothetical exported 24-amino acid repeat protein							
					5	7	6.4062	8.5563								
FN0643	-0.252	7.818	3.311e-2	1.615e-1	16	16	16.0000	18.1097	AAL94839.1  hypothetical DNA-binding protein							
					9	12	11.5312	14.6680								
FN0644	-0.400	10.754	3.796e-2	1.893e-1	48	39	48.0000	44.1425	AAL94840.1  Uroporphyrin-III C-methyltransferase							
					19	42	24.3435	51.3381								
FN0645	-0.577	5.907	9.526e-3	3.902e-2	5	7	5.0000	7.9230	AAL94841.1  Porphobilinogen deaminase							
					6	9	7.6874	11.0010								
FN0646					11		11.0000		AAL94842.1  Glutamyl-tRNA reductase							
FN0647					5		5.0000		AAL94843.1  transcriptional regulator							
FN0652	-0.162	22.228	2.716e-2	1.279e-1	2302	2050	2302.0000	2320.3108	AAL94848.1  Glyceraldehyde 3-phosphate dehydrogenase							
					1474	1937	1888.5469	2367.6639								
FN0653	-1.204	10.051	6.921e-4	1.509e-3	16	42	16.0000	47.5381	AAL94849.1  unknown							
					21	42	26.9060	51.3381								
FN0654	-0.605	18.012	6.725e-4	1.457e-3	366	532	366.0000	602.1490	AAL94850.1  Phosphoglycerate kinase							
					365	545	467.6524	666.1729								
FN0655	-0.599	11.889	1.606e-2	7.04e-2	36	54	36.0000	61.1204	AAL94851.1  unknown							
					50	74	64.0620	90.4528								
FN0656	-1.318	11.420	1.331e-3	3.554e-3	33	64	33.0000	72.4390	AAL94852.1  Hypothetical protein							
					26	76	33.3122	92.8975								
FN0657						9		10.1867	AAL94853.1  Acetyltransferase							
FN0658	0.052	14.536	4.079e-2	2.059e-1	155	139	155.0000	157.3284	AAL94854.1  ABC transporter substrate-binding protein							
					124	119	158.8737	145.4579								
FN0660	-0.653	6.461	3.459e-3	1.168e-2	6	10	6.0000	11.3186	AAL94856.1  ABC transporter ATP-binding protein							
					7	10	8.9687	12.2234								

Show detected proteins only

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Filter by category:

GO: amino acid transport

Proteins found:

1297

Enter (or paste) list of ORFs

Find ORFs

**Test**      **Cutoff**

q-Value      .005

p-Value

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots    Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0662	0.263	10.716	1.425e-2	6.149e-2	45	37	45.0000	41.8788	AAL94858.1  Formiminoglutamase							
					35	27	44.8434	33.0031								
FN0664	-0.587	14.000	2.851e-3	9.277e-3	123	126	123.0000	142.6142	AAL94860.1  2-nitropropane dioxygenase							
					67	140	85.8430	171.1270								
FN0666						9		10.1867	AAL94862.1  Hypothetical protein							
						10		12.2234								
FN0668	-1.596	8.436	1.109e-3	2.747e-3	15	28	15.0000	31.6921	AAL94864.1  High-affinity zinc uptake system protein znuA precursor							
					5	27	6.4062	33.0031								
FN0672									AAL94868.1  ATPase							
					9		11.5312									
FN0675	-0.047	20.137	9.545e-2	5.335e-1	974	936	974.0000	1059.4200	AAL94871.1  60 kDa chaperonin GROEL							
					889	919	1139.0219	1123.3263								
FN0676	-1.245	14.012	5.316e-4	1.079e-3	76	193	76.0000	218.4488	AAL94872.1  10 kDa chaperonin GROES							
					71	145	90.9680	177.2386								
FN0677	-1.849	10.827	1.647e-5	6.684e-6	18	76	18.0000	86.0213	AAL94873.1  Hypothetical protein							
					21	62	26.9060	75.7848								
FN0678	-0.784	11.988	9.635e-5	1.029e-4	51	70	51.0000	79.2301	AAL94874.1  Ser/Thr protein kinase							
					36	72	46.1246	88.0082								
FN0679	-2.037	5.922				16		18.1097	AAL94875.1  GTPase							
					3	11	3.8437	13.4457								
FN0680					6		6.0000		AAL94876.1  Ribulose-phosphate 3-epimerase							
					4		5.1250									
FN0681	-0.629	15.534	5.92e-4	1.237e-3	176	227	176.0000	256.9320	AAL94877.1  Transcriptional regulator, MarR family							
					136	233	174.2486	284.8042								
FN0682	-0.398	8.618	4.682e-2	2.403e-1	23	24	23.0000	27.1646	AAL94878.1  Fibronectin-binding protein-like protein A							
					9	15	11.5312	18.3350								
FN0684					3		3.0000		AAL94880.1  Prismane protein							
FN0685	-1.816	8.059	3.693e-5	2.531e-5	11	25	11.0000	28.2965	AAL94881.1  Sodium/pantothenate symporter							
					5	27	6.4062	33.0031								
FN0688	-2.434	8.604	1.698e-8	3.432e-10	8	40	8.0000	45.2744	AAL94884.1  Hypothetical protein							
					7	38	8.9687	46.4487								

Show detected proteins only  
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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0689	-1.277	14.954	3.587e-5	2.382e-5	120	234	120.0000	264.8550	AAL94885.1  Hypothetical protein							
					85	237	108.9054	289.6935		■						
FN0692	-2.211	6.096				12		13.5823	AAL94888.1  Nitrogen regulation protein NIFR3							
					3	18	3.8437	22.0020		■						
FN0693	-1.515	8.434			11	21	11.0000	23.7690	AAL94889.1  DNA mismatch repair protein mutS							
						32		39.1147		■						
FN0694	-0.881	11.895	4.819e-4	9.525e-4	41	67	41.0000	75.8345	AAL94890.1  S-layer protein							
					39	75	49.9683	91.6752		■						
FN0695	-0.332	9.455	4.54e-2	2.321e-1	28	32	28.0000	36.2195	AAL94891.1  ABC transporter ATP-binding protein							
					15	19	19.2186	23.2244		■						
FN0697	-0.279	15.429	1.298e-3	3.428e-3	202	210	202.0000	237.6904	AAL94893.1  Alanyl-tRNA synthetase							
					140	184	179.3735	224.9097		■						
FN0699	-0.586	13.346	2.026e-3	6.156e-3	82	101	82.0000	114.3178	AAL94895.1  Protein translocase subunit secD							
					66	111	84.5618	135.6792		■						
FN0700	-1.124	10.813	1.864e-3	5.557e-3	28	48	28.0000	54.3292	AAL94896.1  Protein translocase subunit secF							
					23	58	29.4685	70.8955		■						
FN0701	-0.241	15.049	4.958e-4	9.89e-4	176	182	176.0000	205.9983	AAL94897.1  Methyltransferase							
					127	159	162.7174	194.3513		■						
FN0705	-0.928	13.173	3.658e-5	2.481e-5	65	123	65.0000	139.2187	AAL94901.1  DNA polymerase I							
					58	103	74.3119	125.9006		■						
FN0706	-0.664	5.834			6	6	6.0000	6.7912	AAL94902.1  Hypothetical cytosolic protein							
						10		12.2234		■						
FN0707	-1.492	7.564	1.176e-3	2.978e-3	10	17	10.0000	19.2416	AAL94903.1  Riboflavin kinase							
					5	22	6.4062	26.8914		■						
FN0710	-0.639	11.457	1.889e-3	5.652e-3	44	64	44.0000	72.4390	AAL94906.1  Hypothetical protein							
					32	49	40.9997	59.8944		■						
FN0711	-0.279	6.543	6.685e-2	3.574e-1	6	8	6.0000	9.0549	AAL94907.1  Phosphopantothenate--cysteine ligase							
					9	10	11.5312	12.2234		■						
FN0715	0.854	14.829	4.094e-3	1.433e-2	264	113	264.0000	127.9001	AAL94911.1  Hypothetical protein							
					152	103	194.7484	125.9006		■						
FN0716	-1.301	10.767	1.141e-3	2.855e-3	25	65	25.0000	73.5708	AAL94912.1  hypothetical protein							
					22	47	28.1873	57.4498		■						

Show detected proteins only  
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 Filter by category:

Proteins found: 1297

Test Cutoff

Signif	Direction	Applies To
■	yes +	ratios, bars
■	no n/a	bars
■	yes -	ratios, bars
■	yes +	p-, q-Values
■	yes -	

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0717	-0.553	5.197			5		5.0000		AAL94913.1  Ribosomal small subunit pseudouridine synthase A							
						6		7.3340								
FN0719									AAL94915.1  Hypothetical cytosolic protein							
						9		10.1867								
FN0720	-1.880	12.850	7.657e-5	7.375e-5	46	139	46.0000	157.3284	AAL94916.1  Protein Translation Elongation Factor P (EF-P)							
						34	141	43.5621	172.3493							
FN0721	-1.131	11.511	2.317e-4	3.61e-4	32	70	32.0000	79.2301	AAL94917.1  Hypothetical protein							
						32	66	40.9997	80.6741							
FN0722	-1.872	5.872			4	14	4.0000	15.8460	AAL94918.1  WD-repeat family protein							
							11		13.4457							
FN0724	0.344	10.574	1.666e-2	7.341e-2	38	31	38.0000	35.0876	AAL94920.1  Flavodoxin							
						39	28	49.9683	34.2254							
FN0725	0.016	6.642	1.604e-1	9.67e-1	6	10	6.0000	11.3186	AAL94921.1  Molybdopterin biosynthesis MoeB protein							
						11	7	14.0936	8.5563							
FN0728	0.298	10.116	9.09e-4	2.113e-3	38	25	38.0000	28.2965	AAL94924.1  Hypothetical protein							
						28	26	35.8747	31.7807							
FN0729	-0.521	14.939	6.743e-4	1.462e-3	146	197	146.0000	222.9762	AAL94925.1  Phosphoglycerate mutase							
						117	165	149.9050	201.6854							
FN0731	-0.059	8.739	7.61e-2	4.131e-1	20	20	20.0000	22.6372	AAL94927.1  Hypothetical protein							
						16	16	20.4998	19.5574							
FN0733	0.483	14.007	3.863e-5	2.793e-5	147	100	147.0000	113.1859	AAL94929.1  Peptidase T							
						122	85	156.3112	103.8985							
FN0734									AAL94930.1  Fe-S oxidoreductase							
						9		10.1867								
FN0735	-0.054	13.439	1.183e-1	6.795e-1	89	99	89.0000	112.0540	AAL94931.1  Cell surface protein							
						92	84	117.8740	102.6762							
FN0736					5		5.0000		AAL94932.1  Methyltransferase							
						8		10.2499								
FN0737					15		15.0000		AAL94933.1  Hypothetical protein							
						10		12.8124								
FN0738	-1.700	10.360	5.852e-5	5.076e-5	21	55	21.0000	62.2522	AAL94934.1  Hypothetical exported 24-amino acid repeat protein							
						15	56	19.2186	68.4508							

Show detected proteins only  
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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0739	0.591	16.351	9.206e-5	9.607e-5	338	196	338.0000	221.8444	AAL94935.1  Formiminotetrahydrofolate cyclodeaminase							
					290	204	371.5594	249.3564								
FN0740	-0.616	17.012	1.28e-4	1.542e-4	308	401	308.0000	453.8754	AAL94936.1  Imidazolonepropionase							
					218	365	279.3102	446.1525								
FN0741	0.288	18.624	2.784e-3	9.005e-3	659	525	659.0000	594.2259	AAL94937.1  Glutamate formiminotransferase							
					582	455	745.6814	556.1627								
FN0742	-0.460	11.802	2.817e-2	1.334e-1	66	72	66.0000	81.4938	AAL94938.1  unknown							
					28	48	35.8747	58.6721								
FN0743	0.211	7.022	5.456e-3	2.028e-2	13	9	13.0000	10.1867	AAL94939.1  ATP-dependent helicase, DinG family							
					9	9	11.5312	11.0010								
FN0745	-0.765	14.194	3.351e-3	1.126e-2	114	135	114.0000	152.8010	AAL94941.1  metal dependent phosphohydrolase							
					75	167	96.0930	204.1300								
FN0746						9		10.1867	AAL94942.1  Hypothetical Metal-Binding Protein							
FN0749	-0.864	5.579				10		11.3186	AAL94945.1  Hypothetical protein							
					4	6	5.1250	7.3340								
FN0750	-1.869	8.204	2.312e-4	3.598e-4	9	31	9.0000	35.0876	AAL94946.1  Hypothetical protein							
					7	25	8.9687	30.5584								
FN0751	-0.623	8.276	2.707e-3	8.698e-3	13	17	13.0000	19.2416	AAL94947.1  L-asparaginase I							
					12	20	15.3749	24.4467								
FN0752	-1.588	6.788	1.331e-4	1.632e-4	7	16	7.0000	18.1097	AAL94948.1  Proline iminopeptidase							
					4	15	5.1250	18.3350								
FN0753	1.007	12.778	5.188e-4	1.047e-3	121	44	121.0000	49.8018	AAL94949.1  Glutamyl-tRNA(Gln) amidotransferase subunit B							
					91	56	116.5928	68.4508								
FN0754	-0.034	13.692	1.354e-1	7.925e-1	130	102	130.0000	115.4496	AAL94950.1  Glutamyl-tRNA(Gln) amidotransferase subunit A							
					76	96	97.3742	117.3442								
FN0755	-0.741	11.029	1.173e-3	2.969e-3	31	58	31.0000	65.6478	AAL94951.1  Glutamyl-tRNA(Gln) amidotransferase subunit C							
					31	43	39.7184	52.5604								
FN0758	-0.951	14.496	1.389e-4	1.738e-4	111	179	111.0000	202.6028	AAL94954.1  Rod shape-determining protein mreB							
					84	180	107.6241	220.0204								
FN0761	-0.342	7.659	4.446e-2	2.267e-1	15	11	15.0000	12.4504	AAL94957.1  Bvg accessory factor							
					8	16	10.2499	19.5574								

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Proteins found: 1297

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Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
<b>FN0765</b>	-1.411	5.411			4	8	4.0000	9.0549	AAL94961.1  tRNA (5-methylaminomethyl -2-thiouridylate) -methyltransferase							
						10		12.2234								
<b>FN0766</b>	0.488	8.871				15		16.9779	AAL94962.1  Large-conductance mechanosensitive channel							
					20	16	25.6248	19.5574								
<b>FN0768</b>	-1.399	5.399			4	10	4.0000	11.3186	AAL94964.1  Hemin receptor							
						8		9.7787								
<b>FN0771</b>									AAL94967.1  Oxygen-independent coproporphyrinogen III oxidase							
						14		17.1127								
<b>FN0772</b>						7		7.9230	AAL94968.1  Flavodoxin							
						3		3.6670								
<b>FN0774</b>	-0.436	14.423	9.202e-3	3.744e-2	105	148	105.0000	167.5151	AAL94970.1  Hypothetical cytosolic protein							
					117	145	149.9050	177.2386								
<b>FN0775</b>	-0.699	16.200	1.849e-6	3.037e-7	218	313	218.0000	354.2719	AAL94971.1  Aspartyl aminopeptidase							
					166	282	212.6857	344.6986								
<b>FN0776</b>	-0.808	12.351	1.605e-3	4.605e-3	58	75	58.0000	84.8894	AAL94972.1  Aspartate-ammonia ligase							
					40	87	51.2496	106.3432								
<b>FN0777</b>	0.357	12.533	1.327e-2	5.67e-2	91	50	91.0000	56.5929	AAL94973.1  GTP-binding protein lepA							
					65	65	83.2806	79.4518								
<b>FN0778</b>	-1.087	8.721				27		30.5602	AAL94974.1  Methyltransferase							
					11	24	14.0936	29.3361								
<b>FN0783</b>	0.931	23.698	4.028e-3	1.405e-2	5918	2445	5918.0000	2767.3951	AAL94979.1  acyl-CoA dehydrogenase							
					3331	2107	4267.8086	2575.4609								
<b>FN0784</b>	-0.082	22.427	9.113e-2	5.064e-1	1997	2170	1997.0000	2456.1339	AAL94980.1  Electron transfer flavoprotein beta-subunit							
					2044	1988	2618.8534	2430.0030								
<b>FN0785</b>	-0.348	21.263	1.182e-3	2.999e-3	1458	1670	1458.0000	1890.2044	AAL94981.1  Electron transfer flavoprotein alpha-subunit							
					1057	1381	1354.2701	1688.0453								
<b>FN0788</b>	0.016	8.675	1.563e-1	9.377e-1	24	15	24.0000	16.9779	AAL94984.1  unknown							
					13	19	16.6561	23.2244								
<b>FN0790</b>	-1.717	6.361			5	15	5.0000	16.9779	AAL94986.1  Xylose repressor							
						13		15.8904								
<b>FN0791</b>	-0.404	18.068	1.095e-3	2.699e-3	459	558	459.0000	631.5773	AAL94987.1  Histidine ammonia-lyase							
					353	470	452.2775	574.4977								

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q-Value

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.005

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no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0792	-0.341	19.854	2.672e-4	4.339e-4	823	1002	823.0000	1134.1227	AAL94988.1  Urocanate hydratase							
					708	865	907.1175	1057.3202								
FN0793	0.585	9.049				17		19.2416	AAL94989.1  Sodium/glutamate symport carrier protein							
					22	15	28.1873	18.3350								
FN0794	-0.428	6.043			7	8	7.0000	9.0549	AAL94990.1  Hypothetical protein							
						8		9.7787								
FN0796	-0.552	14.481	1.323e-4	1.618e-4	128	168	128.0000	190.1523	AAL94992.1  Pyruvate,phosphate dikinase							
					95	144	121.7177	176.0163								
FN0798	0.280	7.582	1.017e-1	5.729e-1	10	6	10.0000	6.7912	AAL94994.1  Fructose-1,6-bisphosphatase							
					16	15	20.4998	18.3350								
FN0799	-0.172	7.573			13	14	13.0000	15.8460	AAL94995.1  Isoamylase							
						11		13.4457								
FN0800	1.398	11.810	1.159e-3	2.917e-3	110	35	110.0000	39.6151	AAL94996.1  Amino acid-binding protein							
					66	28	84.5618	34.2254								
FN0801						9		10.1867	AAL94997.1  Amino acid transport ATP-binding protein							
						9		11.0010								
FN0803	-1.139	12.385	3.573e-3	1.215e-2	55	114	55.0000	129.0319	AAL94999.1  Cytochrome C-TYPE biogenesis protein ccdA							
					34	72	43.5621	88.0082								
FN0805	-0.640	4.583			4		4.0000		AAL95001.1  Hypothetical protein							
					3	5	3.8437	6.1117								
FN0806	-0.680	13.041	1.185e-3	3.01e-3	81	92	81.0000	104.1310	AAL95002.1  SpoIID homolog							
					50	105	64.0620	128.3452								
FN0807	-0.330	9.925	4.398e-2	2.24e-1	30	38	30.0000	43.0106	AAL95003.1  3-deoxy-manno-octulosonate cytidyltransferase							
					20	22	25.6248	26.8914								
FN0808	-0.392	11.325	4.92e-3	1.79e-2	50	55	50.0000	62.2522	AAL95004.1  Phosphoglycerate mutase							
					30	44	38.4372	53.7828								
FN0809	-1.127	8.045			11	23	11.0000	26.0328	AAL95005.1  23S rRNA methyltransferase							
						18		22.0020								
FN0810	-1.644	9.813	1.044e-4	1.167e-4	16	44	16.0000	49.8018	AAL95006.1  Low-specificity threonine aldolase							
					14	46	17.9374	56.2274								
FN0813	-0.317	6.632	9.265e-2	5.159e-1	14	11	14.0000	12.4504	AAL95009.1  Transcriptional regulator, TetR family							
					3	8	3.8437	9.7787								

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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0814	-0.729	16.413	3.378e-5	2.113e-5	241	322	241.0000	364.4586	AAL95010.1  Propionate CoA-transferase							
					170	324	217.8107	396.0367								
FN0815	0.171	11.483	1.807e-2	8.055e-2	61	47	61.0000	53.1974	AAL95011.1  Propionate permease							
					41	39	52.5308	47.6711								
FN0816	-1.830	14.326	1.691e-5	6.994e-6	70	228	70.0000	258.0638	AAL95012.1  dehydrogenase with MaoC-like domain							
					64	231	81.9993	282.3595								
FN0818	-0.030	19.677	1.22e-1	7.032e-1	852	761	852.0000	861.3447	AAL95014.1  DNA-binding protein HU							
					749	809	959.6483	988.8694								
FN0819	-0.003	12.089	1.633e-1	9.878e-1	55	53	55.0000	59.9885	AAL95015.1  Tetratricopeptide repeat family protein							
					60	59	76.8744	72.1178								
FN0820	-0.244	14.313	7.001e-3	2.717e-2	120	134	120.0000	151.6691	AAL95016.1  Mercuric reductase							
					111	130	142.2176	158.9036								
FN0821	-1.142	12.084	2.269e-4	3.499e-4	40	79	40.0000	89.4169	AAL95017.1  Hypothetical protein							
					38	87	48.6871	106.3432								
FN0823	0.170	8.375	8.063e-2	4.41e-1	22	12	22.0000	13.5823	AAL95019.1  GTP-binding protein hflX							
					13	17	16.6561	20.7797								
FN0825	-1.529	11.525	7.45e-5	7.091e-5	37	83	37.0000	93.9443	AAL95021.1  Hypothetical cytosolic protein							
					21	74	26.9060	90.4528								
FN0826	-0.526	10.521	1.786e-3	5.264e-3	28	37	28.0000	41.8788	AAL95022.1  periplasmic component of efflux system							
					28	41	35.8747	50.1158								
FN0827	-1.579	9.833	4.789e-3	1.733e-2	17	35	17.0000	39.6151	AAL95023.1  ABC transporter ATP-binding protein							
					14	53	17.9374	64.7838								
FN0828	-1.647	6.817			6	17	6.0000	19.2416	AAL95024.1  ABC transporter permease protein							
						15		18.3350								
FN0830	-1.340	8.606	4.172e-3	1.467e-2	12	22	12.0000	24.9009	AAL95026.1  Hypothetical protein							
					10	31	12.8124	37.8924								
FN0832	0.226	12.551	1.779e-2	7.913e-2	92	65	92.0000	73.5708	AAL95028.1  Hypothetical protein							
					59	57	75.5931	69.6731								
FN0833	-2.045	9.517	7.314e-4	1.613e-3	10	41	10.0000	46.4062	AAL95029.1  Hypothetical protein							
					13	52	16.6561	63.5614								
FN0834	-0.963	9.550	1.062e-5	3.442e-6	20	33	20.0000	37.3513	AAL95030.1  Hypothetical Exported Protein							
					15	32	19.2186	39.1147								

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

ratios, bars  
bars  
ratios, bars  
p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0836	0.384	8.006	7.241e-2	3.906e-1	11	14	11.0000	15.8460	AAL95032.1  Hypothetical protein							
					20	10	25.6248	12.2234								
FN0846	-1.032	12.029	1.323e-3	3.524e-3	43	91	43.0000	102.9992	AAL95042.1  Hypothetical Exported Protein							
					37	67	47.4059	81.8965								
FN0847	-1.892	7.222	1.49e-5	5.662e-6	5	20	5.0000	22.6372	AAL95043.1  TPR-repeat-containing proteins							
					6	20	7.6874	24.4467								
FN0849	-0.787	9.278	3.527e-3	1.196e-2	20	33	20.0000	37.3513	AAL95045.1  8-amino-7-oxononanoate synthase							
					14	23	17.9374	28.1137								
FN0850	-1.330	7.402	1.025e-4	1.134e-4	10	17	10.0000	19.2416	AAL95046.1  Hypothetical cytosolic protein							
					5	18	6.4062	22.0020								
FN0853	-0.782	10.665	6.092e-6	1.522e-6	32	48	32.0000	54.3292	AAL95049.1  Glycogen synthase							
					23	42	29.4685	51.3381								
FN0854	0.226	11.489	3.804e-2	1.898e-1	66	39	66.0000	44.1425	AAL95050.1  Glucose-1-phosphate adenylyltransferase							
					39	45	49.9683	55.0051								
FN0855	-0.839	13.027	4.245e-7	3.817e-8	70	109	70.0000	123.3726	AAL95051.1  Glucose-1-phosphate adenylyltransferase							
					52	99	66.6245	121.0112								
FN0856	-0.627	11.514	7.566e-3	2.973e-2	55	55	55.0000	62.2522	AAL95052.1  1,4-alpha-glucan branching enzyme							
					25	59	32.0310	72.1178								
FN0857	-0.346	14.955	3.947e-3	1.37e-2	165	192	165.0000	217.3169	AAL95053.1  Glycogen phosphorylase							
					118	151	151.1863	184.5727								
FN0858	-2.182	7.017	4.324e-4	8.285e-4	3	18	3.0000	20.3735	AAL95054.1  4-alpha-glucanotransferase							
					6	23	7.6874	28.1137								
FN0865	-0.763	9.598	1.47e-2	6.369e-2	12	36	12.0000	40.7469	AAL95061.1  unknown							
					24	26	30.7497	31.7807								
FN0867	-0.731	13.510	4.801e-5	3.853e-5	78	126	78.0000	142.6142	AAL95063.1  Long-chain-fatty-acid--CoA ligase							
					70	111	89.6868	135.6792								
FN0868						8		9.0549	AAL95064.1  ATPases of the PP superfamily							
						5		6.1117								
FN0869	-1.027	4.197			3		3.0000		AAL95065.1  Hydrolase (HAD superfamily)							
						5		6.1117								
FN0870	0.817	6.040			10		10.0000		AAL95066.1  Rhodanese-related sulfurtransferases							
					9	5	11.5312	6.1117								

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p-Value

.005

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no	n/a	bars
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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0871	-0.535	6.875			9	9	9.0000	10.1867	AAL95067.1  3-dehydroquinase synthase							
						13		15.8904								
FN0873	-0.043	8.609	1.209e-1	6.963e-1	21	16	21.0000	18.1097	AAL95069.1  Protease IV							
					14	18	17.9374	22.0020								
FN0875					5		5.0000		AAL95071.1  23S rRNA methyltransferase							
FN0878	0.358	8.934	1.732e-2	7.67e-2	27	14	27.0000	15.8460	AAL95074.1  Transcriptional regulator, GntR family							
					18	19	23.0623	23.2244								
FN0885									AAL95081.1  Hemin-binding periplasmic protein hmuT precursor							
						10		12.2234								
FN0886	-2.221	5.391			3	15	3.0000	16.9779	AAL95082.1  Hemin receptor							
						9		11.0010								
FN0887	-0.665	11.445	1.368e-3	3.7e-3	48	57	48.0000	64.5160	AAL95083.1  Oligoendopeptidase F							
					28	56	35.8747	68.4508								
FN0888	-0.277	9.804	4.042e-2	2.037e-1	21	29	21.0000	32.8239	AAL95084.1  Uracil permease							
					26	27	33.3122	33.0031								
FN0889									AAL95085.1  hypothetical protein							
						9		10.1867								
FN0893	-0.745	7.623	5.864e-3	2.207e-2	14	17	14.0000	19.2416	AAL95089.1  Hypothetical protein							
					6	14	7.6874	17.1127								
FN0896	-0.412	8.220	1.307e-2	5.572e-2	12	19	12.0000	21.5053	AAL95092.1  Hypothetical protein							
					14	15	17.9374	18.3350								
FN0900									AAL95096.1  Metal dependent hydrolase							
						4		4.5274								
FN0901									AAL95097.1  DNA polymerase, bacteriophage-type							
						5		6.1117								
FN0902									AAL95098.1  5-formyltetrahydrofolate cyclo-ligase							
					6		6.0000									
FN0903	0.458	7.418	3.434e-3	1.158e-2	14	10	14.0000	11.3186	AAL95099.1  Polysialic acid capsule expression protein kpsF							
					13	9	16.6561	11.0010								
FN0905	-0.658	7.805	1.363e-4	1.691e-4	11	17	11.0000	19.2416	AAL95101.1  Hypothetical protein							
					10	15	12.8124	18.3350								

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no	n/a	bars
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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0906	-1.134	8.049	5.811e-4	1.208e-3	13	21	13.0000	23.7690	AAL95102.1  Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					7	20	8.9687	24.4467								
FN0908	-0.797	8.726	1.811e-3	5.357e-3	12	22	12.0000	24.9009	AAL95104.1  Tpl protein							
					15	24	19.2186	29.3361								
FN0910						3		3.3956	AAL95106.1  Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
						9		11.0010								
FN0911	-0.519	6.133			7	8	7.0000	9.0549	AAL95107.1  Alpha-ribazole-5'-phosphate phosphatase							
						9		11.0010								
FN0913	-1.458	4.628			3	7	3.0000	7.9230	AAL95109.1  Cobinamide kinase							
						7		8.5563								
FN0915	0.092	9.413	1.574e-3	4.491e-3	27	22	27.0000	24.9009	AAL95111.1  PTS system, N-acetylglucosamine-specific IIA component							
					21	21	26.9060	25.6690								
FN0916	0.625	15.448	5.657e-3	2.116e-2	301	141	301.0000	159.5921	AAL95112.1  Hypothetical Exported Protein							
					175	148	224.2169	180.9057								
FN0917	-1.390	5.275				7		7.9230	AAL95113.1  Hypothetical protein							
					3	10	3.8437	12.2234								
FN0920	-0.352	5.842			7		7.0000		AAL95116.1  Protease HTPX							
					5	7	6.4062	8.5563								
FN0921	0.422	6.319	4.465e-2	2.278e-1	13	5	13.0000	5.6593	AAL95117.1  Hypothetical protein							
					6	8	7.6874	9.7787								
FN0922					3		3.0000		AAL95118.1  Homoserine kinase							
FN0924					3		3.8437		AAL95120.1  Hypothetical protein							
FN0925	-0.431	6.553	2.228e-2	1.019e-1	9	8	9.0000	9.0549	AAL95121.1  Hypothetical protein							
					6	11	7.6874	13.4457								
FN0926	0.381	5.908			10	6	10.0000	6.7912	AAL95122.1  GTP pyrophosphokinase							
					6		7.6874									
FN0928	-0.420	5.552			8	7	8.0000	7.9230	AAL95124.1  O-sialoglycoprotein endopeptidase							
					3		3.8437									
FN0929					6		7.6874		AAL95125.1  ATP/GTP hydrolase							

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no	n/a	bars
yes	-	ratios, bars
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Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0930						16		18.1097	AAL95126.1  Glycerol-3-phosphate cytidyltransferase							
						14		17.1127								
FN0932	-1.612	6.563	8.808e-5	8.998e-5	6	16	6.0000	18.1097	AAL95128.1  Hypothetical protein							
					4	13	5.1250	15.8904								
FN0933					3		3.0000		AAL95129.1  3-phosphoshikimate 1-carboxyvinyltransferase							
FN0934						8		9.0549	AAL95130.1  Chorismate synthase							
						6		7.3340								
FN0940					10		10.0000		AAL95136.1  Hypothetical protein							
					9		11.5312									
FN0941	0.493	9.225	3.183e-3	1.059e-2	26	17	26.0000	19.2416	AAL95137.1  Gamma-glutamyltranspeptidase							
					25	18	32.0310	22.0020								
FN0943	-0.898	5.187	1.816e-4	2.518e-4	5	7	5.0000	7.9230	AAL95139.1  Sensory Transduction Protein Kinase							
					3	7	3.8437	8.5563								
FN0947	0.067	13.138	1.119e-1	6.376e-1	88	71	88.0000	80.3620	AAL95143.1  Hypothetical protein							
					83	86	106.3429	105.1209								
FN0949	-0.722	15.710	1.517e-4	1.958e-4	185	251	185.0000	284.0966	AAL95145.1  DNA helicase							
					137	254	175.5298	310.4732								
FN0951						16		18.1097	AAL95147.1  Precorrin-3B C17-methyltransferase							
						13		15.8904								
FN0952									AAL95148.1  Cobalamin biosynthesis protein G							
						6		7.3340								
FN0957	0.546	8.300	2.589e-2	1.21e-1	16	13	16.0000	14.7142	AAL95153.1  Precorrin-4 C11-methyltransferase							
					21	12	26.9060	14.6680								
FN0958						23		26.0328	AAL95154.1  unknown							
						18		22.0020								
FN0959	-1.205	8.846	2.769e-3	8.945e-3	18	23	18.0000	26.0328	AAL95155.1  Precorrin-2 C20-methyltransferase							
					8	32	10.2499	39.1147								
FN0961						4		4.5274	AAL95157.1  Hypothetical protein							
						6		7.3340								
FN0962	-1.249	9.795	3.758e-5	2.628e-5	22	38	22.0000	43.0106	AAL95158.1  Hypothetical cytosolic protein							
					13	40	16.6561	48.8934								

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.005

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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0964					5		6.4062		AAL95160.1  Precorrin-8W decarboxylase							
FN0965	0.503	10.266	2.95e-2	1.408e-1	31	24	31.0000	27.1646	AAL95161.1  D-3-phosphoglycerate dehydrogenase							
FN0967					3		3.0000		AAL95163.1  CbiD protein							
FN0970	-0.337	8.543	4.225e-3	1.49e-2	19	20	19.0000	22.6372	AAL95166.1  Precorrin-8X methylmutase							
					12	17	15.3749	20.7797								
FN0976	0.098	10.525	2.476e-2	1.149e-1	41	31	41.0000	35.0876	AAL95172.1  Hypothetical protein							
					30	32	38.4372	39.1147								
FN0977	0.906	7.263			16	8	16.0000	9.0549	AAL95173.1  Cobyric acid synthase							
					14		17.9374									
FN0981	0.225	13.832	1.476e-2	6.401e-2	142	98	142.0000	110.9222	AAL95177.1  Phosphoribosylamine--glycine ligase							
					93	92	119.1553	112.4549								
FN0982	-0.629	15.961	6.087e-4	1.282e-3	223	272	223.0000	307.8656	AAL95178.1  Phosphoribosylaminoimidazolecarboxamide formyltransferase							
					143	262	183.2172	320.2519								
FN0983	-0.751	13.862	3.496e-5	2.26e-5	101	135	101.0000	152.8010	AAL95179.1  Hypothetical protein							
					68	134	87.1243	163.7930								
FN0984	-1.455	7.790	2.059e-4	3.036e-4	9	23	9.0000	26.0328	AAL95180.1  Tetracenomycin polyketide synthesis O-methyltransferase tcmP							
					7	19	8.9687	23.2244								
FN0985	0.822	7.069	5.329e-3	1.973e-2	18	10	18.0000	11.3186	AAL95181.1  Phosphoribosylglycinamide formyltransferase							
					10	5	12.8124	6.1117								
FN0986	0.300	14.458	9.588e-3	3.932e-2	151	119	151.0000	134.6912	AAL95182.1  Phosphoribosylformylglycinamide cyclase							
					142	111	181.9360	135.6792								
FN0987	-0.848	13.270	1.14e-3	2.853e-3	70	106	70.0000	119.9770	AAL95183.1  Amidophosphoribosyltransferase							
					61	120	78.1556	146.6803								
FN0988	0.276	16.528	9.733e-4	2.308e-3	351	243	351.0000	275.0417	AAL95184.1  Phosphoribosylamidoimidazole-succinocarboxamide synthase							
					254	232	325.4348	283.5818								
FN0989	0.366	14.907	2.992e-3	9.854e-3	184	141	184.0000	159.5921	AAL95185.1  Phosphoribosylaminoimidazole carboxylase catalytic subunit							
					167	122	213.9670	149.1249								
FN0990	-0.210	20.455	1.551e-3	4.408e-3	1063	1164	1063.0000	1317.4838	AAL95186.1  Phosphoribosylformylglycinamide synthase							
					910	1032	1165.9279	1261.4502								

Show detected proteins only  
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Proteins found: 1297

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Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN0991	0.894	9.003	2.917e-3	9.545e-3	31	11	31.0000	12.4504	AAL95187.1  CDP-diacylglycerol--serine O-phosphatidyltransferase							
					24	17	30.7497	20.7797								
FN0992	-0.556	9.721	1.545e-3	4.381e-3	21	32	21.0000	36.2195	AAL95188.1  ADP-heptose:LPS heptosyltransferase II							
					21	28	26.9060	34.2254								
FN0994	0.167	14.088	6.077e-4	1.279e-3	140	112	140.0000	126.7682	AAL95190.1  Hypothetical protein							
					109	100	139.6551	122.2336								
FN0997	-0.204	9.873	5.1e-2	2.645e-1	34	30	34.0000	33.9558	AAL95193.1  Hypothetical protein							
					18	26	23.0623	31.7807								
FN0998	-0.900	13.567	7.919e-4	1.777e-3	69	132	69.0000	149.4054	AAL95194.1  Dipeptide-binding protein							
					72	124	92.2492	151.5696								
FN0999	-1.794	7.434	1.731e-3	5.06e-3	9	26	9.0000	29.4283	AAL95195.1  Deblocking aminopeptidase							
					4	16	5.1250	19.5574								
FN1000	-0.673	11.477	3.788e-4	6.974e-4	41	63	41.0000	71.3071	AAL95196.1  Biotin synthase							
					34	52	43.5621	63.5614								
FN1001	-0.383	9.074	1.276e-2	5.425e-2	24	22	24.0000	24.9009	AAL95197.1  Dethiobiotin synthetase							
					13	23	16.6561	28.1137								
FN1002	-0.790	11.096	8.906e-4	2.059e-3	34	59	34.0000	66.7797	AAL95198.1  Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
					29	46	37.1559	56.2274								
FN1003	0.334	10.456	1.132e-2	4.74e-2	47	32	47.0000	36.2195	AAL95199.1  Outer membrane protein P1 precursor							
					29	25	37.1559	30.5584								
FN1004	-0.465	7.544	4.058e-2	2.047e-1	13	10	13.0000	11.3186	AAL95200.1  Transcriptional regulator, TetR family							
					8	17	10.2499	20.7797								
FN1005	-1.648	11.090	2.823e-5	1.529e-5	22	78	22.0000	88.2850	AAL95201.1  Hypothetical protein							
					24	63	30.7497	77.0071								
FN1008						4		4.5274	AAL95204.1  Hypothetical protein							
FN1009						8		9.0549	AAL95205.1  Hypothetical protein							
						3		3.6670								
FN1010	0.075	14.592	3.787e-2	1.888e-1	165	128	165.0000	144.8779	AAL95206.1  Hypothetical cytosolic protein							
					123	132	157.5925	161.3483								
FN1011	-1.140	5.855				7		7.9230	AAL95207.1  MGPA protein							
					4	12	5.1250	14.6680								

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Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
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Dot Plots

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1012	-0.881	7.661	8.138e-4	1.838e-3	12	19	12.0000	21.5053	AAL95208.1  HPR(Ser) kinase							
					7	14	8.9687	17.1127								
FN1014	-1.798	7.064	2.864e-3	9.327e-3	6	23	6.0000	26.0328	AAL95210.1  Folylpolylglutamate synthase							
					5	14	6.4062	17.1127								
FN1015	-0.513	8.696	2.865e-2	1.361e-1	20	16	20.0000	18.1097	AAL95211.1  5'-methylthioadenosine nucleosidase							
					11	25	14.0936	30.5584								
FN1016	-1.958	7.224	1.7e-7	8.462e-9	6	21	6.0000	23.7690	AAL95212.1  Lipid A biosynthesis lauroyl acyltransferase							
					5	20	6.4062	24.4467								
FN1017	-0.389	13.554	1.469e-3	4.093e-3	93	104	93.0000	117.7133	AAL95213.1  Hypothetical Exported Protein							
					77	109	98.6554	133.2346								
FN1019	1.629	22.153	4.008e-4	7.532e-4	3484	1077	3484.0000	1219.0121	AAL95215.1  3-hydroxybutyryl-CoA dehydrogenase							
					3209	1012	4111.4974	1237.0035								
FN1020	0.845	16.396	4.69e-3	1.689e-2	331	195	331.0000	220.7125	AAL95216.1  3-hydroxybutyryl-CoA dehydratase							
					356	178	456.1212	217.5757								
FN1022	-1.792	9.007	6.154e-3	2.337e-2	9	26	9.0000	29.4283	AAL95218.1  Calcium-transporting ATPase							
					12	45	15.3749	55.0051								
FN1023					7		7.0000		AAL95219.1  5-Nitroimidazole antibiotic resistance protein							
FN1024	-0.164	20.387	8.373e-2	4.604e-1	1379	1079	1379.0000	1221.2758	AAL95220.1  DNA-binding protein HU							
					651	1029	834.0869	1257.7832								
FN1025	0.114	7.736	6.586e-2	3.515e-1	15	14	15.0000	15.8460	AAL95221.1  Guanine-hypoxanthine permease							
					12	10	15.3749	12.2234								
FN1026						14		15.8460	AAL95222.1  tRNA pseudouridine synthase A							
						6		7.3340								
FN1028	-0.275	10.505	5.765e-2	3.036e-1	36	46	36.0000	52.0655	AAL95224.1  Deoxyuridine 5'-triphosphate nucleotidohydrolase							
					26	26	33.3122	31.7807								
FN1029	-0.888	12.803	6.058e-4	1.274e-3	73	106	73.0000	119.9770	AAL95225.1  Zinc protease							
					40	90	51.2496	110.0102								
FN1030	1.236	4.764			8	3	8.0000	3.3956	AAL95226.1  Hypothetical membrane-spanning protein							
FN1031	-1.211	5.096				6		6.7912	AAL95227.1  Hypothetical membrane-spanning protein							
					3	9	3.8437	11.0010								

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

ratios, bars  
bars  
ratios, bars  
p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1033	-1.756	10.912	9.872e-4	2.351e-3	26	81	26.0000	91.6806	AAL95229.1  Methyltransferase							
					17	57	21.7811	69.6731								
FN1034					4		4.0000		AAL95230.1  Transcriptional regulator, TetR family							
FN1037					3		3.0000		AAL95233.1  Hypothetical cytosolic protein							
FN1041					8		8.0000		AAL95237.1  Acetyltransferase							
					7		8.9687									
FN1042	-2.360	11.283	1.743e-4	2.372e-4	21	107	21.0000	121.1089	AAL95238.1  S1 RNA binding domain							
					18	86	23.0623	105.1209								
FN1045						7		7.9230	AAL95241.1  Hypothetical protein							
						4		4.8893								
FN1048					3		3.0000		AAL95244.1  Hypothetical membrane-spanning protein							
FN1050						7		7.9230	AAL95246.1  Lactoylglutathione lyase							
FN1055	-0.421	10.944	7.886e-3	3.12e-2	37	40	37.0000	45.2744	AAL95251.1  Cysteine synthase							
					31	47	39.7184	57.4498								
FN1057						8		9.0549	AAL95253.1  Diamine acetyltransferase							
						6		7.3340								
FN1060	-0.041	9.198	1.263e-1	7.317e-1	26	24	26.0000	27.1646	AAL95256.1  hypothetical cytosolic protein							
					17	18	21.7811	22.0020								
FN1062	0.379	13.417	1.426e-3	3.923e-3	113	80	113.0000	90.5487	AAL95258.1  Hydrolase							
					98	76	125.5615	92.8975								
FN1063	-1.399	5.399			4	10	4.0000	11.3186	AAL95259.1  N-acyl-L-amino acid amidohydrolase							
						8		9.7787								
FN1066	0.018	6.103	1.388e-1	8.16e-1	9	7	9.0000	7.9230	AAL95262.1  Exodeoxyribonuclease VII large subunit							
					6	7	7.6874	8.5563								
FN1067	-1.263	11.258	4.003e-4	7.519e-4	28	75	28.0000	84.8894	AAL95263.1  Tetratricopeptide repeat family protein							
					28	56	35.8747	68.4508								
FN1069	-0.952	11.939	2.083e-4	3.089e-4	44	73	44.0000	82.6257	AAL95265.1  DNA topoisomerase I							
					36	75	46.1246	91.6752								

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.005

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no	n/a	bars
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Dot Plots Dot Plots



Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1070	-0.598	8.041	3.333e-3	1.118e-2	11	18	11.0000	20.3735	AAL95266.1  Glucose inhibited division protein A							
					12	16	15.3749	19.5574								
FN1071	0.295	4.875			6		6.0000		AAL95267.1  Integrase/recombinase							
						4		4.8893								
FN1072	-1.230	10.601	5.007e-5	4.1e-5	22	57	22.0000	64.5160	AAL95268.1  GTP-binding protein							
					23	46	29.4685	56.2274								
FN1073	-1.682	5.567				11		12.4504	AAL95269.1  Hypothetical protein							
					3	10	3.8437	12.2234								
FN1074	-0.890	9.292	1.448e-3	4.01e-3	15	30	15.0000	33.9558	AAL95270.1  Signal recognition particle receptor FtsY							
					17	28	21.7811	34.2254								
FN1077	2.394	8.366			41	7	41.0000	7.9230	AAL95273.1  Hypothetical protein							
					33		42.2809									
FN1078	-0.160	14.734	5.6e-2	2.94e-1	133	142	133.0000	160.7240	AAL95274.1  Hypothetical exported 24-amino acid repeat protein							
					140	154	179.3735	188.2397								
FN1079	0.561	17.838	1.771e-3	5.207e-3	638	364	638.0000	411.9967	AAL95275.1  Neutrophil-activating protein A							
					420	315	538.1206	385.0357								
FN1080	-0.224	5.175	3.174e-2	1.536e-1	6	5	6.0000	5.6593	AAL95276.1  Export ABC transporter							
					4	6	5.1250	7.3340								
FN1081	-0.891	9.327	1.83e-3	5.426e-3	18	34	18.0000	38.4832	AAL95277.1  unknown							
					15	25	19.2186	30.5584								
FN1082					4		4.0000		AAL95278.1  unknown							
FN1084	-0.039	13.144	1.443e-1	8.537e-1	75	97	75.0000	109.7903	AAL95280.1  unknown							
					88	68	112.7491	83.1188								
FN1085	0.163	11.123	7.055e-2	3.794e-1	41	40	41.0000	45.2744	AAL95281.1  4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					46	36	58.9370	44.0041								
FN1086	0.388	6.489	5.178e-2	2.69e-1	14	6	14.0000	6.7912	AAL95282.1  Transporter							
					6	8	7.6874	9.7787								
FN1088	0.379	9.704	3.74e-3	1.283e-2	30	21	30.0000	23.7690	AAL95284.1  NADH oxidase							
					28	22	35.8747	26.8914								
FN1089	-0.071	9.804	1.148e-1	6.566e-1	34	25	34.0000	28.2965	AAL95285.1  ATP-binding protein (contains P-loop)							
					19	27	24.3435	33.0031								

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q-Value

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.005

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no	n/a	bars
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yes	+	p-, q-Values
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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1091	-0.748	8.207	3.136e-4	5.364e-4	15	21	15.0000	23.7690	AAL95287.1  Sigma factor sigB regulation protein rsbU							
					9	17	11.5312	20.7797								
FN1092	-0.497	9.991	4.951e-2	2.558e-1	14	27	14.0000	30.5602	AAL95288.1  Hypothetical protein							
					31	37	39.7184	45.2264								
FN1093	-0.599	12.248	8.443e-6	2.533e-6	57	75	57.0000	84.8894	AAL95289.1  Hypothetical protein							
					44	71	56.3745	86.7858								
FN1096	-0.245	10.688	7.222e-2	3.895e-1	49	36	49.0000	40.7469	AAL95292.1  Hypothetical protein							
					20	39	25.6248	47.6711								
FN1097	-2.213	10.020	2.738e-3	8.822e-3	12	47	12.0000	53.1974	AAL95293.1  Hypothetical protein							
					14	70	17.9374	85.5635								
FN1101	-0.916	4.086			3	5	3.0000	5.6593	AAL95297.1  ATPase							
FN1102						28		31.6921	AAL95298.1  tRNA 2'phosphotransferase							
						32		39.1147								
FN1103	-2.179	11.110	1.714e-5	7.156e-6	16	85	16.0000	96.2080	AAL95299.1  Excinuclease ABC subunit A							
					22	85	28.1873	103.8985								
FN1104					5		5.0000		AAL95300.1  Holliday junction DNA helicase ruvA							
FN1105	-0.344	12.794	7.461e-3	2.925e-2	74	76	74.0000	86.0213	AAL95301.1  Hypothetical protein							
					59	85	75.5931	103.8985								
FN1106	-1.220	11.864	3.345e-4	5.862e-4	39	88	39.0000	99.6036	AAL95302.1  L-serine dehydratase							
					32	71	40.9997	86.7858								
FN1111	-0.122	6.457			9		9.0000		AAL95307.1  Dipeptide-binding protein							
					7	8	8.9687	9.7787								
FN1117	0.673	12.012	2.563e-3	8.139e-3	79	37	79.0000	41.8788	AAL95313.1  LSU ribosomal protein L21P							
					65	49	83.2806	59.8944								
FN1119	0.519	14.977	6.182e-4	1.308e-3	230	142	230.0000	160.7240	AAL95315.1  LSU ribosomal protein L27P							
					156	114	199.8734	139.3462								
FN1120	-0.154	14.141	5.19e-2	2.697e-1	128	109	128.0000	123.3726	AAL95316.1  Phosphoenolpyruvate carboxykinase (ATP)							
					99	131	126.8427	160.1260								
FN1121	0.155	12.426	3.124e-2	1.507e-1	72	67	72.0000	75.8345	AAL95317.1  hypothetical cytosolic protein							
					66	53	84.5618	64.7838								

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Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1122	-0.692	14.885	3.039e-3	1.003e-2	143	219	143.0000	247.8771	AAL95318.1  Long-chain-fatty-acid--CoA ligase							
					102	159	130.6864	194.3513								
FN1123	0.332	9.587	7.741e-2	4.211e-1	43	21	43.0000	23.7690	AAL95319.1  Thioredoxin-like protein							
					15	21	19.2186	25.6690								
FN1124	-0.247	17.032	5.061e-3	1.852e-2	312	356	312.0000	402.9418	AAL95320.1  Outer membrane porin F							
					281	323	360.0283	394.8144								
FN1125	0.472	10.810	1.275e-3	3.34e-3	46	29	46.0000	32.8239	AAL95321.1  LemA protein							
					42	32	53.8121	39.1147								
FN1127	-0.015	10.554	1.511e-1	9.013e-1	40	30	40.0000	33.9558	AAL95323.1  Hypothetical membrane-spanning protein							
					29	36	37.1559	44.0041								
FN1128	-0.418	15.119	4.669e-4	9.141e-4	156	193	156.0000	218.4488	AAL95324.1  Acylamino-acid-releasing enzyme							
					133	178	170.4048	217.5757								
FN1129	-1.290	7.362	1.808e-4	2.501e-4	10	16	10.0000	18.1097	AAL95325.1  Chromosome partition protein smc							
					5	18	6.4062	22.0020								
FN1130	-0.816	6.816			8	13	8.0000	14.7142	AAL95326.1  Tetraacyldisaccharide 4'-kinase							
						11		13.4457								
FN1131	-1.512	4.682			3		3.0000		AAL95327.1  Hypothetical protein							
						7		8.5563								
FN1133	0.110	9.557	7.076e-2	3.807e-1	25	24	25.0000	27.1646	AAL95329.1  N-acetylglucosamine-6-phosphate deacetylase							
					25	21	32.0310	25.6690								
FN1134	-0.962	9.877	3.515e-4	6.284e-4	26	40	26.0000	45.2744	AAL95330.1  Hypothetical cytosolic protein							
					14	33	17.9374	40.3371								
FN1135	-0.346	14.305	2.104e-4	3.139e-4	123	142	123.0000	160.7240	AAL95331.1  Phosphonates-binding protein							
					101	131	129.4052	160.1260								
FN1136	0.355	6.632	3.615e-5	2.421e-5	11	8	11.0000	9.0549	AAL95332.1  Phosphonates transport ATP-binding protein phnC							
					9	7	11.5312	8.5563								
FN1137					3				AAL95333.1  Phosphonates transport system permease protein phnE							
							3.8437									
FN1138	0.417	19.352	2.834e-2	1.343e-1	1147	644	1147.0000	728.9172	AAL95334.1  Hypothetical cytosolic protein							
					580	562	743.1189	686.9526								
FN1139	-2.980	9.223	1e-6	1.261e-7	11	63	11.0000	71.3071	AAL95335.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					5	54	6.4062	66.0061								

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Proteins found: 1297

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

ratios, bars  
bars  
ratios, bars  
p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1140						7		7.9230	AAL95336.1  hypothetical protein							
						8		9.7787								
FN1142	-2.110	5.280			3	11	3.0000	12.4504	AAL95338.1  Oxygen-independent coproporphyrinogen III oxidase							
						11		13.4457								
FN1143	0.012	12.924	1.573e-1	9.45e-1	104	72	104.0000	81.4938	AAL95339.1  Glucosamine-6-phosphate isomerase							
					57	77	73.0306	94.1198								
FN1144	-0.252	15.409	1.186e-3	3.015e-3	199	210	199.0000	237.6904	AAL95340.1  Hypothetical Exported Protein							
					143	178	183.2172	217.5757								
FN1145	-0.030	8.799	1.475e-1	8.757e-1	20	15	20.0000	16.9779	AAL95341.1  Oligoendopeptidase F							
					17	21	21.7811	25.6690								
FN1146	-0.320	9.059	1.974e-2	8.9e-2	17	24	17.0000	27.1646	AAL95342.1  Hypothetical exported 24-amino acid repeat protein							
					19	20	24.3435	24.4467								
FN1147	1.021	9.901	9.502e-3	3.89e-2	33	20	33.0000	22.6372	AAL95343.1  Hypothetical protein							
					43	17	55.0933	20.7797								
FN1148	-0.087	10.711	5.158e-2	2.678e-1	41	40	41.0000	45.2744	AAL95344.1  Serine/threonine sodium symporter							
					30	32	38.4372	39.1147								
FN1149	-1.099	6.764	5.055e-3	1.849e-2	4	14	4.0000	15.8460	AAL95345.1  ATP-dependent nuclease subunit A							
					8	12	10.2499	14.6680								
FN1150	-0.739	5.455							AAL95346.1  unknown							
					4	7	5.1250	8.5563								
FN1152	-0.040	14.224	9.982e-2	5.613e-1	146	128	146.0000	144.8779	AAL95348.1  Aspartate aminotransferase							
					99	111	126.8427	135.6792								
FN1153	0.032	10.393	1.326e-1	7.737e-1	37	36	37.0000	40.7469	AAL95349.1  Hypothetical protein							
					29	26	37.1559	31.7807								
FN1154									AAL95350.1  Ribonuclease BN							
						7		8.5563								
FN1155									AAL95351.1  Cell division protein ftsI							
						7		7.9230								
FN1157	0.980	7.065	1.114e-2	4.655e-2	12	7	12.0000	7.9230	AAL95353.1  Polypeptide deformylase							
					16	7	20.4998	8.5563								
FN1159	-0.035	12.863	1.354e-1	7.929e-1	77	68	77.0000	76.9664	AAL95355.1  Fructose-1,6-bisphosphatase							
					73	80	93.5305	97.7868								

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yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	



Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1183	-0.372	5.250	3.84e-2	1.919e-1	7	7	7.0000	7.9230	AAL95379.1  Hypothetical cytosolic protein							
					3	5	3.8437	6.1117								
FN1185	-0.022	9.796	1.28e-1	7.429e-1	31	25	31.0000	28.2965	AAL95381.1  SIR2 family protein							
					22	26	28.1873	31.7807								
FN1186	0.571	8.672	1.738e-2	7.7e-2	30	12	30.0000	13.5823	AAL95382.1  Amidohydrolase							
					15	16	19.2186	19.5574								
FN1187					38		38.0000		AAL95383.1  Amino acid-binding protein							
					24		30.7497									
FN1188	-0.774	11.803	1.582e-3	4.52e-3	53	69	53.0000	78.0983	AAL95384.1  Hypothetical protein							
					30	64	38.4372	78.2295								
FN1189	-0.844	11.917	9.974e-5	1.086e-4	48	77	48.0000	87.1531	AAL95385.1  Hypothetical protein							
					35	65	44.8434	79.4518								
FN1190	-0.773	13.486	2.781e-5	1.491e-5	87	121	87.0000	136.9549	AAL95386.1  Probable cadmium-transporting ATPase							
					60	117	76.8744	143.0133								
FN1191	-1.310	9.382	1.205e-4	1.418e-4	20	33	20.0000	37.3513	AAL95387.1  unknown							
					10	36	12.8124	44.0041								
FN1192	0.899	17.594	2.076e-4	3.074e-4	642	298	642.0000	337.2940	AAL95388.1  unknown							
					447	257	572.7140	314.1402								
FN1198	-0.032	9.001	8.343e-2	4.585e-1	23	21	23.0000	23.7690	AAL95394.1  Transporter							
					17	18	21.7811	22.0020								
FN1200					5		5.0000		AAL95396.1  Hypothetical protein							
					15		19.2186									
FN1202	0.633	6.991			14	8	14.0000	9.0549	AAL95398.1  NH(3)-dependent NAD(+) synthetase							
					11		14.0936									
FN1203						10		12.2234	AAL95399.1  GTP-binding protein							
						6		6.7912								
FN1204						10		12.2234	AAL95400.1  Methyltransferase							
FN1205	-0.383	12.326	4.428e-3	1.578e-2	55	69	55.0000	78.0983	AAL95401.1  Protease							
					55	70	70.4682	85.5635								
FN1206						8		9.7787	AAL95402.1  Hemolysin							

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1208	-0.991	5.635			5	10	5.0000	11.3186	AAL95404.1  1-deoxyxylulose-5-phosphate synthase							
						7		8.5563								
FN1209	-0.479	11.848	3.301e-2	1.609e-1	67	77	67.0000	87.1531	AAL95405.1  Hypothetical RNA binding protein							
					28	46	35.8747	56.2274								
FN1210	-1.246	11.463	5.322e-3	1.97e-2	28	55	28.0000	62.2522	AAL95406.1  Metal dependent hydrolase							
					32	83	40.9997	101.4538								
FN1211	-0.425	8.138	4.291e-2	2.179e-1	20	16	20.0000	18.1097	AAL95407.1  Cell division protein ftsI							
					7	17	8.9687	20.7797								
FN1213	-0.785	11.575	2.858e-4	4.737e-4	47	59	47.0000	66.7797	AAL95409.1  Hypothetical protein							
					29	64	37.1559	78.2295								
FN1214					6		6.0000		AAL95410.1  Fe-S oxidoreductase							
					5		6.4062									
FN1216	-2.043	7.499	2.413e-3	7.568e-3	3	18	3.0000	20.3735	AAL95412.1  RRF2 family protein							
					8	28	10.2499	34.2254								
FN1217	-2.308	6.597	1.333e-3	3.563e-3	5	16	5.0000	18.1097	AAL95413.1  Holliday junction DNA helicase ruvB							
					3	21	3.8437	25.6690								
FN1219	0.422	7.821	3.929e-2	1.971e-1	22	10	22.0000	11.3186	AAL95415.1  Hypothetical protein							
					10	12	12.8124	14.6680								
FN1220	0.018	15.272	1.344e-1	7.861e-1	212	183	212.0000	207.1302	AAL95416.1  Cysteine synthase							
					147	154	188.3422	188.2397								
FN1221	0.092	8.185	8.491e-2	4.678e-1	16	13	16.0000	14.7142	AAL95417.1  Hypothetical protein							
					15	15	19.2186	18.3350								
FN1222	-1.412	8.774	5.603e-4	1.153e-3	9	29	9.0000	32.8239	AAL95418.1  Hypothetical protein							
					13	29	16.6561	35.4477								
FN1223	0.552	12.301	1.365e-4	1.694e-4	90	54	90.0000	61.1204	AAL95419.1  Oxygen-insensitive NAD(P)H nitroreductase							
					64	46	81.9993	56.2274								
FN1224	-0.646	13.620	8.024e-4	1.807e-3	100	113	100.0000	127.9001	AAL95420.1  2-dehydro-3-deoxyphosphooctonate aldolase							
					62	125	79.4368	152.7919								
FN1225	0.346	13.875	9.908e-3	4.08e-2	147	82	147.0000	92.8124	AAL95421.1  UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase							
					101	102	129.4052	124.6782								
FN1226	-0.774	13.590	2.599e-7	2.069e-8	84	127	84.0000	143.7461	AAL95422.1  Uracil-DNA glycosylase							
					67	120	85.8430	146.6803								

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.005

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1229						5		5.6593	AAL95425.1  Hypothetical protein							
						7		8.5563								
FN1230	0.003	11.544	1.62e-1	9.785e-1	62	50	62.0000	56.5929	AAL95426.1  Hypothetical cytosolic protein							
					37	43	47.4059	52.5604								
FN1231	0.337	18.219	1.457e-3	4.047e-3	592	431	592.0000	487.8312	AAL95427.1  Inosine-5'-monophosphate dehydrogenase							
					507	405	649.5884	495.0459								
FN1233						3		3.3956	AAL95429.1  Putative NAD(P)H oxidoreductase							
						4		4.8893								
FN1234	-1.190	6.887	2.012e-5	9.116e-6	8	15	8.0000	16.9779	AAL95430.1  Hypothetical protein							
					5	13	6.4062	15.8904								
FN1235	0.553	6.525			13	7	13.0000	7.9230	AAL95431.1  Ankyrin repeat proteins							
					8		10.2499									
FN1237	0.144	9.322	1.478e-2	6.409e-2	25	22	25.0000	24.9009	AAL95433.1  Choline kinase							
					22	19	28.1873	23.2244								
FN1240	-2.083	8.300	2.962e-5	1.66e-5	7	30	7.0000	33.9558	AAL95436.1  Lipopolysaccharide core biosynthesis protein rfaY							
					8	32	10.2499	39.1147								
FN1241						8		9.0549	AAL95437.1  polysaccharide biosynthesis protein							
						4		4.8893								
FN1242	-0.936	5.887	2.737e-3	8.818e-3	6	8	6.0000	9.0549	AAL95438.1  Polysaccharide deacetylase							
					4	10	5.1250	12.2234								
FN1243	-0.940	6.429	2.902e-3	9.485e-3	7	13	7.0000	14.7142	AAL95439.1  Glycosyl transferase							
					5	9	6.4062	11.0010								
FN1244	-1.254	6.278	2.128e-3	6.519e-3	5	10	5.0000	11.3186	AAL95440.1  Polysaccharide deacetylase							
					5	13	6.4062	15.8904								
FN1245						22		24.9009	AAL95441.1  Glycosyl transferase							
						11		13.4457								
FN1246	-2.234	6.119				19		21.5053	AAL95442.1  Lipooligosaccharide cholinephosphotransferase							
					3	12	3.8437	14.6680								
FN1247	-1.668	7.452	5.921e-4	1.237e-3	11	19	11.0000	21.5053	AAL95443.1  LOS biosynthesis enzyme LBGB							
					3	21	3.8437	25.6690								
FN1248						5		5.6593	AAL95444.1  Hypothetical cytosolic protein							

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1250	-1.028	10.069	5.004e-4	1.001e-3	19	46	19.0000	52.0655	AAL95446.1  Guanine-hypoxanthine permease							
					21	34	26.9060	41.5594								
FN1251	-0.127	6.344	8.453e-2	4.654e-1	7	8	7.0000	9.0549	AAL95447.1  High-affinity iron permease							
					8	8	10.2499	9.7787								
FN1252	-0.402	18.857	4.009e-3	1.397e-2	667	638	667.0000	722.1260	AAL95448.1  34 kDa membrane antigen precursor							
					415	705	531.7144	861.7465								
FN1253	-0.279	16.411	8.377e-3	3.349e-2	240	268	240.0000	303.3382	AAL95449.1  unknown							
					231	284	295.9663	347.1433								
FN1254	0.021	13.541	1.426e-1	8.416e-1	120	103	120.0000	116.5815	AAL95450.1  Oxygen-insensitive NAD(P)H nitroreductase							
					78	82	99.9367	100.2315								
FN1255						15		16.9779	AAL95451.1  NagD protein							
						14		17.1127								
FN1256	-0.558	4.443				5		5.6593	AAL95452.1  C4-dicarboxylate transporter large subunit							
					3		3.8437									
FN1258	-0.263	20.103	6.578e-5	5.964e-5	987	1049	987.0000	1187.3200	AAL95454.1  C4-dicarboxylate-binding protein							
					742	931	950.6797	1137.9944								
FN1260	-0.594	3.764			3	4	3.0000	4.5274	AAL95456.1  Sensory Transduction Protein Kinase							
FN1261						4		4.8893	AAL95457.1  Two-component response regulator							
						5		5.6593								
FN1262									AAL95458.1  Integral membrane protein							
FN1263	-0.555	8.405	3.136e-6	6.101e-7	15	20	15.0000	22.6372	AAL95459.1  Cobalt chelataase							
					12	18	15.3749	22.0020								
FN1264	-1.171	7.990	3.768e-3	1.295e-2	11	25	11.0000	28.2965	AAL95460.1  Hypothetical protein							
					8	16	10.2499	19.5574								
FN1265	-0.502	12.394	7.692e-3	3.031e-2	49	83	49.0000	93.9443	AAL95461.1  Outer membrane protein							
					58	66	74.3119	80.6741								
FN1266	-0.561	14.103	1.174e-3	2.972e-3	98	140	98.0000	158.4603	AAL95462.1  UTP--glucose-1-phosphate uridylyltransferase							
					94	134	120.4365	163.7930								
FN1267	-0.318	10.057	2.622e-7	2.119e-8	29	32	29.0000	36.2195	AAL95463.1  Hypothetical protein							
					23	30	29.4685	36.6701								

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1268	-0.610	15.583	4.232e-3	1.493e-2	187	272	187.0000	307.8656	AAL95464.1  Methionyl-tRNA synthetase							
					134	196	171.6861	239.5778								
FN1269	-1.997	5.882				12		13.5823	AAL95465.1  Hypothetical lipoprotein							
					3	14	3.8437	17.1127								
FN1270	0.528	14.416	4.406e-4	8.485e-4	177	115	177.0000	130.1638	AAL95466.1  Hypothetical cytosolic protein							
					139	95	178.0923	116.1219								
FN1271	-0.310	11.294	4.592e-3	1.648e-2	49	50	49.0000	56.5929	AAL95467.1  Protease IV							
					32	45	40.9997	55.0051								
FN1273	-1.363	9.239	1.301e-2	5.546e-2	14	47	14.0000	53.1974	AAL95469.1  Outer membrane protein tolC							
					13	21	16.6561	25.6690								
FN1274	-1.745	9.340	4.319e-4	8.273e-4	15	37	15.0000	41.8788	AAL95470.1  Acriflavin resistance protein E							
					10	42	12.8124	51.3381								
FN1275	-1.300	10.297	7.017e-5	6.519e-5	26	53	26.0000	59.9885	AAL95471.1  Acriflavin resistance protein B							
					15	42	19.2186	51.3381								
FN1276					6		6.0000		AAL95472.1  Hypothetical protein							
					7		8.9687									
FN1277	0.072	14.785	6.748e-2	3.611e-1	169	133	169.0000	150.5372	AAL95473.1  Aminoacyl-histidine dipeptidase							
					137	145	175.5298	177.2386								
FN1278									AAL95474.1  Acetyltransferase							
					9		11.5312									
FN1279	-0.736	11.827	8.152e-4	1.842e-3	46	64	46.0000	72.4390	AAL95475.1  Zinc metallohydrolase, glyoxalase II family							
					37	68	47.4059	83.1188								
FN1280	0.286	7.234	1.051e-2	4.36e-2	13	11	13.0000	12.4504	AAL95476.1  Serine protease, V8 family							
					11	8	14.0936	9.7787								
FN1281						21		23.7690	AAL95477.1  Cysteine protease							
						13		15.8904								
FN1282	0.704	12.404	1.554e-5	6.064e-6	97	49	97.0000	55.4611	AAL95478.1  LSU ribosomal protein L17P							
					71	49	90.9680	59.8944								
FN1283	1.182	18.566	6.679e-6	1.76e-6	947	383	947.0000	433.5020	AAL95479.1  DNA-directed RNA polymerase alpha chain							
					726	322	930.1798	393.5920								
FN1284	-0.356	18.980	3.92e-5	2.886e-5	628	705	628.0000	797.9606	AAL95480.1  SSU ribosomal protein S4P							
					502	678	643.1822	828.7435								

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q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1285	0.344	13.440	1.377e-3	3.737e-3	112	80	112.0000	90.5487	AAL95481.1  SSU ribosomal protein S11P							
					98	79	125.5615	96.5645								
FN1286	-1.897	15.240	3.128e-6	6.078e-7	118	323	118.0000	365.5904	AAL95482.1  SSU ribosomal protein S13P							
					67	322	85.8430	393.5920								
FN1287	-2.396	8.287	3.07e-5	1.768e-5	9	36	9.0000	40.7469	AAL95483.1  Bacterial Protein Translation Initiation Factor 1 (IF-1)							
					5	33	6.4062	40.3371								
FN1290	-1.483	8.099	2.174e-4	3.29e-4	7	23	7.0000	26.0328	AAL95486.1  Hypothetical protein							
					10	24	12.8124	29.3361								
FN1293	-0.693	5.408				6		6.7912	AAL95489.1  Hypothetical protein							
					4	8	5.1250	9.7787								
FN1296	-1.566	7.856	5.053e-3	1.849e-2	10	29	10.0000	32.8239	AAL95492.1  unknown							
					6	16	7.6874	19.5574								
FN1297	0.451	10.532	6.444e-3	2.469e-2	40	29	40.0000	32.8239	AAL95493.1  Methionine aminopeptidase							
					39	27	49.9683	33.0031								
FN1298	-0.430	13.144	1.609e-2	7.057e-2	64	99	64.0000	112.0540	AAL95494.1  Adenylate kinase							
					78	89	99.9367	108.7879								
FN1301	-0.404	12.985	8.358e-4	1.9e-3	72	88	72.0000	99.6036	AAL95497.1  ABC transporter ATP-binding protein							
					66	88	84.5618	107.5655								
FN1302	0.595	17.439	1.779e-3	5.238e-3	566	349	566.0000	395.0188	AAL95498.1  Hypothetical protein							
					367	238	470.2149	290.9159								
FN1303	-0.764	12.525	5.782e-5	4.994e-5	64	85	64.0000	96.2080	AAL95499.1  hypothetical cytosolic protein							
					42	85	53.8121	103.8985								
FN1304	-0.135	14.308	1.864e-2	8.348e-2	145	133	145.0000	150.5372	AAL95500.1  Single-strand DNA binding protein							
					99	121	126.8427	147.9026								
FN1305	-0.462	9.965	2.969e-2	1.419e-1	18	31	18.0000	35.0876	AAL95501.1  Hypothetical cytosolic protein							
					28	32	35.8747	39.1147								
FN1306	-1.696	11.192	1.299e-5	4.587e-6	23	75	23.0000	84.8894	AAL95502.1  Methyltransferase							
					24	73	30.7497	89.2305								
FN1309	0.143	16.647	2.402e-2	1.11e-1	312	272	312.0000	307.8656	AAL95505.1  Hypothetical protein							
					282	247	361.3095	301.9169								
FN1311						8		9.7787	AAL95507.1  Biopolymer transport exbD protein							

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no	n/a	bars
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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1312						44		49.8018	AAL95508.1  Biopolymer transport exbB protein							
						52		63.5614								
FN1313	-0.522	12.653	1.252e-2	5.31e-2	84	90	84.0000	101.8673	AAL95509.1  Oligopeptide-binding protein oppA							
					39	74	49.9683	90.4528								
FN1315						7		7.9230	AAL95511.1  Hypothetical protein							
FN1317						13		14.7142	AAL95513.1  RNA polymerase sigma factor							
						14		17.1127								
FN1318	-0.272	10.274	9.167e-3	3.726e-2	32	37	32.0000	41.8788	AAL95514.1  RNA polymerase sigma factor rpoD							
					25	29	32.0310	35.4477								
FN1319	-0.848	6.655	8.414e-4	1.916e-3	6	13	6.0000	14.7142	AAL95515.1  DNA primase							
					7	10	8.9687	12.2234								
FN1320	-0.838	16.608	3.695e-4	6.744e-4	205	385	205.0000	435.7657	AAL95516.1  Peptidyl-prolyl cis-trans isomerase							
					209	335	267.7790	409.4824								
FN1321	0.034	19.388	1.389e-1	8.162e-1	969	752	969.0000	851.1579	AAL95517.1  Acetoacetate metabolism regulatory protein atoC							
					552	643	707.2442	785.9617								
FN1322	-1.666	6.310			5	14	5.0000	15.8460	AAL95518.1  Membrane metalloprotease							
						13		15.8904								
FN1323	-0.909	6.954	2.423e-3	7.603e-3	6	14	6.0000	15.8460	AAL95519.1  Thymidylate kinase							
					8	12	10.2499	14.6680								
FN1324	-0.681	9.203	7.383e-3	2.889e-2	14	23	14.0000	26.0328	AAL95520.1  1-deoxy-D-xylulose 5-phosphate reductoisomerase							
					19	29	24.3435	35.4477								
FN1326	-0.660	6.990				11		12.4504	AAL95522.1  Undecaprenyl pyrophosphate synthetase							
					7	13	8.9687	15.8904								
FN1327	1.125	4.875			8		8.0000		AAL95523.1  Dimethylallyltransferase							
						3		3.6670								
FN1328	-1.790	5.733	3.431e-4	6.073e-4	4	11	4.0000	12.4504	AAL95524.1  Exodeoxyribonuclease VII small subunit							
					3	12	3.8437	14.6680								
FN1330						3		3.3956	AAL95526.1  S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
FN1331	0.309	6.206	9.769e-2	5.477e-1	14	5	14.0000	5.6593	AAL95527.1  Methyltransferase							
					4	8	5.1250	9.7787								

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Test Cutoff

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yes	+	p-, q-Values
yes	-	

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1332	-0.278	11.697	8.455e-3	3.385e-2	47	57	47.0000	64.5160	AAL95528.1  Bacterial Peptide Chain Release Factor 1 (RF-1)							
					45	51	57.6558	62.3391								
FN1334	-0.454	7.624			12	15	12.0000	16.9779	AAL95530.1  N-acetylmuramoyl-L-alanine amidase							
						13		15.8904								
FN1335	1.254	14.366	4.279e-3	1.514e-2	176	95	176.0000	107.5266	AAL95531.1  Protein translocase subunit YajC							
					213	66	272.9040	80.6741								
FN1336						21		23.7690	AAL95532.1  Hypothetical protein							
						23		28.1137								
FN1337	-2.390	7.560			6	21	6.0000	23.7690	AAL95533.1  unknown							
						32		39.1147								
FN1340	0.070	16.993	9.03e-2	5.012e-1	403	288	403.0000	325.9754	AAL95536.1  Glutamyl-tRNA synthetase							
					263	310	336.9660	378.9240								
FN1341	0.410	7.913	2.967e-2	1.418e-1	14	13	14.0000	14.7142	AAL95537.1  Bacterial Peptide Chain Release Factor 2 (RF-2)							
					17	10	21.7811	12.2234								
FN1343						13		14.7142	AAL95539.1  seC-independent protein TATD							
FN1347	-1.168	8.025	8.866e-4	2.047e-3	10	19	10.0000	21.5053	AAL95543.1  Hypothetical cytosolic protein							
					9	22	11.5312	26.8914								
FN1348	-0.313	8.818	1.086e-1	6.168e-1	33	17	33.0000	19.2416	AAL95544.1  ABC transporter ATP-binding protein							
					4	23	5.1250	28.1137								
FN1349	-2.237	8.237			8	31	8.0000	35.0876	AAL95545.1  ABC transporter permease protein							
						33		40.3371								
FN1351	-1.101	10.178	6.715e-3	2.589e-2	17	33	17.0000	37.3513	AAL95547.1  15 kDa lipoprotein precursor							
					23	51	29.4685	62.3391								
FN1352	-0.191	11.812	1.493e-2	6.484e-2	61	56	61.0000	63.3841	AAL95548.1  ABC transporter ATP-binding protein							
					40	53	51.2496	64.7838								
FN1353	-0.576	7.133	5.372e-2	2.804e-1	13	18	13.0000	20.3735	AAL95549.1  ABC transporter permease protein							
					5	7	6.4062	8.5563								
FN1354	-0.511	9.426	7.899e-3	3.126e-2	26	24	26.0000	27.1646	AAL95550.1  ABC transporter permease protein							
					14	29	17.9374	35.4477								
FN1355	-1.125	4.295			3	4	3.0000	4.5274	AAL95551.1  Integral membrane protein							
						7		8.5563								

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Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1358					38		38.0000		AAL95554.1  Hypothetical protein							
					26		33.3122									
FN1359	-0.764	13.669	1.43e-3	3.94e-3	97	116	97.0000	131.2956	AAL95555.1  Dipeptide-binding protein							
					61	136	78.1556	166.2376								
FN1363	-1.279	5.568	1.554e-2	6.78e-2	5	6	5.0000	6.7912	AAL95559.1  Dipeptide transport ATP-binding protein dppF							
					3	12	3.8437	14.6680								
FN1364	-0.834	12.373	1.019e-3	2.451e-3	54	79	54.0000	89.4169	AAL95560.1  LSU ribosomal protein L32P							
					43	86	55.0933	105.1209								
FN1365	0.213	14.951	5.136e-3	1.885e-2	186	156	186.0000	176.5700	AAL95561.1  GTP-binding protein							
					154	126	197.3109	154.0143								
FN1366	0.931	16.145	5.722e-5	4.925e-5	350	190	350.0000	215.0532	AAL95562.1  Triosephosphate isomerase							
					307	143	393.3405	174.7940								
FN1374	-0.455	6.795			9	11	9.0000	12.4504	AAL95570.1  Transcriptional regulator							
						10		12.2234								
FN1375	-0.308	9.394	4.839e-3	1.754e-2	21	24	21.0000	27.1646	AAL95571.1  Citrate-sodium symport							
					20	25	25.6248	30.5584								
FN1376	-1.002	17.319	3.112e-4	5.309e-4	319	510	319.0000	577.2481	AAL95572.1  Oxaloacetate decarboxylase alpha chain							
					197	464	252.4042	567.1637								
FN1378	-0.500	9.927	1.515e-3	4.27e-3	23	31	23.0000	35.0876	AAL95574.1  Citrate lyase acyl carrier protein							
					23	32	29.4685	39.1147								
FN1379	-0.144	14.985	3.171e-2	1.534e-1	185	179	185.0000	202.6028	AAL95575.1  Citrate lyase beta chain							
					123	144	157.5925	176.0163								
FN1380	-0.006	17.151	1.519e-1	9.066e-1	359	344	359.0000	389.3595	AAL95576.1  Citrate lyase beta chain							
					314	307	402.3092	375.2570								
FN1381	-0.293	4.178				4		4.5274	AAL95577.1  unknown							
					3	4	3.8437	4.8893								
FN1383					3		3.0000		AAL95579.1  DNA polymerase III alpha subunit							
FN1385						6		6.7912	AAL95581.1  Hypothetical protein							
						8		9.7787								
FN1386	1.058	6.478	6.956e-3	2.696e-2	17	4	17.0000	4.5274	AAL95582.1  SWF/SNF family helicase							
					8	7	10.2499	8.5563								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1391	-1.264	12.297	8.207e-4	1.858e-3	39	110	39.0000	124.5045	AAL95584.1  Acetyltransferase							
					41	78	52.5308	95.3422		■						
FN1392	-0.204	15.130	3.254e-3	1.087e-2	185	181	185.0000	204.8665	AAL95585.1  SSU ribosomal protein S16P							
					131	165	167.8424	201.6854		■						
FN1393	-1.034	10.766	3.196e-4	5.504e-4	25	58	25.0000	65.6478	AAL95586.1  Signal recognition particle, subunit FFH/SRP54							
					26	44	33.3122	53.7828		■						
FN1397	-0.464	14.574	8.85e-3	3.573e-2	157	161	157.0000	182.2293	AAL95590.1  Glutaminase							
					85	151	108.9054	184.5727		■						
FN1398	0.635	14.217	5.686e-3	2.129e-2	171	119	171.0000	134.6912	AAL95591.1  Amino acid carrier protein alsT							
					135	71	172.9673	86.7858		■						
FN1400					7				AAL95593.1  serine/threonine kinase							
							8.9687									
FN1406	-0.021	11.536	1.483e-1	8.813e-1	48	43	48.0000	48.6699	AAL95599.1  Histidine ammonia-lyase							
					47	50	60.2183	61.1168								
FN1407	0.617	7.439	6.913e-2	3.709e-1	7	8	7.0000	9.0549	AAL95600.1  Glutamate formiminotransferase							
					20	10	25.6248	12.2234		■						
FN1411	0.339	14.464	4.53e-2	2.315e-1	210	112	210.0000	126.7682	AAL95604.1  Threonine dehydratase							
					100	115	128.1239	140.5686		■						
FN1413					3		3.0000		AAL95606.1  Translation initiation factor EIF-2B subunit 1							
FN1416					5		5.0000		AAL95609.1  Transcriptional regulator, GntR family							
					3		3.8437									
FN1417	0.032	4.612			5		5.0000		AAL95610.1  L-fucose phosphate aldolase							
						4		4.8893								
FN1418						4		4.8893	AAL95611.1  Transcriptional regulator, GntR family							
FN1419	2.033	20.268	1.133e-6	1.531e-7	2312	475	2312.0000	537.6330	AAL95612.1  Methionine gamma-lyase							
					1743	469	2233.2004	573.2754		■						
FN1420					14		14.0000		AAL95613.1  NA+/H+ antiporter NHAC							
FN1421	0.210	20.155	2.186e-3	6.729e-3	1134	842	1134.0000	953.0252	AAL95614.1  Pyruvate-flavodoxin oxidoreductase							
					929	864	1190.2714	1056.0979		■						

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Fn Summary Table   FnPg vs Fn   FnSg vs Fn   FnPgSg vs Fn   FnPgSg vs FnPg   FnSg vs FnPg   FnPgSg vs FnSg   Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1423	0.330	15.111	3.541e-3	1.202e-2	227	155	227.0000	175.4381	AAL95616.1  Flavoprotein							
					152	131	194.7484	160.1260								
FN1424	0.207	17.125	5.448e-2	2.85e-1	478	329	478.0000	372.3816	AAL95617.1  ACYL-COA dehydrogenase, short-chain specific							
					261	271	334.4035	331.2529								
FN1426	-1.863	16.445	4.383e-5	3.382e-5	130	496	130.0000	561.4020	AAL95619.1  Serine protease							
					143	473	183.2172	578.1647								
FN1427					6		6.0000		AAL95620.1  Phenazine biosynthesis protein phzF							
					4		5.1250									
FN1429						7		7.9230	AAL95622.1  Branched-chain amino acid transport ATP-binding protein livG							
FN1432	-1.094	10.343	1.523e-3	4.298e-3	25	52	25.0000	58.8567	AAL95625.1  Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein							
					19	38	24.3435	46.4487								
FN1433	0.426	16.104	3.541e-3	1.202e-2	336	193	336.0000	218.4488	AAL95626.1  Short chain dehydrogenase							
					218	196	279.3102	239.5778								
FN1434	-0.705	13.570	1.409e-4	1.774e-4	92	117	92.0000	132.4275	AAL95627.1  Tetratricopeptide repeat family protein							
					63	122	80.7181	149.1249								
FN1437	-0.930	15.037	9.446e-5	9.988e-5	117	215	117.0000	243.3497	AAL95630.1  LSU ribosomal protein L28P							
					116	215	148.6238	262.8021								
FN1439	-1.963	11.632	1.338e-3	3.582e-3	34	81	34.0000	91.6806	AAL95632.1  Transcriptional regulator, DeoR family							
					18	107	23.0623	130.7899								
FN1440	-1.580	12.489	4.442e-4	8.573e-4	48	128	48.0000	144.8779	AAL95633.1  1-phosphofructokinase							
					31	96	39.7184	117.3442								
FN1441	-0.637	14.817	4.58e-5	3.599e-5	129	195	129.0000	220.7125	AAL95634.1  PTS system, fructose-specific IIABC component							
					112	166	143.4988	202.9077								
FN1444	-0.271	17.212	1.343e-3	3.603e-3	375	362	375.0000	409.7329	AAL95637.1  GMP synthase (glutamine-hydrolyzing)							
					261	365	334.4035	446.1525								
FN1445	-1.001	10.911	3.582e-3	1.218e-2	30	46	30.0000	52.0655	AAL95638.1  DNA helicase							
					25	59	32.0310	72.1178								
FN1449	-1.634	17.044	1.317e-4	1.608e-4	165	560	165.0000	633.8410	AAL95642.1  Fusobacterium outer membrane protein family							
					197	541	252.4042	661.2835								
FN1450	-1.110	7.929	2.511e-7	1.888e-8	11	20	11.0000	22.6372	AAL95643.1  Integral membrane protein							
					8	19	10.2499	23.2244								

Show detected proteins only  
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Proteins found: 1297

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Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
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Dot Plots Dot Plots



Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1451	-0.363	14.291	5.929e-3	2.236e-2	110	139	110.0000	157.3284	AAL95644.1  Cell division protein ftsZ							
					109	134	139.6551	163.7930								
FN1452	-0.615	12.755	3.825e-3	1.319e-2	78	103	78.0000	116.5815	AAL95645.1  Cell division protein ftsA							
					44	73	56.3745	89.2305								
FN1454	-0.302	9.682	5.884e-3	2.216e-2	26	26	26.0000	29.4283	AAL95647.1  D-alanine--D-alanine ligase							
					20	28	25.6248	34.2254								
FN1455	-0.511	7.759	2.654e-2	1.245e-1	8	17	8.0000	19.2416	AAL95648.1  UDP-N-acetylenolpyruvoylglucosamine reductase							
					13	13	16.6561	15.8904								
FN1456	-0.648	11.640	7.203e-4	1.583e-3	39	58	39.0000	65.6478	AAL95649.1  UDP-N-acetylmuramate--alanine ligase							
					40	62	51.2496	75.7848								
FN1457	-1.513	10.302	3.401e-6	6.872e-7	19	51	19.0000	57.7248	AAL95650.1  UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-							
					18	51	23.0623	62.3391								
FN1458	-0.832	11.491	4.331e-5	3.325e-5	42	66	42.0000	74.7027	AAL95651.1  UDP-N-acetylmuramoylalanine--D-glutamate ligase							
					30	56	38.4372	68.4508								
FN1459									AAL95652.1  Phospho-N-acetylmuramoyl-pentapeptide-transferase							
						12		14.6680								
FN1461	-1.278	9.567	2.113e-4	3.16e-4	20	38	20.0000	43.0106	AAL95654.1  Histidinol-phosphatase							
					12	35	15.3749	42.7817								
FN1463	0.642	16.865	5.185e-5	4.321e-5	448	236	448.0000	267.1187	AAL95656.1  pyridoxine biosynthesis protein							
					324	234	415.1216	286.0265								
FN1464	-0.738	14.970	2.936e-4	4.909e-4	125	209	125.0000	236.5585	AAL95657.1  1-deoxyxylulose-5-phosphate synthase							
					119	185	152.4675	226.1321								
FN1470	-0.032	12.261	1.353e-1	7.919e-1	63	69	63.0000	78.0983	AAL95663.1  Hypothetical protein							
					59	52	75.5931	63.5614								
FN1471	-1.454	6.098			5	8	5.0000	9.0549	AAL95664.1  LACI-family transcription regulator							
						15		18.3350								
FN1472	-1.228	14.605	1.337e-3	3.577e-3	105	239	105.0000	270.5143	AAL95665.1  N-acetylneuraminate-binding protein							
					79	174	101.2179	212.6864								
FN1474						8		9.0549	AAL95667.1  N-acetylmannosamine kinase							
						7		8.5563								
FN1475	0.996	12.046	9.879e-4	2.354e-3	103	36	103.0000	40.7469	AAL95668.1  N-acetylneuraminate lyase							
					63	42	80.7181	51.3381								

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no	n/a	bars
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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1476	-0.949	7.937	1.144e-7	4.624e-9	11	19	11.0000	21.5053	AAL95669.1  N-acetylmannosamine-6-phosphate 2-epimerase							
					9	18	11.5312	22.0020								
FN1478									AAL95671.1  Hypothetical protein							
					9		11.5312									
FN1479	-0.809	9.479	2.012e-3	6.102e-3	25	29	25.0000	32.8239	AAL95672.1  Hypothetical protein							
					12	31	15.3749	37.8924								
FN1480	-1.505	6.871	1.481e-3	4.139e-3	9	16	9.0000	18.1097	AAL95673.1  MG2+ transporter MGTE							
					3	15	3.8437	18.3350								
FN1481	-0.802	4.802			4	8	4.0000	9.0549	AAL95674.1  Queuine tRNA-ribosyltransferase							
						4		4.8893								
FN1482	-1.728	9.836	1.616e-3	4.647e-3	14	40	14.0000	45.2744	AAL95675.1  Guanosine-3',5'-bis(Diphosphate) 3'-pyrophosphohydrolase							
					15	53	19.2186	64.7838								
FN1483	0.263	11.227	1.932e-3	5.818e-3	56	39	56.0000	44.1425	AAL95676.1  Adenine phosphoribosyltransferase							
					40	37	51.2496	45.2264								
FN1484	-0.856	6.553	8.42e-3	3.369e-2	8	9	8.0000	10.1867	AAL95677.1  Tetratricopeptide repeat family protein							
					5	13	6.4062	15.8904								
FN1486	-0.555	4.844	4.252e-3	1.502e-2	5	5	5.0000	5.6593	AAL95679.1  magnesium and cobalt efflux protein CorC							
					3	6	3.8437	7.3340								
FN1487	-0.519	15.287	6.114e-3	2.319e-2	197	207	197.0000	234.2948	AAL95681.1  Chorismate mutase							
					107	200	137.0926	244.4671								
FN1488					11		11.0000		AAL95682.1  Methylenetetrahydrofolate dehydrogenase (NADP+)							
					10		12.8124									
FN1489	-1.776	7.690	5.003e-4	1.001e-3	4	20	4.0000	22.6372	AAL95683.1  Methionyl-tRNA formyltransferase							
					9	25	11.5312	30.5584								
FN1490	-0.449	6.063			7	5	7.0000	5.6593	AAL95684.1  putative regulatory protein							
						11		13.4457								
FN1491									AAL95685.1  PTS system, IIA component							
						16		19.5574								
FN1493						23		26.0328	AAL95687.1  Hypothetical protein							
						14		17.1127								
FN1494	-1.044	8.533	8.809e-7	1.048e-7	14	24	14.0000	27.1646	AAL95680.1  Rod shape-determining protein mreC							
					10	23	12.8124	28.1137								

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Dot Plots Dot Plots

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1496	-1.044	8.533	8.809e-7	1.048e-7	14	24	14.0000	27.1646	AAL95680.1  Rod shape-determining protein mreC							
					10	23	12.8124	28.1137								
FN1499	0.793	12.833	1.634e-3	4.711e-3	98	65	98.0000	73.5708	AAL93625.1  Cell surface protein							
					99	46	126.8427	56.2274								
FN1501									AAL93627.1  Nickel transport ATP-binding protein nikD							
					3		3.8437									
FN1504	-0.874	14.292	9.725e-5	1.044e-4	117	179	117.0000	202.6028	AAL93630.1  Nickel-binding protein							
					72	148	92.2492	180.9057								
FN1505	-0.776	15.260	2.495e-4	3.975e-4	158	215	158.0000	243.3497	AAL93631.1  6,7-dimethyl-8-ribityllumazine synthase							
					113	225	144.7801	275.0255								
FN1506	0.717	7.719			18	10	18.0000	11.3186	AAL93632.1  Diaminohydroxyphosphoribosylaminopyrimidine deaminase							
					15		19.2186									
FN1508	0.624	13.320	1.54e-4	1.998e-4	123	77	123.0000	87.1531	AAL93634.1  GTP cyclohydrolase II							
					100	62	128.1239	75.7848								
FN1512	-1.700	5.249	5.512e-4	1.129e-3	3	11	3.0000	12.4504	AAL93638.1  hypothetical exported 24-amino acid repeat protein							
					3	8	3.8437	9.7787								
FN1517	-0.240	15.926	1.464e-2	6.337e-2	235	262	235.0000	296.5470	AAL93643.1  Leucyl-tRNA synthetase							
					175	201	224.2169	245.6894								
FN1518						9		10.1867	AAL93644.1  RNA polymerase sigma-H factor							
						6		7.3340								
FN1519	-0.052	9.057	8.335e-2	4.58e-1	21	21	21.0000	23.7690	AAL93645.1  23S rRNA methyltransferase							
					19	19	24.3435	23.2244								
FN1520	0.821	12.750	1.369e-3	3.704e-3	122	52	122.0000	58.8567	AAL93646.1  UDP-N-acetylglucosamine 1-carboxyvinyltransferase							
					77	54	98.6554	66.0061								
FN1521						15		16.9779	AAL93647.1  Dipeptide transport system permease protein dppB							
						16		19.5574								
FN1523	-0.519	16.339	1.033e-4	1.148e-4	253	299	253.0000	338.4258	AAL93649.1  Dipeptide-binding protein							
					178	287	228.0606	350.8103								
FN1524						5		5.6593	AAL93650.1  Dipeptide transport ATP-binding protein dppD							
FN1525	0.442	5.443				5		5.6593	AAL93651.1  Dipeptide transport ATP-binding protein dppF							
					6		7.6874									

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.005

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no	n/a	bars
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yes	+	p-, q-Values
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Dot Plots Dot Plots

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1526	-0.638	22.065	3.842e-4	7.109e-4	1491	2415	1491.0000	2733.4394	AAL93652.1  Fusobacterium outer membrane protein family							
					1457	2039	1866.7659	2492.3421								
FN1527	-0.874	14.420	1.588e-4	2.084e-4	97	164	97.0000	185.6249	AAL93653.1  Hypothetical protein							
					95	176	121.7177	215.1310								
FN1528	-0.950	14.337	1.05e-3	2.551e-3	84	173	84.0000	195.8116	AAL93654.1  Hypothetical protein							
					96	167	122.9990	204.1300								
FN1529	-0.438	12.752	2.029e-2	9.178e-2	53	79	53.0000	89.4169	AAL93655.1  Hypothetical protein							
					70	85	89.6868	103.8985								
FN1531	0.821	10.195	1.847e-2	8.262e-2	59	25	59.0000	28.2965	AAL93657.1  murein hydrolase export regulator							
					25	19	32.0310	23.2244								
FN1533	0.285	18.751	1.004e-4	1.097e-4	744	534	744.0000	604.4127	AAL93659.1  Electron transfer flavoprotein alpha-subunit							
					564	490	722.6190	598.9444								
FN1534	0.052	19.332	8.7e-2	4.807e-1	868	657	868.0000	743.6313	AAL93660.1  Electron transfer flavoprotein beta-subunit							
					614	697	786.6810	851.9678								
FN1535	0.258	20.294	7.127e-4	1.563e-3	1208	873	1208.0000	988.1129	AAL93661.1  Acyl-CoA dehydrogenase, short-chain specific							
					993	888	1272.2708	1085.4339								
FN1536	0.403	17.709	1.128e-4	1.295e-4	539	369	539.0000	417.6560	AAL93662.1  (S)-2-hydroxy-acid oxidase chain D							
					410	317	525.3082	387.4804								
FN1537						4		4.5274	AAL93663.1  Arsenical pump-driving ATPase							
						11		13.4457								
FN1538	-0.655	6.995			9	11	9.0000	12.4504	AAL93664.1  Arsenical pump-driving ATPase							
						13		15.8904								
FN1539	-0.327	15.290	2.81e-4	4.633e-4	187	205	187.0000	232.0311	AAL93665.1  Iron-sulfur cluster-binding protein							
					133	177	170.4048	216.3534								
FN1540	-0.732	14.837	7.582e-5	7.271e-5	122	205	122.0000	232.0311	AAL93666.1  Iron-sulfur cluster-binding protein							
					112	171	143.4988	209.0194								
FN1544	-0.117	15.005	4.955e-2	2.56e-1	156	162	156.0000	183.3611	AAL93670.1  Probable electron transfer flavoprotein-quinone oxidoreductase ydiS							
					150	159	192.1859	194.3513								
FN1545	-0.225	9.202	7.222e-2	3.895e-1	18	28	18.0000	31.6921	AAL93671.1  Ferredoxin like protein							
					21	17	26.9060	20.7797								
FN1546	0.606	20.143	2.58e-4	4.147e-4	1330	730	1330.0000	826.2570	AAL93672.1  Protein Translation Elongation Factor G (EF-G)							
					1034	751	1324.8016	917.9740								

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GO: amino acid transport

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.005

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1547	-0.316	14.795	3.208e-5	1.915e-5	151	165	151.0000	186.7567	AAL93673.1  PTS permease for N-acetylglucosamine and glucose							
					118	155	151.1863	189.4620								
FN1548	0.477	10.804	3.204e-2	1.553e-1	37	32	37.0000	36.2195	AAL93674.1  Hypothetical protein							
					49	29	62.7807	35.4477								
FN1549	0.343	19.753	2.978e-3	9.795e-3	1019	667	1019.0000	754.9499	AAL93675.1  Stomatin like protein							
					857	748	1098.0222	914.3070								
FN1552						12		13.5823	AAL93678.1  abortive phage resistance protein							
						12		14.6680								
FN1553	-0.038	8.779	1.476e-1	8.762e-1	26	17	26.0000	19.2416	AAL93679.1  abortive phage resistance protein							
					12	19	15.3749	23.2244								
FN1554	-0.953	16.471	3.379e-4	5.945e-4	195	337	195.0000	381.4365	AAL93680.1  Fusobacterium outer membrane protein family							
					186	374	238.3105	457.1535								
FN1555	0.494	24.054	7.898e-6	2.287e-6	5050	3198	5050.0000	3619.6849	AAL93681.1  Protein Translation Elongation Factor Tu							
					3790	2792	4855.8975	3412.7607								
FN1556	0.097	20.934	2.3e-2	1.057e-1	1392	1210	1392.0000	1369.5493	AAL93682.1  Protein Translation Elongation Factor G (EF-G)							
					1199	1119	1536.2061	1367.7934								
FN1557	2.045	14.967	9.541e-5	1.014e-4	381	79	381.0000	89.4169	AAL93683.1  SSU ribosomal protein S7P							
					270	71	345.9346	86.7858								
FN1558									AAL93684.1  SSU ribosomal protein S12P							
					83		106.3429									
FN1560	-0.656	13.653	1.924e-4	2.739e-4	86	133	86.0000	150.5372	AAL93686.1  unknown							
					74	110	94.8117	134.4569								
FN1562	-1.550	6.194			5	14	5.0000	15.8460	AAL93688.1  Phospho-2-dehydro-3-deoxyheptonate aldolase							
						11		13.4457								
FN1577	-0.079	14.568	3.613e-2	1.788e-1	152	134	152.0000	151.6691	AAL93692.1  Rod shape-determining protein mreB							
					118	138	151.1863	168.6823								
FN1579	-0.459	12.170	4.335e-3	1.539e-2	62	78	62.0000	88.2850	AAL93694.1  CysteinyI-tRNA synthetase							
					42	58	53.8121	70.8955								
FN1580						6		6.7912	AAL93695.1  2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase							
FN1581	-0.610	10.586	4.59e-3	1.647e-2	34	37	34.0000	41.8788	AAL93696.1  DNA mismatch repair protein mutS							
					23	45	29.4685	55.0051								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1582						11		13.4457	AAL93697.1  Hypothetical protein							
FN1589	-1.276	9.956	2.001e-3	6.064e-3	20	37	20.0000	41.8788	AAL93704.1  LexA repressor							
FN1591	-0.438	15.917	1.34e-4	1.648e-4	202	247	202.0000	279.5692	AAL93706.1  RNFB-related protein							
FN1592									AAL93707.1  Na(+)-translocating NADH-quinone reductase subunit D							
FN1594	0.815	12.225	3.051e-5	1.748e-5	90	49	90.0000	55.4611	AAL93709.1  Nitrogen fixation protein RNFG							
FN1595	0.443	14.395	9.011e-4	2.09e-3	177	121	177.0000	136.9549	AAL93710.1  Na(+)-translocating NADH-quinone reductase subunit B							
FN1596	-0.538	19.910	1.288e-3	3.388e-3	748	1055	748.0000	1194.1112	AAL93711.1  Nitrogen fixation iron-sulphur protein RNFC							
FN1597	-1.886	5.886			4	11	4.0000	12.4504	AAL93712.1  Peptidyl-tRNA hydrolase							
FN1600								6.7912	AAL93715.1  tRNA pseudouridine synthase A							
FN1601								4.8893	AAL93716.1  Hypothetical cytosolic protein							
FN1602								5.1250	AAL93717.1  Hypothetical cytosolic protein							
FN1603	-1.777	7.171	2.058e-4	3.034e-4	4	22	4.0000	24.9009	AAL93718.1  2',3'-cyclic nucleotide 3'-phosphodiesterase							
FN1605	-0.533	16.299	3.651e-4	6.636e-4	239	314	239.0000	355.4037	AAL93720.1  Adenylosuccinate synthetase							
FN1606	-1.934	9.616	5.688e-6	1.373e-6	12	46	12.0000	52.0655	AAL93721.1  3-deoxy-D-manno-octulosonic-acid transferase							
FN1607	-1.077	7.792				22		24.9009	AAL93722.1  Cytidylate kinase							
FN1609	-3.843	7.843			4	55	4.0000	62.2522	AAL93724.1  Hypothetical protein							

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Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1610	-0.837	8.135	3.9e-4	7.255e-4	11	18	11.0000	20.3735	AAL93725.1  33 kDa chaperonin							
					11	20	14.0936	24.4467		■						
FN1611									AAL93726.1  Competence protein							
						3		3.6670								
FN1613	-0.131	8.589	3.769e-2	1.877e-1	17	19	17.0000	21.5053	AAL93728.1  Hypothetical protein							
					16	16	20.4998	19.5574								
FN1614	-0.923	9.380	6.385e-3	2.443e-2	17	25	17.0000	28.2965	AAL93729.1  MG(2+) chelatase family protein							
					16	35	20.4998	42.7817		■						
FN1616	1.703	9.788	1.199e-2	5.059e-2	74	14	74.0000	15.8460	AAL93731.1  N utilization substance protein B							
					26	14	33.3122	17.1127		■						
FN1618	0.513	10.595	1.399e-3	3.82e-3	44	29	44.0000	32.8239	AAL93733.1  Hypothetical protein							
					39	27	49.9683	33.0031		■						
FN1619	1.804	14.923	1.135e-3	2.836e-3	282	90	282.0000	101.8673	AAL93734.1  Hypothetical cytosolic protein							
					294	71	376.6844	86.7858		■						
FN1620	-0.186	18.736	7.55e-3	2.966e-2	624	589	624.0000	666.6649	AAL93735.1  SSU ribosomal protein S2P							
					480	608	614.9949	743.1800								
FN1621	-0.264	21.085	1.658e-2	7.3e-2	1181	1389	1181.0000	1572.1521	AAL93736.1  Protein Translation Elongation Factor Ts							
					1203	1388	1541.3311	1696.6017								
FN1622	-0.173	15.566	1.593e-2	6.974e-2	224	207	224.0000	234.2948	AAL93737.1  Uridylate kinase							
					149	191	190.9047	233.4661								
FN1623	-0.657	12.842	3.933e-3	1.364e-2	66	107	66.0000	121.1089	AAL93738.1  Ribosome Recycling Factor (RRF)							
					55	77	70.4682	94.1198		■						
FN1624	-0.341	12.388	6.462e-4	1.384e-3	66	70	66.0000	79.2301	AAL93739.1  Protein translocase subunit secY							
					50	70	64.0620	85.5635		■						
FN1625	-0.387	14.085	1.329e-3	3.546e-3	114	140	114.0000	158.4603	AAL93740.1  LSU ribosomal protein L15P							
					91	117	116.5928	143.0133		■						
FN1626	-0.900	11.987	7.562e-5	7.244e-5	51	75	51.0000	84.8894	AAL93741.1  LSU ribosomal protein L30P							
					33	73	42.2809	89.2305		■						
FN1627	0.508	18.203	1.979e-2	8.923e-2	791	397	791.0000	449.3480	AAL93742.1  SSU ribosomal protein S5P							
					405	386	518.9020	471.8215								
FN1628	0.274	15.172	3.376e-2	1.653e-1	242	177	242.0000	200.3390	AAL93743.1  LSU ribosomal protein L18P							
					141	122	180.6548	149.1249								

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Test Cutoff

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■	yes	+
■	no	n/a
■	yes	-
■	yes	+
■	yes	-

Applies To: ratios, bars; bars; ratios, bars; p-, q-Values

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1629	-1.235	17.092	1.41e-5	5.192e-6	217	524	217.0000	593.0941	AAL93744.1  LSU ribosomal protein L6P							
					211	453	270.3415	553.7180								
FN1630	0.382	14.101	6.248e-2	3.316e-1	204	108	204.0000	122.2408	AAL93745.1  SSU ribosomal protein S8P							
					77	90	98.6554	110.0102								
FN1631	1.383	8.384			27	10	27.0000	11.3186	AAL93746.1  SSU ribosomal protein S14P							
					25		32.0310									
FN1632	-0.245	17.018	1.921e-3	5.772e-3	326	367	326.0000	415.3922	AAL93747.1  LSU ribosomal protein L5P							
					268	309	343.3722	377.7017								
FN1634	0.349	10.575	2.107e-2	9.573e-2	51	32	51.0000	36.2195	AAL93749.1  LSU ribosomal protein L24P							
					29	27	37.1559	33.0031								
FN1635	0.958	11.759	4.306e-3	1.526e-2	68	39	68.0000	44.1425	AAL93750.1  LSU ribosomal protein L14P							
					75	33	96.0930	40.3371								
FN1636	-1.114	11.264	2.879e-3	9.391e-3	29	76	29.0000	86.0213	AAL93751.1  SSU ribosomal protein S17P							
					30	49	38.4372	59.8944								
FN1637	-0.289	10.697	1.072e-1	6.077e-1	34	18	34.0000	20.3735	AAL93752.1  LSU ribosomal protein L29P							
					31	57	39.7184	69.6731								
FN1638	-0.088	16.494	2.375e-2	1.096e-1	292	264	292.0000	298.8108	AAL93753.1  LSU ribosomal protein L16P							
					232	268	297.2476	327.5859								
FN1639	0.286	19.945	1.71e-2	7.562e-2	1241	778	1241.0000	880.5863	AAL93754.1  SSU ribosomal protein S3P							
					763	768	977.5857	938.7537								
FN1640	1.630	15.969	1.477e-3	4.125e-3	380	128	380.0000	144.8779	AAL93755.1  LSU ribosomal protein L22P							
					399	117	511.2145	143.0133								
FN1641	-0.028	15.694	1.364e-1	7.991e-1	246	225	246.0000	254.6683	AAL93756.1  SSU ribosomal protein S19P							
					164	172	210.1233	210.2417								
FN1642	-1.107	16.915	2.324e-4	3.626e-4	233	429	233.0000	485.5675	AAL93757.1  LSU ribosomal protein L2P							
					192	447	245.9980	546.3840								
FN1643	-0.010	12.933	1.377e-1	8.084e-1	84	78	84.0000	88.2850	AAL93758.1  LSU ribosomal protein L23P							
					72	73	92.2492	89.2305								
FN1644	0.360	20.141	3.73e-5	2.586e-5	1202	862	1202.0000	975.6624	AAL93759.1  LSU ribosomal protein L1E							
					963	755	1233.8336	922.8633								
FN1645	0.481	18.801	1.256e-4	1.503e-4	764	528	764.0000	597.6215	AAL93760.1  LSU ribosomal protein L3P							
					650	447	832.8056	546.3840								

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Test Cutoff

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yes	+	ratios, bars
no	n/a	bars
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yes	+	p-, q-Values
yes	-	



Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1646	-0.451	15.567	4.517e-3	1.616e-2	163	223	163.0000	252.4045	AAL93761.1  SSU ribosomal protein S10P							
					167	215	213.9670	262.8021								
FN1647	0.273	17.449	3.025e-2	1.451e-1	530	384	530.0000	434.6338	AAL93762.1  Hypothetical protein							
					312	274	399.7467	334.9199								
FN1652	-1.164	14.047	4.821e-5	3.877e-5	88	167	88.0000	189.0204	AAL93767.1  Oligopeptide-binding protein oppA							
					67	164	85.8430	200.4630								
FN1654	0.302	9.947	1.47e-2	6.368e-2	39	23	39.0000	26.0328	AAL93769.1  Hypothetical protein							
					24	25	30.7497	30.5584								
FN1655	-1.198	11.651	1.272e-6	1.857e-7	39	74	39.0000	83.7576	AAL93770.1  Hypothetical cytosolic protein							
					28	72	35.8747	88.0082								
FN1656					21		21.0000		AAL93771.1  SSU ribosomal protein S18P							
					27		34.5935									
FN1657	-1.602	13.685	6.451e-5	5.802e-5	60	188	60.0000	212.7895	AAL93772.1  SSU ribosomal protein S6P							
					56	153	71.7494	187.0173								
FN1658	0.034	15.275	1.224e-1	7.062e-1	189	188	189.0000	212.7895	AAL93773.1  Prolyl-tRNA synthetase							
					167	148	213.9670	180.9057								
FN1660									AAL93775.1  ATP-dependent DNA helicase recG							
						4		4.8893								
FN1661	-0.035	10.939	1.472e-1	8.735e-1	44	49	44.0000	55.4611	AAL93776.1  Hypothetical cytosolic protein							
					34	28	43.5621	34.2254								
FN1662	-0.570	9.943	6.345e-3	2.424e-2	31	33	31.0000	37.3513	AAL93777.1  Hypothetical protein							
					16	32	20.4998	39.1147								
FN1663	0.687	7.648	8.592e-6	2.604e-6	18	10	18.0000	11.3186	AAL93778.1  Hypothetical protein							
					14	9	17.9374	11.0010								
FN1666									AAL93781.1  Hypothetical protein							
						3		3.6670								
FN1670	-1.431	10.553	5.101e-5	4.216e-5	28	52	28.0000	58.8567	AAL93785.1  Choline kinase							
					15	56	19.2186	68.4508								
FN1671						5		5.6593	AAL93786.1  hypothetical exported protein							
						4		4.8893								
FN1679	0.061	16.695	9.283e-2	5.17e-1	354	258	354.0000	292.0196	AAL93794.1  LPS biosynthesis protein WbpG							
					243	283	311.3412	345.9209								

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Test Cutoff

q-Value

p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
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Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2
FN1683	-1.101	12.498	1.248e-3	3.237e-3	68	91	68.0000	102.9992	AAL93798.1  Acetyltransferase					
					28	98	35.8747	119.7889		■				
FN1684	0.149	16.554	8.54e-3	3.426e-2	311	257	311.0000	290.8878	AAL93799.1  N-acetylneuraminate synthase					
					267	244	342.0909	298.2499						
FN1685	-0.397	11.898	1.175e-2	4.947e-2	50	54	50.0000	61.1204	AAL93800.1  dTDP-4-dehydrorhamnose reductase					
					45	66	57.6558	80.6741		■				
FN1686	0.065	15.493	1.181e-1	6.782e-1	256	182	256.0000	205.9983	AAL93801.1  Spore coat polysaccharide biosynthesis protein spsF					
					143	175	183.2172	213.9087						
FN1687	-0.132	15.420	7.712e-2	4.193e-1	222	221	222.0000	250.1408	AAL93802.1  Gluconate 5-dehydrogenase					
					139	154	178.0923	188.2397		■				
FN1688	0.776	12.314	4.389e-5	3.388e-5	92	51	92.0000	57.7248	AAL93803.1  Oxidoreductase					
					74	42	94.8117	51.3381		■				
FN1689	-0.178	18.102	1.501e-3	4.217e-3	494	484	494.0000	547.8197	AAL93804.1  UDP-N-acetylglucosamine 4,6-dehydratase					
					393	475	503.5271	580.6094		■				
FN1690	-1.672	10.587	3.332e-5	2.057e-5	26	60	26.0000	67.9115	AAL93805.1  Hypothetical protein					
					14	59	17.9374	72.1178		■				
FN1692	-0.883	11.575	7.625e-3	3e-2	57	71	57.0000	80.3620	AAL93807.1  Glycosyl transferase					
					19	57	24.3435	69.6731		■				
FN1693	-0.112	8.271	1.084e-1	6.151e-1	21	15	21.0000	16.9779	AAL93808.1  Hypothetical protein					
					10	16	12.8124	19.5574		■				
FN1694	-0.393	13.401	3.491e-5	2.253e-5	88	108	88.0000	122.2408	AAL93809.1  UDP-N-acetyl-D-quinovosamine 4-epimerase					
					73	95	93.5305	116.1219		■				
FN1695	0.292	10.167	2.494e-2	1.159e-1	43	25	43.0000	28.2965	AAL93810.1  Probable quinovosaminephosphotransferase					
					25	27	32.0310	33.0031		■				
FN1696	-0.144	14.664	1.379e-2	5.92e-2	163	147	163.0000	166.3833	AAL93811.1  UDP-N-acetylglucosamine 4,6-dehydratase					
					112	141	143.4988	172.3493		■				
FN1697	-1.167	13.721	6.157e-4	1.301e-3	68	136	68.0000	153.9328	AAL93812.1  Hypothetical protein					
					68	159	87.1243	194.3513		■				
FN1698	-0.074	12.875	1.006e-1	5.662e-1	78	88	78.0000	99.6036	AAL93813.1  dTDP-4-dehydrorhamnose reductase					
					71	64	90.9680	78.2295		■				
FN1700						9		11.0010	AAL93815.1  Hypothetical protein					

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.005

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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1701	-1.255	10.774	1.84e-5	8.057e-6	26	57	26.0000	64.5160	AAL93816.1  ABC transporter ATP-binding protein							
					22	53	28.1873	64.7838								
FN1703	-0.918	13.513	3.033e-5	1.73e-5	74	133	74.0000	150.5372	AAL93818.1  ADP-L-glycero-D-manno-heptose-6-epimerase							
					65	120	83.2806	146.6803								
FN1704	-1.512	7.127			7	18	7.0000	20.3735	AAL93819.1  Serine protease							
						16		19.5574								
FN1707						7		7.9230	AAL93822.1  Aldose 1-epimerase							
						4		4.8893								
FN1708	-0.504	18.437	5.877e-6	1.441e-6	488	634	488.0000	717.5986	AAL93823.1  Polyribonucleotide nucleotidyltransferase							
					400	574	512.4958	701.6206								
FN1711	-2.157	5.706	2.347e-6	4.111e-7	3	14	3.0000	15.8460	AAL93826.1  Methyltransferase							
					3	12	3.8437	14.6680								
FN1713									AAL93828.1  tRNA (Uracil-5-) -methyltransferase							
						6		7.3340								
FN1717	-2.442	9.822	2.502e-4	3.989e-4	13	57	13.0000	64.5160	AAL93832.1  NAD-dependent DNA ligase							
					10	62	12.8124	75.7848								
FN1718	-0.953	17.908	2.743e-4	4.488e-4	372	569	372.0000	644.0277	AAL93833.1  Protein translocase subunit secA							
					266	602	340.8097	735.8460								
FN1719	-0.715	16.583	3.33e-5	2.054e-5	261	341	261.0000	385.9639	AAL93834.1  Hypothetical protein							
					178	341	228.0606	416.8164								
FN1722						7		7.9230	AAL93837.1  Glucose inhibited division protein B							
						4		4.8893								
FN1723	-0.389	13.184	8.235e-3	3.282e-2	93	86	93.0000	97.3399	AAL93838.1  Glucose inhibited division protein A							
					59	101	75.5931	123.4559								
FN1724	-0.577	6.699			9	11	9.0000	12.4504	AAL93839.1  Potassium uptake protein KtrA							
					6		7.6874									
FN1727					4		4.0000		AAL93842.1  Chloride channel protein							
					4		5.1250									
FN1728	-1.893	6.917	2.063e-6	3.481e-7	5	18	5.0000	20.3735	AAL93843.1  Pyrrolidone-carboxylate peptidase							
					5	18	6.4062	22.0020								
FN1730	-1.332	7.217				18		20.3735	AAL93845.1  Para-aminobenzoate synthase component I							
					6	15	7.6874	18.3350								

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1731					16		16.0000		AAL93846.1  Anthranilate synthase component II							
FN1732	-0.305	8.862	6.336e-2	3.367e-1	26	24	26.0000	27.1646	AAL93847.1  Hypothetical protein							
					10	17	12.8124	20.7797								
FN1734	0.282	13.552	2.984e-2	1.427e-1	102	86	102.0000	97.3399	AAL93849.1  V-type sodium ATP synthase subunit B							
					109	83	139.6551	101.4538								
FN1735	-0.552	11.297	1.147e-3	2.875e-3	38	49	38.0000	55.4611	AAL93850.1  V-type sodium ATP synthase subunit A							
					35	54	44.8434	66.0061								
FN1736	-0.692	6.687	3.585e-4	6.464e-4	7	12	7.0000	13.5823	AAL93851.1  V-type sodium ATP synthase subunit A							
					7	10	8.9687	12.2234								
FN1737						5		5.6593	AAL93852.1  V-type sodium ATP synthase subunit G							
						9		11.0010								
FN1738	-0.713	8.155	3.759e-3	1.291e-2	11	22	11.0000	24.9009	AAL93853.1  V-type sodium ATP synthase subunit C							
					12	15	15.3749	18.3350								
FN1739	1.461	6.684			17		17.0000		AAL93854.1  V-type sodium ATP synthase subunit E							
					13	5	16.6561	6.1117								
FN1741	-1.416	6.966	4.968e-5	4.052e-5	6	15	6.0000	16.9779	AAL93856.1  V-type sodium ATP synthase subunit I							
					6	16	7.6874	19.5574								
FN1745	0.611	5.434	2.23e-2	1.021e-1	6	4	6.0000	4.5274	AAL93860.1  Cystathionine gamma-synthase							
					8	5	10.2499	6.1117								
FN1752					3		3.0000		AAL93867.1  Regulatory protein TENI							
FN1763	-0.243	7.602				16		18.1097	AAL93876.1  Hypothetical cytosolic protein							
					10	10	12.8124	12.2234								
FN1764	-0.224	23.234	2.337e-4	3.655e-4	2954	3002	2954.0000	3397.8406	AAL93877.1  Enolase							
					2231	2773	2858.4452	3389.5364								
FN1765	-0.880	19.371	5.355e-5	4.511e-5	563	933	563.0000	1056.0244	AAL93878.1  Pyruvate kinase							
					508	964	650.8696	1178.3314								
FN1780	-0.124	9.621	7.404e-2	4.005e-1	23	28	23.0000	31.6921	AAL93879.1  Hypothetical protein							
					24	22	30.7497	26.8914								
FN1781	-0.570	18.459	1.946e-4	2.787e-4	496	666	496.0000	753.8181	AAL93880.1  LytB protein							
					382	580	489.4335	708.9546								

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no	n/a	bars
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Dot Plots Dot Plots

Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1784	-2.082	7.441				22		24.9009	AAL93883.1  unknown							
					5	24	6.4062	29.3361		■						
FN1785	0.622	10.161	4.805e-2	2.473e-1	25	32	25.0000	36.2195	AAL93884.1  Hypothetical protein							
					46	15	58.9370	18.3350		■						
FN1786	-0.317	11.942	6.397e-4	1.366e-3	56	60	56.0000	67.9115	AAL93885.1  ADP-heptose synthase							
					44	59	56.3745	72.1178		■						
FN1787	-1.042	11.114	1.322e-3	3.521e-3	40	60	40.0000	67.9115	AAL93886.1  Tetratricopeptide repeat family protein							
					20	55	25.6248	67.2285		■						
FN1788	0.133	9.007	7.27e-2	3.924e-1	27	21	27.0000	23.7690	AAL93887.1  2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase							
					16	16	20.4998	19.5574								
FN1790	1.328	5.077			12		12.0000		AAL93889.1  Cob(I)alamin adenosyltransferase							
					5	3	6.4062	3.6670		■						
FN1792	2.062	24.088	8.106e-9	5.46e-11	8681	1765	8681.0000	1997.7310	AAL93891.1  Hypothetical protein							
					6695	1746	8577.8981	2134.1978		■						
FN1793	-0.653	13.634	8.342e-5	8.319e-5	85	131	85.0000	148.2735	AAL93892.1  Phosphoenolpyruvate-protein phosphotransferase							
					74	110	94.8117	134.4569		■						
FN1794	-0.325	14.614	2.967e-2	1.418e-1	110	148	110.0000	167.5151	AAL93893.1  Phosphocarrier protein HPr							
					135	153	172.9673	187.0173		■						
FN1796									AAL93895.1  unknown							
						5		6.1117								
FN1797	-1.666	11.284	1.595e-5	6.328e-6	33	74	33.0000	83.7576	AAL93896.1  Spermidine/putrescine transport ATP-binding protein potA							
					18	77	23.0623	94.1198		■						
FN1798	-1.273	6.225			6		6.0000		AAL93897.1  Spermidine/putrescine transport system permease protein potB							
					4	11	5.1250	13.4457		■						
FN1800	-0.311	14.924	9.349e-3	3.815e-2	177	172	177.0000	194.6797	AAL93899.1  Peptidyl-prolyl cis-trans isomerase							
					109	162	139.6551	198.0184		■						
FN1801	-0.652	6.267			7		7.0000		AAL93900.1  Sodium/glutamate symport carrier protein							
						9		11.0010		■						
FN1803	1.473	7.445			22	7	22.0000	7.9230	AAL93902.1  Transcriptional regulator, TetR family							
										■						
FN1804						11		12.4504	AAL93903.1  Aminoacyl-histidine dipeptidase							
						10		12.2234								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1807	0.029	17.351	5.788e-2	3.049e-1	407	348	407.0000	393.8869	AAL93906.1  Hypothetical protein							
					327	340	418.9653	415.5941								
FN1808	-1.913	11.762	3.078e-4	5.231e-4	30	93	30.0000	105.2629	AAL93907.1  Hypothetical protein							
					24	101	30.7497	123.4559								
FN1809	0.257	8.951	5.993e-2	3.168e-1	23	23	23.0000	26.0328	AAL93908.1  Iron/zinc/copper-binding protein							
					20	12	25.6248	14.6680								
FN1811	-1.648	10.922	3.729e-5	2.584e-5	19	73	19.0000	82.6257	AAL93910.1  Manganese transport system ATP-binding protein mntA							
					24	60	30.7497	73.3401								
FN1812	-0.884	14.299	1.088e-4	1.234e-4	95	167	95.0000	189.0204	AAL93911.1  Manganese-binding protein							
					89	161	114.0303	196.7960								
FN1813	-1.315	9.374	1.684e-4	2.261e-4	16	34	16.0000	38.4832	AAL93912.1  Manganese-binding protein							
					13	35	16.6561	42.7817								
FN1814	-1.431	8.650	2.654e-3	8.491e-3	18	29	18.0000	32.8239	AAL93913.1  Hypothetical protein							
					5	27	6.4062	33.0031								
FN1816	-0.306	5.795	3.338e-2	1.631e-1	7	6	7.0000	6.7912	AAL93915.1  unknown							
					5	8	6.4062	9.7787								
FN1817	0.425	6.174			12		12.0000		AAL93916.1  Hemolysin							
					6	6	7.6874	7.3340								
FN1819						8		9.0549	AAL93918.1  Export ABC transporter							
						12		14.6680								
FN1820						8		9.0549	AAL93919.1  Export ABC transporter							
						6		7.3340								
FN1822						16		18.1097	AAL93921.1  Flavodoxin							
						10		12.2234								
FN1825					10		10.0000		AAL93924.1  Hypothetical protein							
					7		8.9687									
FN1826	-0.410	11.630	5.195e-3	1.912e-2	49	52	49.0000	58.8567	AAL93925.1  Protease							
					38	58	48.6871	70.8955								
FN1827	-0.895	10.851	6.268e-3	2.389e-2	31	42	31.0000	47.5381	AAL93926.1  Replicative DNA helicase							
					25	57	32.0310	69.6731								
FN1828	-1.285	11.923	1.042e-4	1.164e-4	35	79	35.0000	89.4169	AAL93927.1  LSU ribosomal protein L9P							
					35	86	44.8434	105.1209								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1830	-0.965	8.788	1.069e-4	1.205e-4	16	26	16.0000	29.4283	AAL93929.1  DNA polymerase III subunits gamma and tau							
					11	24	14.0936	29.3361								
FN1831	-0.796	11.183	3.185e-3	1.06e-2	45	55	45.0000	62.2522	AAL93930.1  Nitrogen assimilation regulatory protein							
					22	53	28.1873	64.7838								
FN1832					4		4.0000		AAL93931.1  TonB protein							
FN1833					24		24.0000		AAL93932.1  Biopolymer transport exbD protein							
					15		19.2186									
FN1834	-0.833	10.984	2.285e-4	3.536e-4	29	50	29.0000	56.5929	AAL93933.1  Biopolymer transport exbB protein							
					30	52	38.4372	63.5614								
FN1836	-0.525	13.016	6.48e-5	5.838e-5	80	100	80.0000	113.1859	AAL93935.1  Tetratricopeptide repeat family protein							
					56	86	71.7494	105.1209								
FN1838					11		11.0000		AAL93937.1  Glycerol uptake facilitator protein							
FN1839	1.061	15.629	1.862e-3	5.55e-3	284	135	284.0000	152.8010	AAL93938.1  Glycerol kinase							
					286	130	366.4345	158.9036								
FN1840	1.679	11.320	5.464e-7	5.367e-8	90	24	90.0000	27.1646	AAL93939.1  Dihydroxyacetone kinase							
					71	24	90.9680	29.3361								
FN1841	-0.747	8.326	2.398e-2	1.108e-1	11	14	11.0000	15.8460	AAL93940.1  Dihydroxyacetone kinase							
					13	25	16.6561	30.5584								
FN1842	0.943	10.274	6.731e-4	1.459e-3	54	20	54.0000	22.6372	AAL93941.1  Dihydroxyacetone kinase phosphotransfer protein							
					34	23	43.5621	28.1137								
FN1844									AAL93943.1  Ketoacyl reductase hetN							
FN1847									AAL93946.1  DTDP-4-dehydrorhamnose 3,5-epimerase							
FN1848					4		5.1250		AAL93947.1  Metal dependent hydrolase							
FN1849	-2.749	6.749			4	27	4.0000	30.5602	AAL93948.1  Coenzyme F390 synthetase							
						19		23.2244								
FN1850						5		5.6593	AAL93949.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
						7		8.5563								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1851	-0.557	11.361	7.598e-5	7.293e-5	41	57	41.0000	64.5160	AAL93950.1  Ribonuclease PH							
					34	49	43.5621	59.8944								
FN1852	0.067	10.712	6.879e-2	3.689e-1	39	34	39.0000	38.4832	AAL93951.1  unknown							
					35	34	44.8434	41.5594								
FN1853	-1.173	6.196	1.402e-3	3.832e-3	5	13	5.0000	14.7142	AAL93952.1  Methylaspartate mutase							
					5	9	6.4062	11.0010								
FN1854	-0.915	10.472	6.436e-7	6.825e-8	28	45	28.0000	50.9337	AAL93953.1  Methylaspartate mutase							
					21	43	26.9060	52.5604								
FN1856	-0.236	23.088	9.181e-3	3.733e-2	2988	2855	2988.0000	3231.4573	AAL93955.1  Butyrate-acetoacetate CoA-transferase subunit B							
					1963	2657	2515.0730	3247.7454								
FN1857	0.190	18.976	2.879e-2	1.369e-1	687	633	687.0000	716.4667	AAL93956.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
					661	514	846.8993	628.2805								
FN1858	0.610	12.869	5.854e-3	2.203e-2	92	60	92.0000	67.9115	AAL93957.1  Short-chain fatty acids transporter							
					95	59	121.7177	72.1178								
FN1859	-1.875	22.425	5.322e-4	1.08e-3	1120	4473	1120.0000	5062.8051	AAL93958.1  Major outer membrane protein							
					1060	3294	1358.1138	4026.3732								
FN1860	0.578	9.807	2.499e-2	1.162e-1	27	26	27.0000	29.4283	AAL93959.1  NA+/H+ antiporter NHAC							
					36	16	46.1246	19.5574								
FN1862	0.075	15.728	4.34e-2	2.207e-1	249	211	249.0000	238.8222	AAL93961.1  L-beta-lysine 5,6-aminomutase beta subunit							
					179	176	229.3419	215.1310								
FN1863	0.824	17.264	5.428e-4	1.107e-3	483	246	483.0000	278.4373	AAL93962.1  L-beta-lysine 5,6-aminomutase alpha subunit							
					447	260	572.7140	317.8072								
FN1864	-0.129	8.808	9.99e-2	5.618e-1	20	24	20.0000	27.1646	AAL93963.1  DNA mismatch repair protein mutS							
					16	14	20.4998	17.1127								
FN1865	-0.594	3.764			3	4	3.0000	4.5274	AAL93964.1  Hypothetical protein							
FN1866	-0.041	21.135	7.773e-2	4.231e-1	1420	1326	1420.0000	1500.8450	AAL93965.1  Lysine 2,3-aminomutase							
					1227	1291	1572.0808	1578.0351								
FN1867	0.438	19.764	1.161e-3	2.926e-3	1165	736	1165.0000	833.0482	AAL93966.1  Zn-dependent alcohol dehydrogenases and related dehydrogenases							
					805	645	1031.3978	788.4064								
FN1868	-0.191	14.985	7.034e-3	2.731e-2	168	179	168.0000	202.6028	AAL93967.1  Hypothetical cytosolic protein							
					132	149	169.1236	182.1280								

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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1869	-0.375	15.226	4.489e-3	1.604e-2	167	180	167.0000	203.7346	AAL93968.1  Hypothetical protein							
					138	198	176.8110	242.0224								
FN1870	-0.932	4.817							AAL93969.1  unknown							
					3	6	3.8437	7.3340								
FN1871						9		10.1867	AAL93970.1  unknown							
						9		11.0010								
FN1872						17		19.2416	AAL93971.1  unknown							
						19		23.2244								
FN1873	-0.124	11.905	5.623e-2	2.954e-1	52	57	52.0000	64.5160	AAL93972.1  Bis(5'-nucleosyl)-tetraphosphatase							
					52	53	66.6245	64.7838								
FN1874	-1.083	10.169	9.898e-5	1.073e-4	21	43	21.0000	48.6699	AAL93973.1  Ribose 5-phosphate isomerase							
					20	41	25.6248	50.1158								
FN1875	-0.055	13.845	1.35e-1	7.898e-1	133	131	133.0000	148.2735	AAL93974.1  Peptidyl-prolyl cis-trans isomerase							
					82	81	105.0616	99.0092								
FN1877					7		7.0000		AAL93976.1  Guanine-hypoxanthine permease							
FN1878	-1.230	5.874			5	11	5.0000	12.4504	AAL93977.1  unknown							
						9		11.0010								
FN1879	-0.567	10.101			25		25.0000		AAL93978.1  SSU ribosomal protein S20P							
					23	33	29.4685	40.3371								
FN1880	0.261	11.039	6.04e-2	3.195e-1	62	33	62.0000	37.3513	AAL93979.1  Oxygen-insensitive NAD(P)H nitroreductase							
					30	38	38.4372	46.4487								
FN1881					6		6.0000		AAL93980.1  Esterase							
FN1884	0.857	12.449	9.932e-3	4.091e-2	77	55	77.0000	62.2522	AAL93983.1  unknown							
					97	40	124.2802	48.8934								
FN1890	1.438	7.041	7.304e-4	1.61e-3	16	8	16.0000	9.0549	AAL93989.1  Hypothetical protein							
					17	4	21.7811	4.8893								
FN1891	0.151	7.369	1.013e-1	5.703e-1	13	14	13.0000	15.8460	AAL93990.1  Glycerophosphoryl diester phosphodiesterase							
					11	7	14.0936	8.5563								
FN1893	-1.052	18.021	3.598e-4	6.499e-4	309	648	309.0000	733.4446	AAL93991.1  Fusobacterium outer membrane protein family							
					318	615	407.4341	751.7363								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
<b>FN1895</b>					5		5.0000		AAL93994.1  Hypothetical protein							
<b>FN1898</b>	-0.600	10.928	5.152e-3	1.893e-2	32	55	32.0000	62.2522	AAL93997.1  Sugar transport ATP-binding protein							
<b>FN1899</b>	-0.635	14.521	4.938e-4	9.835e-4	109	181	109.0000	204.8665	AAL93998.1  Hypothetical lipoprotein							
<b>FN1902</b>	-0.214	9.710	3.108e-2	1.498e-1	23	27	23.0000	30.5602	AAL94001.1  Deoxycytidylate deaminase							
<b>FN1903</b>	1.093	12.958	4.744e-5	3.787e-5	126	55	126.0000	62.2522	AAL94002.1  Coenzyme A disulfide reductase/ disulfide bond regulator domain							
<b>FN1905</b>	-0.290	3.460			3		3.0000		AAL94004.1  outer membrane protein							
<b>FN1906</b>	-0.001	16.361	1.635e-1	9.896e-1	320	257	320.0000	290.8878	AAL94005.1  Cytosol aminopeptidase							
<b>FN1908</b>	-0.372	15.435	6.722e-3	2.592e-2	192	233	192.0000	263.7231	AAL94007.1  Glycerophosphoryl diester phosphodiesterase							
<b>FN1909</b>	-0.228	14.218	5.994e-4	1.256e-3	127	129	127.0000	146.0098	AAL94008.1  UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase							
<b>FN1910</b>	0.532	17.313	1.498e-3	4.204e-3	454	257	454.0000	290.8878	AAL94009.1  periplasmic protein							
<b>FN1911</b>	0.105	21.007	3.143e-2	1.518e-1	1561	1318	1561.0000	1491.7901	AAL94010.1  Outer membrane protein							
<b>FN1912</b>	-2.460	7.175				25		28.2965	AAL94011.1  Hypothetical protein							
<b>FN1913</b>	-0.991	12.146	2.015e-4	2.936e-4	43	77	43.0000	87.1531	AAL94012.1  hydrolase (HD superfamily)							
<b>FN1914</b>	-0.623	12.497	1.233e-3	3.184e-3	70	76	70.0000	86.0213	AAL94013.1  Anti-sigma F factor antagonist							
<b>FN1917</b>						3		3.6670	AAL94016.1  tRNA delta(2)-isopentenylpyrophosphate transferase							
<b>FN1918</b>	0.288	12.341	2.08e-2	9.434e-2	90	59	90.0000	66.7797	AAL94017.1  SPO0B-associated GTP-binding protein							

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Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1919	-2.787	8.571	1.538e-5	5.96e-6	11	43	11.0000	48.6699	AAL94018.1  Methyltransferase							
					3	44	3.8437	53.7828		■						
FN1922	-0.377	6.262				9		10.1867	AAL94021.1  Hypothetical protein							
					6	8	7.6874	9.7787		■						
FN1923						4		4.5274	AAL94022.1  Adenine-specific methyltransferase							
FN1926	0.306	11.621	2.064e-2	9.352e-2	71	46	71.0000	52.0655	AAL94025.1  Nitrogen regulatory IIA protein							
					42	40	53.8121	48.8934		■						
FN1927	-0.585	12.934	1.919e-3	5.766e-3	74	104	74.0000	117.7133	AAL94026.1  DEGV protein							
					55	81	70.4682	99.0092		■						
FN1928	0.186	7.409			15		15.0000		AAL94027.1  Transcriptional regulator, MerR family							
					10	10	12.8124	12.2234		■						
FN1929	-1.330	10.628	1.076e-2	4.475e-2	22	38	22.0000	43.0106	AAL94028.1  Competence-damage protein cinA							
					22	68	28.1873	83.1188		■						
FN1931						4		4.5274	AAL94030.1  Protease							
						5		6.1117								
FN1933	-0.152	7.611	5.258e-2	2.737e-1	15	12	15.0000	13.5823	AAL94032.1  Hypothetical protein							
					9	13	11.5312	15.8904		■						
FN1935	-1.754	4.924			3	6	3.0000	6.7912	AAL94034.1  Adenine-specific methyltransferase							
						11		13.4457		■						
FN1939	-0.314	7.208	2.067e-2	9.369e-2	9	11	9.0000	12.4504	AAL94038.1  Hypothetical protein							
					10	12	12.8124	14.6680		■						
FN1941	-0.193	13.273	7.688e-3	3.029e-2	99	94	99.0000	106.3947	AAL94040.1  ClpB protein							
					68	87	87.1243	106.3432		■						
FN1942						4		4.5274	AAL94041.1  putative DNA-binding protein							
FN1943	-0.290	19.679	1.37e-3	3.709e-3	828	929	828.0000	1051.4970	AAL94042.1  Tryptophanase							
					647	797	828.9619	974.2014		■						
FN1949	-1.370	5.255				10		11.3186	AAL94045.1  Xaa-Pro dipeptidase							
					3	7	3.8437	8.5563		■						
FN1950	-3.486	8.201				55		62.2522	AAL94046.1  Serine protease							
					4	43	5.1250	52.5604		■						

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Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

ratios, bars  
bars  
ratios, bars  
p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1951						3		3.3956	AAL94047.1  ATPase associated with chromosome architecture/replication							
						8		9.7787								
FN1964	-0.805	8.642	6.811e-3	2.631e-2	20	24	20.0000	27.1646	AAL94054.1  O-linked GLCNAC transferase							
					8	21	10.2499	25.6690								
FN1965	0.256	10.490	2.682e-2	1.26e-1	47	30	47.0000	33.9558	AAL94055.1  Tetratricopeptide repeat family protein							
					28	29	35.8747	35.4477								
FN1966	-0.059	11.533	1.202e-1	6.915e-1	49	42	49.0000	47.5381	AAL94056.1  Hypothetical protein							
					45	52	57.6558	63.5614								
FN1970	1.396	6.219			14	4	14.0000	4.5274	AAL94060.1  Hemin-binding periplasmic protein hmuT precursor							
						5		6.1117								
FN1971	0.109	8.767	9.539e-2	5.332e-1	19	15	19.0000	16.9779	AAL94061.1  Hemin receptor							
					19	19	24.3435	23.2244								
FN1972	0.231	7.335	4.225e-2	2.142e-1	16	11	16.0000	12.4504	AAL94062.1  unknown							
					9	9	11.5312	11.0010								
FN1973	2.612	12.252	3.902e-5	2.856e-5	166	24	166.0000	27.1646	AAL94063.1  Translation initiation inhibitor							
					140	24	179.3735	29.3361								
FN1974						6		6.7912	AAL94064.1  DNA/RNA helicase (DEAD/DEAH BOX family)							
						8		9.7787								
FN1975	-0.653	14.244	1.97e-4	2.837e-4	103	164	103.0000	185.6249	AAL94065.1  ATP-dependent RNA helicase							
					93	134	119.1553	163.7930								
FN1976	-1.202	9.819	9.477e-4	2.23e-3	14	46	14.0000	52.0655	AAL94066.1  4-amino-4-deoxychorismate lyase							
					20	32	25.6248	39.1147								
FN1977	-0.923	4.923			4	8	4.0000	9.0549	AAL94067.1  Cell cycle protein MesJ							
						5		6.1117								
FN1978	-0.599	14.873	1.937e-4	2.766e-4	129	178	129.0000	201.4709	AAL94068.1  Cell division proteinftsH							
					119	184	152.4675	224.9097								
FN1979	1.316	14.456	1.183e-3	3.004e-3	204	75	204.0000	84.8894	AAL94069.1  SSU ribosomal protein S15P							
					210	86	269.0603	105.1209								
FN1980									AAL94070.1  Transporter							
					3		3.8437									
FN1983	0.554	18.002	2.665e-3	8.536e-3	564	380	564.0000	430.1064	AAL94073.1  Alkyl hydroperoxide reductase C22 protein							
					529	340	677.7757	415.5941								

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yes	+	ratios, bars
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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN1984	0.514	16.887	2.091e-3	6.385e-3	376	276	376.0000	312.3931	AAL94074.1  Thioredoxin reductase							
					356	221	456.1212	270.1361								
FN1985	-0.717	12.352	1.767e-3	5.194e-3	50	72	50.0000	81.4938	AAL94075.1  Inner membrane protein							
					49	85	62.7807	103.8985								
FN1986	-0.356	15.861	2.635e-3	8.419e-3	234	248	234.0000	280.7010	AAL94076.1  Hypothetical protein							
					154	222	197.3109	271.3585								
FN1987	-0.545	4.834	1.357e-3	3.658e-3	5	6	5.0000	6.7912	AAL94077.1  Transcriptional regulator, GntR family							
					3	5	3.8437	6.1117								
FN1988	0.987	12.239	3.608e-4	6.525e-4	92	43	92.0000	48.6699	AAL94078.1  Tyrosine phenol-lyase							
					81	41	103.7804	50.1158								
FN1991	-0.018	16.999	9.589e-2	5.363e-1	349	326	349.0000	368.9860	AAL94081.1  Glucosamine-1-phosphate acetyltransferase							
					289	294	370.2782	359.3666								
FN1992	-0.264	15.227	2.353e-4	3.693e-4	173	187	173.0000	211.6576	AAL94082.1  Ribose-phosphate pyrophosphokinase							
					144	178	184.4985	217.5757								
FN1993	0.179	5.180				5		5.6593	AAL94083.1  SUA5 protein							
					5		6.4062									
FN1994	-0.324	11.019	5.567e-3	2.076e-2	43	49	43.0000	55.4611	AAL94084.1  Hypothetical protein							
					30	38	38.4372	46.4487								
FN1995	1.009	7.110	3.173e-2	1.535e-1	9	6	9.0000	6.7912	AAL94085.1  Hypothetical protein							
					19	8	24.3435	9.7787								
FN2001						9		10.1867	AAL94091.1  Hypothetical protein							
						8		9.7787								
FN2007	-1.867	6.961	1.598e-3	4.581e-3	4	15	4.0000	16.9779	AAL94097.1  Glutathione peroxidase							
					6	21	7.6874	25.6690								
FN2008						3		3.6670	AAL94098.1  Glycine betaine transport ATP-binding protein							
FN2011	-0.958	14.186	2.145e-4	3.228e-4	87	171	87.0000	193.5479	AAL94101.1  Valyl-tRNA synthetase							
					85	153	108.9054	187.0173								
FN2013						5		5.6593	AAL94103.1  GTP-binding protein							
FN2014	-0.887	15.552	2.858e-5	1.561e-5	152	275	152.0000	311.2612	AAL94104.1  ATP-dependent protease La							
					133	233	170.4048	284.8042								

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN2015	-0.687	13.402	3.541e-4	6.352e-4	73	108	73.0000	122.2408	AAL94105.1  ATP-dependent clp protease ATP-binding subunit clpX							
					71	116	90.9680	141.7909								
FN2016	-0.190	10.782	3.211e-2	1.557e-1	35	36	35.0000	40.7469	AAL94106.1  ATP-dependent Clp protease proteolytic subunit							
					34	40	43.5621	48.8934								
FN2017	-0.023	19.307	1.39e-1	8.169e-1	711	728	711.0000	823.9933	AAL94107.1  Trigger factor, ppiase							
					692	654	886.6177	799.4074								
FN2018	-0.729	10.204	3.476e-4	6.186e-4	29	36	29.0000	40.7469	AAL94108.1  Single-stranded-DNA-specific exonuclease recJ							
					19	39	24.3435	47.6711								
FN2019	-0.674	10.230	1.126e-2	4.709e-2	19	32	19.0000	36.2195	AAL94109.1  Ribosome-binding factor A							
					28	42	35.8747	51.3381								
FN2020	-0.211	16.009	6.937e-5	6.416e-5	243	242	243.0000	273.9099	AAL94110.1  Bacterial Protein Translation Initiation Factor 2 (IF-2)							
					183	228	234.4668	278.6925								
FN2022	-0.503	12.765	7.657e-6	2.177e-6	71	88	71.0000	99.6036	AAL94112.1  N utilization substance protein A							
					54	81	69.1869	99.0092								
FN2023	0.064	6.716	1.182e-1	6.787e-1	12	8	12.0000	9.0549	AAL94113.1  Hypothetical cytosolic protein							
					7	9	8.9687	11.0010								
FN2030	-0.842	15.443	1.972e-4	2.842e-4	150	265	150.0000	299.9426	AAL94115.1  Inorganic pyrophosphatase							
					129	217	165.2799	265.2468								
FN2031	-0.397	7.612	5.555e-2	2.913e-1	9	10	9.0000	11.3186	AAL94116.1  Thiamine biosynthesis lipoprotein apbE							
					12	17	15.3749	20.7797								
FN2033						16		18.1097	AAL94118.1  Guanylate kinase							
						12		14.6680								
FN2034	0.512	9.490	4.057e-3	1.417e-2	32	17	32.0000	19.2416	AAL94119.1  Protein yicC							
					25	21	32.0310	25.6690								
FN2035	-0.320	17.851	1.616e-4	2.134e-4	418	490	418.0000	554.6109	AAL94120.1  DNA-directed RNA polymerase beta' chain							
					353	435	452.2775	531.7159								
FN2036	-0.543	17.386	4.911e-4	9.764e-4	327	469	327.0000	530.8418	AAL94121.1  DNA-directed RNA polymerase beta chain							
					280	383	358.7470	468.1545								
FN2037	2.706	21.921	2.355e-5	1.146e-5	4959	682	4959.0000	771.9278	AAL94122.1  LSU ribosomal protein L12P (L7/L12)							
					4077	645	5223.6132	788.4064								
FN2038	0.235	16.942	3.202e-2	1.552e-1	383	242	383.0000	273.9099	AAL94123.1  LSU ribosomal protein L10P							
					302	311	386.9343	380.1463								

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no	n/a	bars
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Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN2039	-0.291	16.964	2.548e-4	4.082e-4	316	349	316.0000	395.0188	AAL94124.1  LSU ribosomal protein L1P							
					258	324	330.5598	396.0367								
FN2040	0.868	14.519	2.292e-4	3.552e-4	223	114	223.0000	129.0319	AAL94125.1  LSU ribosomal protein L11P							
					149	80	190.9047	97.7868								
FN2041	-0.606	10.671	3.983e-4	7.467e-4	36	47	36.0000	53.1974	AAL94126.1  Transcription antitermination protein nusG							
					23	38	29.4685	46.4487								
FN2047	-2.902	16.351	6.366e-8	2.144e-9	91	685	91.0000	775.3234	AAL94131.1  Fusobacterium outer membrane protein family							
					94	659	120.4365	805.5191								
FN2048	0.155	15.816	2.243e-2	1.027e-1	234	198	234.0000	224.1081	AAL94132.1  Outer membrane protein							
					213	189	272.9040	231.0214								
FN2049	-0.338	16.247	1.241e-3	3.212e-3	231	270	231.0000	305.6019	AAL94133.1  unknown							
					207	263	265.2166	321.4742								
FN2050	-0.104	15.702	1.066e-1	6.041e-1	175	195	175.0000	220.7125	AAL94134.1  Hypothetical membrane-spanning protein							
					211	211	270.3415	257.9128								
FN2051	0.063	14.226	5.06e-2	2.621e-1	142	113	142.0000	127.9001	AAL94135.1  unknown							
					110	117	140.9363	143.0133								
FN2052	-0.813	14.879	2.894e-5	1.594e-5	121	210	121.0000	237.6904	AAL94136.1  unknown							
					110	182	140.9363	222.4651								
FN2053	0.822	12.787	1.662e-3	4.812e-3	98	61	98.0000	69.0434	AAL94137.1  Serine/threonine sodium symporter							
					98	47	125.5615	57.4498								
FN2054	-0.004	15.531	1.536e-1	9.185e-1	227	195	227.0000	220.7125	AAL94138.1  Glucose-6-phosphate isomerase							
					162	176	207.5608	215.1310								
FN2058	-0.596	16.919	8.122e-5	8.007e-5	269	374	269.0000	423.3152	AAL94142.1  Fusobacterium outer membrane protein family							
					237	362	303.6537	442.4855								
FN2059	0.155	15.816	2.243e-2	1.027e-1	234	198	234.0000	224.1081	AAL94143.1  Outer membrane protein							
					213	189	272.9040	231.0214								
FN2060	-0.338	16.247	1.241e-3	3.212e-3	231	270	231.0000	305.6019	AAL94144.1  unknown							
					207	263	265.2166	321.4742								
FN2061	-0.104	15.702	1.066e-1	6.041e-1	175	195	175.0000	220.7125	AAL94145.1  Hypothetical membrane-spanning protein							
					211	211	270.3415	257.9128								
FN2062	0.063	14.226	5.06e-2	2.621e-1	142	113	142.0000	127.9001	AAL94146.1  unknown							
					110	117	140.9363	143.0133								

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yes	-	p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN2063	-0.813	14.879	2.894e-5	1.594e-5	121	210	121.0000	237.6904	AAL94147.1  unknown							
					110	182	140.9363	222.4651								
FN2067	0.925	6.547	1.012e-2	4.178e-2	10	7	10.0000	7.9230	AAL94151.1  Thiol:disulfide interchange protein tlpA							
					13	5	16.6561	6.1117								
FN2068	-0.690	4.690			4	6	4.0000	6.7912	AAL94152.1  dGTP triphosphohydrolase							
						5		6.1117								
FN2069						4		4.8893	AAL94153.1  Amino acid carrier protein alsT							
FN2070	-2.188	6.188			4	16	4.0000	18.1097	AAL94154.1  Cobyric acid synthase							
						15		18.3350								
FN2073	-0.859	7.618	1.318e-3	3.504e-3	8	15	8.0000	16.9779	AAL94157.1  Adenine phosphoribosyltransferase							
					10	17	12.8124	20.7797								
FN2074					4			5.1250	AAL94158.1  BslIM							
FN2075	-0.932	10.677	8.5e-4	1.941e-3	24	48	24.0000	54.3292	AAL94159.1  Hypothetical protein							
					27	47	34.5935	57.4498								
FN2076									AAL94160.1  MunI regulatory protein							
					3		3.8437									
FN2078						4		4.5274	AAL94162.1  Transcriptional regulator, DeoR family							
FN2081						20		22.6372	AAL94165.1  ABC transporter substrate-binding protein							
						17		20.7797								
FN2082	0.006	20.575	1.619e-1	9.778e-1	1557	1045	1557.0000	1182.7926	AAL94166.1  Formate--tetrahydrofolate ligase							
					740	1073	948.1172	1311.5660								
FN2093	-0.781	10.254	4.272e-3	1.511e-2	20	41	20.0000	46.4062	AAL94177.1  General secretion pathway protein G							
					26	37	33.3122	45.2264								
FN2098					3		3.0000		AAL94182.1  MRP-family nucleotide-binding protein							
FN2100	-0.577	11.371	6.915e-6	1.863e-6	42	56	42.0000	63.3841	AAL94184.1  Hypothetical protein							
					33	51	42.2809	62.3391								
FN2102	-1.320	7.629	1.419e-3	3.898e-3	5	22	5.0000	24.9009	AAL94186.1  ABC transporter ATP-binding protein							
					10	16	12.8124	19.5574								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1297

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	yes	-

Applies To: ratios, bars; ratios, bars; p-, q-Values

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Fn Summary Table FnPg vs Fn FnSg vs Fn FnPgSg vs Fn FnPgSg vs FnPg FnSg vs FnPg FnPgSg vs FnSg Fn Coverage

Protein	FnPgSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	Fn	FnPgSg	Fn		-6	-4	-2	0	2	4	6
FN2103	-0.354	19.448	2.946e-4	4.93e-4	788	873	788.0000	988.1129	AAL94187.1  tricarboxylate-binding protein							
					553	756	708.5254	924.0856								
FN2105	0.010	7.103	1.571e-1	9.434e-1	12	12	12.0000	13.5823	AAL94189.1  tricarboxylate transport membrane protein RctA							
					9	8	11.5312	9.7787								
FN2106	-0.334	14.087	9.885e-4	2.356e-3	112	131	112.0000	148.2735	AAL94190.1  Transporter							
					96	121	122.9990	147.9026								
FN2107	-0.627	12.192	4.277e-3	1.513e-2	55	66	55.0000	74.7027	AAL94191.1  Galactokinase							
					43	78	55.0933	95.3422								
FN2108	-0.390	10.391	1.343e-2	5.75e-2	32	32	32.0000	36.2195	AAL94192.1  Galactose-1-phosphate uridylyltransferase							
					25	39	32.0310	47.6711								
FN2109	0.186	11.674	2.964e-3	9.74e-3	63	45	63.0000	50.9337	AAL94193.1  UDP-glucose 4-epimerase							
					46	46	58.9370	56.2274								
FN2116	-3.826	8.850	9.781e-5	1.053e-4	5	76	5.0000	86.0213	AAL94200.1  Hypothetical exported 24-amino acid repeat protein							
					5	62	6.4062	75.7848								
FN2117						23		26.0328	AAL94201.1  Hypothetical exported 24-amino acid repeat protein							
						12		14.6680								
FN2118	-1.537	9.837	1.799e-4	2.482e-4	15	50	15.0000	56.5929	AAL94202.1  Hypothetical exported 24-amino acid repeat protein							
					16	38	20.4998	46.4487								
FN2119	-0.938	9.237	1.852e-4	2.59e-4	15	32	15.0000	36.2195	AAL94203.1  Hypothetical exported 24-amino acid repeat protein							
					16	26	20.4998	31.7807								
FN2120						24		27.1646	AAL94204.1  Hypothetical exported 24-amino acid repeat protein							
						30		36.6701								
FN2121	-1.244	14.071	1.016e-5	3.242e-6	91	171	91.0000	193.5479	AAL94205.1  Hypothetical exported 24-amino acid repeat protein							
					62	172	79.4368	210.2417								
FN2122	-0.165	16.415	1.034e-2	4.28e-2	297	280	297.0000	316.9205	AAL94206.1  Phenylalanyl-tRNA synthetase beta chain							
					204	253	261.3728	309.2509								
FN2123	-0.650	12.469	1.363e-3	3.681e-3	60	77	60.0000	87.1531	AAL94207.1  Phenylalanyl-tRNA synthetase alpha chain							
					47	83	60.2183	101.4538								
FN2125	-1.679	13.325	1.06e-5	3.434e-6	53	154	53.0000	174.3063	AAL94209.1  DNA gyrase subunit A							
					47	154	60.2183	188.2397								
FN2126	-0.407	13.107	3.654e-4	6.646e-4	85	95	85.0000	107.5266	AAL94210.1  DNA gyrase subunit B							
					61	89	78.1556	108.7879								

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q-Value p-Value

.005

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

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Protein	<i>FnPgSg vs Fn</i>				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	<i>FnPgSg</i>	<i>Fn</i>	<i>FnPgSg</i>	<i>Fn</i>		-6	-4	-2	0	2	4	6
<b>FN2128</b>						3		3.3956	AAL94212.1  RECF protein							

- Show detected proteins only
- Show all proteins

Proteins found:  
1297

Filter by category:

GO: amino acid transport

Enter (or  
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of ORFs

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q-Value

p-Value

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.005

	Signif	Direction	Applies To
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