

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

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0001	-0.721	8.536	3.344e-3	1.286e-2	10	22	13.0162	28.4878	AAL94214.1  Chromosomal replication initiator protein dnaA							
					17	15	17.0000	20.9761								
FN0004	-1.041	11.595	1.344e-4	2.314e-4	35	66	45.5566	85.4634	AAL94217.1  Inner membrane protein							
					32	53	32.0000	74.1157								
FN0005	-1.546	10.372	4.85e-4	1.179e-3	12	41	15.6194	53.0909	AAL94218.1  Jag protein							
					27	51	27.0000	71.3189								
FN0006	0.271	9.476	6.231e-3	2.671e-2	22	17	28.6356	22.0133	AAL94219.1  Thiophene and furan oxidation protein THDF							
					30	19	30.0000	26.5698								
FN0007	-0.993	8.847	3.101e-3	1.17e-2	8	23	10.4129	29.7827	AAL94220.1  Glucose inhibited division protein A							
					20	22	20.0000	30.7650								
FN0008					6		7.8097		AAL94221.1  Quinolinate synthetase A							
					11		11.0000									
FN0009									AAL94222.1  L-aspartate oxidase							
					25		25.0000									
FN0017	-0.525	5.744	3.621e-3	1.424e-2	4	6	5.2065	7.7694	AAL94230.1  Hypothetical protein							
					7	7	7.0000	9.7889								
FN0018	-1.340	10.536	7.478e-5	1.095e-4	18	45	23.4291	58.2705	AAL94231.1  Hypothetical protein							
					25	46	25.0000	64.3268								
FN0019	0.493	4.631			6		7.8097		AAL94232.1  Transcription-repair coupling factor							
					4	3	4.0000	4.1952								
FN0021									AAL94234.1  4-diphosphocytidyl-2-C-methyl-D-erythritol kinase							
						5		6.9920								
FN0022	-2.619	9.954	5.088e-7	5.976e-8	8	59	10.4129	76.3991	AAL94235.1  Hypothetical protein							
					15	57	15.0000	79.7094								
FN0023									AAL94236.1  Short-chain fatty acids transporter							
					15		15.0000									
FN0024	-2.296	10.636				75		97.1175	AAL94237.1  Hypothetical exported 24-amino acid repeat protein							
					18	57	18.0000	79.7094								
FN0025	-2.514	8.514				36		46.6164	AAL94238.1  Hypothetical exported 24-amino acid repeat protein							
					8	32	8.0000	44.7491								
FN0026						9		11.6541	AAL94239.1  Hypothetical exported 24-amino acid repeat protein							
						21		29.3666								

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Test Cutoff

q-Value

p-Value

.005

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

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Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0029						7		9.0643	AAL94242.1  Flavodoxin							
						9		12.5857								
FN0030	0.770	12.755	3.016e-4	6.467e-4	90	53	117.1455	68.6297	AAL94243.1  5-nitroimidazole antibiotic resistance protein							
					100	42	100.0000	58.7332								
FN0031	1.640	7.650	3.089e-6	9.391e-7	20	7	26.0323	9.0643	AAL94244.1  unknown							
					24	5	24.0000	6.9920								
FN0033	-0.389	12.980	1.059e-7	6.028e-9	60	79	78.0970	102.2971	AAL94246.1  unknown							
					79	74	79.0000	103.4823								
FN0034	-0.699	9.136	2.259e-5	1.945e-5	14	24	18.2226	31.0776	AAL94247.1  unknown							
					19	21	19.0000	29.3666								
FN0039	0.521	7.561	7.269e-4	2.007e-3	13	8	16.9210	10.3592	AAL94252.1  DNA primase (bacterial type) and small primase-like proteins							
					16	9	16.0000	12.5857								
FN0040	0.442	18.592	1.777e-5	1.378e-5	549	402	714.5875	520.5499	AAL94253.1  Asparaginyl-tRNA synthetase							
					751	399	751.0000	557.9655								
FN0041						8		10.3592	AAL94254.1  unknown							
						8		11.1873								
FN0043						15		19.4235	AAL94256.1  Hypothetical exported 24-amino acid repeat protein							
						9		12.5857								
FN0045	-0.622	6.237				8		10.3592	AAL94258.1  Shikimate 5-dehydrogenase							
					7	8	7.0000	11.1873								
FN0046						5		6.4745	AAL94259.1  3-dehydroquinate dehydratase							
						3		4.1952								
FN0047	-0.690	12.656	1.944e-4	3.696e-4	48	82	62.4776	106.1818	AAL94260.1  Exodeoxyribonuclease III							
					64	70	64.0000	97.8887								
FN0048	-0.904	10.176	7.755e-4	2.196e-3	19	33	24.7307	42.7317	AAL94261.1  4-nitrophenylphosphatase							
					25	36	25.0000	50.3427								
FN0049	3.827	7.964			40		52.0647		AAL94262.1  Hypothetical protein							
					67	3	67.0000	4.1952								
FN0050	-2.906	18.386	8.682e-5	1.311e-4	151	1157	196.5441	1498.1996	AAL94263.1  Fumarate reductase flavoprotein subunit							
					231	1221	231.0000	1707.4583								
FN0052						44		56.9756	AAL94265.1  Arsenate reductase							
						37		51.7412								

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Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0054	-0.304	14.970	6.079e-6	2.647e-6	124	153	161.4005	198.1197	AAL94267.1  Tyrosyl-tRNA synthetase							
					161	143	161.0000	199.9726								
FN0058	0.314	15.791	8.433e-2	4.894e-1	116	171	150.9875	221.4279	AAL94271.1  Cysteine desulfhydrase							
					380	147	380.0000	205.5662								
FN0059	-0.273	11.390	6.53e-2	3.713e-1	24	48	31.2388	62.1552	AAL94272.1  NifU protein							
					63	37	63.0000	51.7412								
FN0060	-2.452	8.067				30		38.8470	AAL94273.1  D-alanyl-D-alanine carboxypeptidase							
					7	27	7.0000	37.7571								
FN0061	0.005	12.882	1.523e-1	9.547e-1	60	67	78.0970	86.7583	AAL94274.1  Thermostable carboxypeptidase 1							
					96	62	96.0000	86.7014								
FN0062						7		9.0643	AAL94275.1  Hypothetical cytosolic protein							
						11		15.3825								
FN0063									AAL94276.1  unknown							
					24		24.0000									
FN0065	-0.894	14.252	2.279e-4	4.492e-4	66	157	85.9067	203.2993	AAL94278.1  Transcription accessory protein (S1 RNA binding domain)							
					119	127	119.0000	177.5980								
FN0066									AAL94279.1  Two component system histidine kinase							
					5		5.0000									
FN0067	-1.276	17.068	1.701e-5	1.293e-5	180	434	234.2910	561.9867	AAL94280.1  Isoleucyl-tRNA synthetase							
					242	423	242.0000	591.5273								
FN0069	-0.019	15.094	1.435e-1	8.903e-1	161	159	209.5603	205.8891	AAL94282.1  Glycyl-tRNA synthetase alpha chain							
					162	122	162.0000	170.6060								
FN0070	0.067	18.090	2.792e-2	1.478e-1	432	390	562.2984	505.0111	AAL94283.1  Glycyl-tRNA synthetase beta chain							
					519	377	519.0000	527.2005								
FN0071	-0.296	6.671			7		9.1113		AAL94284.1  GTP cyclohydrolase I							
						8		11.1873								
FN0072	0.620	13.588	2.807e-4	5.872e-4	100	67	130.1617	86.7583	AAL94285.1  2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase							
					145	66	145.0000	92.2950								
FN0073	-0.528	10.367	2.285e-2	1.186e-1	15	35	19.5242	45.3215	AAL94286.1  Dihydropteroate synthase							
					41	30	41.0000	41.9523								
FN0074	-0.234	8.494	9.103e-2	5.322e-1	10	21	13.0162	27.1929	AAL94287.1  Ethanolamine utilization protein eutS							
					22	10	22.0000	13.9841								

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Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
<b>FN0077</b>	0.632	6.769			13	6	13.0000	8.3905	AAL94290.1  Ethanolamine two-component sensor kinase							
<b>FN0078</b>	1.437	7.574			18		23.4291		AAL94291.1  Ethanolamine utilization protein eutA							
<b>FN0079</b>	1.007	14.387	4.635e-5	5.506e-5	169	86	219.9732	111.3614	AAL94292.1  Ethanolamine ammonia-lyase heavy chain							
<b>FN0080</b>	0.180	14.085	3.374e-2	1.823e-1	118	106	153.5908	137.2594	AAL94293.1  Ethanolamine ammonia-lyase light chain							
<b>FN0081</b>	1.350	14.856	2.767e-3	1.014e-2	172	78	223.8780	101.0022	AAL94294.1  Ethanolamine utilization protein eutL							
<b>FN0082</b>	1.343	9.229			20		26.0323		AAL94295.1  Ethanolamine utilization protein eutM							
<b>FN0083</b>	0.714	15.208	2.881e-3	1.066e-2	164	132	213.4651	170.9268	AAL94296.1  Ethanolamine utilization protein eutM precursor							
<b>FN0084</b>	-0.211	10.727	3.136e-2	1.681e-1	25	36	32.5404	46.6164	AAL94297.1  Acetaldehyde dehydrogenase (acetylating)							
<b>FN0087</b>					5		5.0000		AAL94300.1  Ethanolamine utilization protein eutN							
<b>FN0088</b>	0.686	5.654			9	4	9.0000	5.5936	AAL94301.1  Hypothetical protein							
<b>FN0090</b>					7		9.1113		AAL94303.1  Ethanolamine utilization protein eutQ							
<b>FN0092</b>	0.830	11.203	1.614e-5	1.197e-5	48	26	62.4776	33.6674	AAL94305.1  NADPH-dependent butanol dehydrogenase							
<b>FN0093</b>	-1.914	15.202	4.362e-4	1.028e-3	83	323	108.0342	418.2528	AAL94306.1  Thioredoxin							
<b>FN0100</b>	-1.531	9.011	2.386e-3	8.457e-3	9	24	11.7145	31.0776	AAL94309.1  Flavodoxins/hemoproteins							
<b>FN0102</b>						12		15.5388	AAL94311.1  Ribonucleoside-diphosphate reductase alpha chain							
<b>FN0103</b>						7		9.0643	AAL94312.1  Ribonucleoside-diphosphate reductase beta chain							
						8		11.1873								

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Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0106	0.078	13.533	4.921e-2	2.742e-1	82	87	106.7326	112.6563	AAL94315.1  Hypothetical protein							
					117	71	117.0000	99.2871								
FN0108	1.487	8.008	9.4e-4	2.763e-3	19	4	24.7307	5.1796	AAL94317.1  Microcin C7 self-immunity protein mccF							
					29	10	29.0000	13.9841								
FN0110	-0.130	17.494	4.738e-3	1.946e-2	303	352	394.3898	455.8049	AAL94319.1  Seryl-tRNA synthetase							
					427	317	427.0000	443.2959								
FN0113	1.648	12.879	2.225e-5	1.905e-5	114	39	148.3843	50.5011	AAL94322.1  Heat-inducible transcription repressor hrcA							
					159	34	159.0000	47.5459								
FN0114	-0.075	14.091	1.259e-1	7.656e-1	71	109	92.4148	141.1441	AAL94323.1  GrpE protein							
					165	93	165.0000	130.0521								
FN0116	0.796	20.976	2.799e-2	1.482e-1	902	797	1174.0581	1032.0355	AAL94325.1  Chaperone protein dnaK							
					2611	821	2611.0000	1148.0944								
FN0117	1.687	7.298			10		13.0162		AAL94326.1  O6-methylguanine-DNA methyltransferase							
					32	5	32.0000	6.9920								
FN0118	-0.444	12.870	2.452e-3	8.742e-3	51	77	66.3824	99.7073	AAL94327.1  Chaperone protein dnaJ							
					82	73	82.0000	102.0839								
FN0119	2.217	9.566	7.543e-3	3.351e-2	29	10	37.7469	12.9490	AAL94328.1  Flavodoxin							
					81	9	81.0000	12.5857								
FN0123	-0.005	5.782	1.538e-1	9.655e-1	6	5	7.8097	6.4745	AAL94332.1  ATPase							
					7	6	7.0000	8.3905								
FN0127					5		6.5081		AAL94333.1  Fe-S oxidoreductase							
					7		7.0000									
FN0128	-0.987	9.255	6.848e-3	2.989e-2	7	30	9.1113	38.8470	AAL94334.1  Spermidine/putrescine-binding protein							
					26	22	26.0000	30.7650								
FN0129								3.8847	AAL94335.1  Urease accessory protein ureG							
FN0130	-0.093	8.466			8	15	10.4129	19.4235	AAL94336.1  ABC transporter ATP-binding protein							
					26		26.0000									
FN0132	-0.484	5.654						8.3905	AAL93916.1  Hemolysin							
					6	6	6.0000									
FN0147	-0.653	10.659	7.029e-4	1.917e-3	27	39	35.1436	50.5011	AAL94353.1  PLSX protein							
					29	36	29.0000	50.3427								

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	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0148	-0.203	16.184	7.082e-2	4.05e-1	248	234	322.8009	303.0067	AAL94354.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
					186	202	186.0000	282.4788								
FN0149	-1.231	15.077	7.309e-4	2.022e-3	115	252	149.6859	326.3149	AAL94355.1  Malonyl-CoA-[acyl-carrier-protein] transacylase							
					93	174	93.0000	243.3233								
FN0150	-1.071	11.516	6.755e-5	9.361e-5	32	65	41.6517	84.1685	AAL94356.1  Acyl carrier protein							
					33	52	33.0000	72.7173								
FN0151	-0.661	19.578	7.627e-3	3.394e-2	389	825	506.3288	1068.2927	AAL94357.1  3-oxoacyl-[acyl-carrier-protein] synthase							
					901	827	901.0000	1156.4848								
FN0152	0.571	5.429				4		5.1796	AAL94358.1  Ribonuclease III							
					8	4	8.0000	5.5936								
FN0153									AAL94359.1  Oxygen-independent coproporphyrinogen III oxidase							
					13		13.0000									
FN0154						7		9.0643	AAL94360.1  Ribonuclease G							
FN0155	-1.221	5.865				9		11.6541	AAL94361.1  Hypothetical protein							
					5		5.0000									
FN0156	-0.196	7.832	1.188e-1	7.161e-1	4	12	5.2065	15.5388	AAL94362.1  Phosphopantetheine adenylyltransferase							
					23	12	23.0000	16.7809								
FN0157	-0.237	6.014	1.592e-3	5.208e-3	6	7	7.8097	9.0643	AAL94363.1  DNA repair protein RadA							
					7	6	7.0000	8.3905								
FN0158	0.623	10.543	2.694e-3	9.808e-3	36	20	46.8582	25.8980	AAL94364.1  DNA-binding protein							
					49	26	49.0000	36.3587								
FN0161									AAL94367.1  RNA-directed DNA polymerase							
					3		3.0000									
FN0164	-0.239	16.573	5.724e-2	3.226e-1	278	243	361.8494	314.6608	AAL94370.1  Anhydro-N-acetylmuramyl-tripeptide amidase							
					213	260	213.0000	363.5865								
FN0170	0.706	14.509	8.89e-3	4.064e-2	179	95	232.9894	123.0155	AAL94376.1  GTP-binding protein							
					157	83	157.0000	116.0680								
FN0173	0.018	11.786	1.478e-1	9.213e-1	55	48	71.5889	62.1552	AAL94379.1  Hypothetical protein							
					48	40	48.0000	55.9364								
FN0174	-0.094	12.923	4.424e-2	2.442e-1	65	65	84.6051	84.1685	AAL94380.1  Enoyl-[acyl-carrier-protein] reductase							
					86	70	86.0000	97.8887								

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	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0175	0.907	9.357	1.103e-3	3.347e-3	27	17	35.1436	22.0133	AAL94381.1  Cell division inhibitor MinC							
					35	11	35.0000	15.3825								
FN0176	0.785	15.983	1.232e-4	2.054e-4	272	158	354.0397	204.5942	AAL94382.1  Cell division inhibitor MinD							
					314	131	314.0000	183.1917								
FN0177						10		12.9490	AAL94383.1  Cell division inhibitor MinE							
						12		16.7809								
FN0178	-1.525	11.866	9.301e-7	1.343e-7	30	78	39.0485	101.0022	AAL94384.1  UNC-44 ankyrins							
					33	76	33.0000	106.2791								
FN0179	-0.200	10.006	8.015e-2	4.63e-1	16	25	20.8259	32.3725	AAL94385.1  Ankyrin repeat proteins							
					39	26	39.0000	36.3587								
FN0180					4		5.2065		AAL94386.1  Tetratricopeptide repeat family protein							
					6		6.0000									
FN0181	0.505	9.734	1.944e-2	9.927e-2	25	13	32.5404	16.8337	AAL94387.1  Hypothetical protein							
					37	23	37.0000	32.1634								
FN0182	3.099	15.422	3.534e-7	3.74e-8	474	49	616.9663	63.4501	AAL94388.1  Sarcosine oxidase alpha subunit							
					610	57	610.0000	79.7094								
FN0183	1.523	15.550	3.969e-5	4.325e-5	274	97	356.6429	125.6053	AAL94389.1  Glycerol-3-phosphate dehydrogenase							
					386	95	386.0000	132.8489								
FN0185	0.084	8.597	1.319e-1	8.073e-1	15	9	19.5242	11.6541	AAL94391.1  Hypothetical protein							
					21	19	21.0000	26.5698								
FN0188						13		16.8337	AAL94394.1  Peptide methionine sulfoxide reductase							
FN0189					12		15.6194		AAL94395.1  Two-component response regulator yesN							
					12		12.0000									
FN0190	-0.535	6.047			5		6.5081		AAL94396.1  Two-component sensor kinase yesM							
					7	7	7.0000	9.7889								
FN0191	0.605	9.874	1.279e-2	6.207e-2	35	20	45.5566	25.8980	AAL94397.1  helix-turn-helix DNA-binding protein							
					30	17	30.0000	23.7730								
FN0192	-2.532	11.379	5.468e-5	6.886e-5	13	88	16.9210	113.9512	AAL94398.1  Dipeptide-binding protein							
					26	96	26.0000	134.2473								
FN0197	-0.162	4.806							AAL94403.1  Methyltransferase							
					5	4	5.0000	5.5936								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0198						6		7.7694	AAL94404.1  Transcriptional regulatory protein							
						4		5.5936								
FN0199	0.776	11.484	1.755e-4	3.272e-4	50	34	65.0808	44.0266	AAL94405.1  Hypothetical protein							
					75	27	75.0000	37.7571								
FN0200	-2.133	19.975	1.742e-7	1.324e-8	385	1665	501.1224	2156.0089	AAL94406.1  Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					468	1499	468.0000	2096.2162								
FN0202	-0.967	19.622	6.741e-5	9.332e-5	454	1032	590.9339	1336.3371	AAL94408.1  Glutaconate CoA-transferase subunit A							
					694	840	694.0000	1174.6642								
FN0203	-0.582	20.663	7.506e-4	2.098e-3	730	1114	950.1801	1442.5189	AAL94409.1  Glutaconate CoA-transferase subunit B							
					1156	1223	1156.0000	1710.2551								
FN0204	-0.312	21.692	7.16e-3	3.155e-2	1129	1600	1469.5251	2071.8404	AAL94410.1  Glutaconyl-CoA decarboxylase A subunit							
					1835	1452	1835.0000	2030.4909								
FN0206	-1.164	12.032	2.516e-4	5.09e-4	38	74	49.4614	95.8226	AAL94412.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					37	70	37.0000	97.8887								
FN0207	-0.565	18.986	1.392e-5	9.757e-6	444	681	577.9178	881.8271	AAL94413.1  (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit							
					607	623	607.0000	871.2093								
FN0208	-0.732	17.742	3.443e-4	7.682e-4	254	461	330.6106	596.9490	AAL94414.1  (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit							
					396	436	396.0000	609.7066								
FN0209	-0.604	17.952	5.39e-3	2.255e-2	248	486	322.8009	629.3215	AAL94415.1  Hypothetical cytosolic protein							
					494	438	494.0000	612.5035								
FN0212	-0.493	8.850	1.5e-3	4.861e-3	14	21	18.2226	27.1929	AAL94418.1  Hypothetical protein							
					18	17	18.0000	23.7730								
FN0218	-0.964	13.314	7.957e-5	1.179e-4	48	114	62.4776	147.6186	AAL94424.1  Anthranilate synthase component II							
					82	96	82.0000	134.2473								
FN0219	1.435	6.180				4		5.1796	AAL94425.1  Autolysin response regulator							
					14		14.0000									
FN0221	-0.581	10.846	2.334e-5	2.036e-5	27	40	35.1436	51.7960	AAL94427.1  Carbon starvation protein A							
					35	38	35.0000	53.1396								
FN0224	-1.410	8.676	1.294e-3	4.071e-3	6	25	7.8097	32.3725	AAL94430.1  Excinuclease ABC subunit B							
					17	24	17.0000	33.5618								
FN0225									AAL94431.1  Gluconate permease							
					3		3.0000									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0226	-1.034	11.561	2.8e-4	5.852e-4	26	61	33.8420	78.9889	AAL94432.1  Pyridoxal phosphate biosynthetic protein pdxA							
					43	56	43.0000	78.3109								
FN0227					5			5.0000	AAL94433.1  Hypothetical protein							
FN0233	-0.734	12.106	2.775e-4	5.783e-4	43	61	55.9695	78.9889	AAL94439.1  Hypothetical protein							
					47	66	47.0000	92.2950								
FN0234	-0.310	7.958	1.264e-2	6.125e-2	11	12	14.3178	15.5388	AAL94440.1  unknown							
					14	14	14.0000	19.5777								
FN0236	-1.222	14.608	2.996e-4	6.409e-4	76	172	98.9229	222.7228	AAL94442.1  ABC transporter substrate-binding protein							
					108	186	108.0000	260.1042								
FN0238	-1.033	10.270	1.535e-4	2.777e-4	17	42	22.1275	54.3858	AAL94444.1  Hypothetical protein							
					27	33	27.0000	46.1475								
FN0240	-0.797	12.601	8.865e-4	2.574e-3	55	87	71.5889	112.6563	AAL94446.1  Thymidylate synthase							
					48	68	48.0000	95.0919								
FN0241	0.394	9.714	2.811e-2	1.489e-1	28	25	36.4453	32.3725	AAL94447.1  Dihydrofolate reductase							
					30	13	30.0000	18.1793								
FN0242	0.936	13.142	2.68e-3	9.744e-3	116	50	150.9875	64.7450	AAL94448.1  Trk system potassium uptake protein trkA							
					112	52	112.0000	72.7173								
FN0243	0.487	9.651	5.927e-2	3.348e-1	17	10	22.1275	12.9490	AAL94449.1  Poly(A) polymerase							
					45	25	45.0000	34.9602								
FN0244	-1.640	7.571			6	16	7.8097	20.7184	AAL94450.1  COP associated protein							
						20		27.9682								
FN0245	-0.330	7.699	2.374e-3	8.403e-3	9	12	11.7145	15.5388	AAL94451.1  Copper-exporting ATPase							
					14	12	14.0000	16.7809								
FN0247	-0.290	15.475	6.662e-8	3.15e-9	149	183	193.9409	236.9667	AAL94453.1  Hypothetical cytosolic protein							
					192	168	192.0000	234.9328								
FN0248					28		36.4453		AAL94454.1  Hypothetical Exported Protein							
					65		65.0000									
FN0249	-1.817	14.263	4.337e-4	1.021e-3	81	210	105.4309	271.9291	AAL94455.1  unknown							
					44	182	44.0000	254.5106								
FN0250	-0.996	13.556	3.358e-3	1.293e-2	81	113	105.4309	146.3237	AAL94456.1  unknown							
					50	117	50.0000	163.6139								

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 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0251	-2.496	13.698	1.488e-4	2.659e-4	40	195	52.0647	252.5055	AAL94457.1  Hypothetical membrane-spanning Protein							
					45	211	45.0000	295.0644								
FN0252	0.575	17.548	2.44e-4	4.894e-4	430	270	559.6951	349.6231	AAL94458.1  unknown							
					509	263	509.0000	367.7818								
FN0253	0.460	16.509	4.768e-2	2.649e-1	180	198	234.2910	256.3902	AAL94459.1  Outer membrane protein							
					482	189	482.0000	264.2994								
FN0254	-1.035	19.228	3.087e-6	9.382e-7	444	851	577.9178	1101.9601	AAL94460.1  Fusobacterium outer membrane protein family							
					517	816	517.0000	1141.1023								
FN0258	-1.188	6.803				16		20.7184	AAL94464.1  Zinc-transporting ATPase							
					7	8	7.0000	11.1873								
FN0260									AAL94466.1  Transcriptional repressor smtB							
						5		6.9920								
FN0261	-1.840	8.927	1.912e-5	1.542e-5	11	31	14.3178	40.1419	AAL94467.1  Pyruvate formate-lyase activating enzyme							
					9	31	9.0000	43.3507								
FN0262	-2.335	22.689	1.237e-5	8.314e-6	878	4406	1142.8193	5705.3305	AAL94468.1  Formate acetyltransferase							
					1173	4274	1173.0000	5976.8031								
FN0263	-1.850	15.700	1.178e-5	7.68e-6	106	358	137.9714	463.5743	AAL94469.1  Peptidyl-prolyl cis-trans isomerase							
					105	295	105.0000	412.5309								
FN0264	-0.960	16.331	3.951e-3	1.586e-2	211	314	274.6411	406.5987	AAL94470.1  Hypothetical protein							
					137	282	137.0000	394.3515								
FN0265	-1.763	7.956	4.807e-4	1.165e-3	7	20	9.1113	25.8980	AAL94471.1  Cell division protein ftsX							
					8	23	8.0000	32.1634								
FN0266						14		18.1286	AAL94472.1  membrane protein related to metalloendopeptidase							
						14		19.5777								
FN0267	-0.436	6.436				7		9.0643	AAL94473.1  ATP-NAD kinase							
					8	9	8.0000	12.5857								
FN0268	0.250	8.535				10		12.9490	AAL94474.1  DNA repair protein recN							
					21	16	21.0000	22.3746								
FN0270	-1.169	5.872	7.405e-4	2.059e-3	4	8	5.2065	10.3592	AAL94476.1  GTP-binding protein era							
					5	9	5.0000	12.5857								
FN0271	0.093	6.327	1.263e-1	7.684e-1	5	8	6.5081	10.3592	AAL94477.1  Enoyl-CoA hydratase							
					12	5	12.0000	6.9920								

Show detected proteins only  
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 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0272	0.588	6.199			10		13.0162		AAL94478.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
					8	5	8.0000	6.9920								
FN0273					4		5.2065		AAL94479.1  Butyrate-acetoacetate CoA-transferase subunit B							
					11		11.0000									
FN0276	1.928	9.815			50		65.0808		AAL94482.1  Sodium-dependent phosphate transporter							
					52	11	52.0000	15.3825								
FN0277	-0.494	7.388	2.194e-2	1.134e-1	6	14	7.8097	18.1286	AAL94483.1  Hypothetical protein							
					14	9	14.0000	12.5857								
FN0278	-0.560	15.924	4.407e-5	5.09e-5	158	230	205.6554	297.8271	AAL94484.1  Xaa-His dipeptidase							
					205	220	205.0000	307.6501								
FN0279	1.561	13.927	1.692e-4	3.134e-4	175	55	227.7829	71.2195	AAL94485.1  Lipoprotein							
					201	53	201.0000	74.1157								
FN0280	-0.787	13.745	4.364e-5	5.015e-5	71	119	92.4148	154.0931	AAL94486.1  Hypothetical protein							
					86	110	86.0000	153.8251								
FN0281	0.841	13.430	6.426e-3	2.77e-2	87	64	113.2406	82.8736	AAL94487.1  DNA polymerase III alpha subunit							
					168	53	168.0000	74.1157								
FN0282	0.138	11.307	6.655e-2	3.789e-1	45	32	58.5727	41.4368	AAL94488.1  Hypothetical protein							
					47	39	47.0000	54.5380								
FN0283	-1.636	7.976							AAL94489.1  tRNA (Guanine-N1) - methyltransferase							
					9	20	9.0000	27.9682								
FN0284	1.667	9.668	1.303e-3	4.103e-3	32	15	41.6517	19.4235	AAL94490.1  16S rRNA processing protein rimM							
					60	9	60.0000	12.5857								
FN0285						4		5.1796	AAL94491.1  RNA binding protein							
FN0287	-0.460	7.032	2.728e-2	1.441e-1	5	11	6.5081	14.2439	AAL94493.1  Dimethyladenosine transferase							
					13	9	13.0000	12.5857								
FN0288	0.674	10.925	4.516e-5	5.287e-5	41	28	53.3663	36.2572	AAL94494.1  Hypoxanthine-guanine phosphoribosyltransferase							
					58	24	58.0000	33.5618								
FN0291	0.253	4.391							AAL94497.1  Hemolysin							
					5	3	5.0000	4.1952								
FN0294	-1.901	14.385	2.457e-5	2.192e-5	71	212	92.4148	274.5189	AAL94500.1  Transketolase subunit A							
					59	208	59.0000	290.8692								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN0295	-0.904	14.198	1.199e-4	1.978e-4	71	146	92.4148	189.0554	AAL94501.1  Transketolase					
					108	133	108.0000	185.9885						
FN0296	0.166	11.396	6.794e-4	1.83e-3	43	39	55.9695	50.5011	AAL94502.1  Hypothetical cytosolic protein					
					54	34	54.0000	47.5459						
FN0297	1.165	8.400	1.973e-3	6.701e-3	20	6	26.0323	7.7694	AAL94503.1  ATPase associated with chromosome architecture/replication					
					29	12	29.0000	16.7809						
FN0298	0.466	15.903	6.287e-4	1.652e-3	225	173	292.8637	224.0177	AAL94504.1  Histidyl-tRNA synthetase					
					289	141	289.0000	197.1758						
FN0299	-0.265	16.401	6.204e-4	1.623e-3	198	239	257.7201	309.4812	AAL94505.1  Aspartyl-tRNA synthetase					
					279	240	279.0000	335.6183						
FN0305									AAL94511.1  Iron(III) dicitrate-binding protein					
						3		4.1952						
FN0308	0.247	17.772	2.211e-3	7.692e-3	417	347	542.7741	449.3304	AAL94514.1  Iron(III)-binding protein					
					488	300	488.0000	419.5229						
FN0309									AAL94515.1  Iron(III)-transport system permease protein sfuB					
						8		11.1873						
FN0310	-1.748	13.044	7.401e-6	3.645e-6	44	123	57.2711	159.2727	AAL94516.1  Iron(III)-transport ATP-binding protein sfuC					
					43	127	43.0000	177.5980						
FN0311	0.278	14.409	2.202e-3	7.657e-3	132	100	171.8134	129.4900	AAL94517.1  Anaerobic ribonucleoside-triphosphate reductase					
					153	99	153.0000	138.4426						
FN0313	-0.127	9.558	1.263e-1	7.682e-1	25	13	32.5404	16.8337	AAL94519.1  16S rRNA m(5)C 967 methyltransferase					
					20	29	20.0000	40.5539						
FN0314					9		11.7145		AAL94520.1  Caffeoyl-CoA O-methyltransferase					
					9		9.0000							
FN0315					5		6.5081		AAL94521.1  Transcriptional regulator, AraC family					
					10		10.0000							
FN0316	-1.888	8.548	1.29e-3	4.053e-3	7	24	9.1113	31.0776	AAL94522.1  Hypothetical protein					
					11	31	11.0000	43.3507						
FN0317	1.397	9.164	1.666e-6	3.453e-7	29	12	37.7469	15.5388	AAL94523.1  Tryptophan synthase beta chain					
					40	10	40.0000	13.9841						
FN0319	-0.061	6.574	1.346e-1	8.262e-1	7	10	9.1113	12.9490	AAL94525.1  Citrate (pro-3S)-lyase ligase					
					10	5	10.0000	6.9920						

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios							
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6	
FN0320	-1.308	8.395	3.111e-4	6.747e-4	11	23	14.3178	29.7827													
					9	20	9.0000	27.9682													
FN0321	0.889	14.701	4.346e-3	1.766e-2	140	101	182.2263	130.7849													
					262	78	262.0000	109.0760													
FN0322	0.336	21.739	1.279e-2	6.211e-2	1816	1315	2363.7357	1702.7938													
					1839	1164	1839.0000	1627.7489													
FN0325	-4.235	8.235				58		75.1042													
					4	54	4.0000	75.5141													
FN0326						7		9.0643													
FN0327	-1.747	11.489	4.453e-4	1.056e-3	15	75	19.5242	97.1175													
					39	71	39.0000	99.2871													
FN0329	-0.950	17.849	1.405e-4	2.458e-4	243	528	316.2928	683.7073													
					383	477	383.0000	667.0414													
FN0330	-1.857	11.791	2.129e-4	4.128e-4	35	81	45.5566	104.8869													
					17	87	17.0000	121.6616													
FN0331	-0.199	12.270	2.748e-2	1.452e-1	57	58	74.1921	75.1042													
					57	54	57.0000	75.5141													
FN0332					13		16.9210														
					8		8.0000														
FN0333					5		6.5081														
					9		9.0000														
FN0334	0.615	15.196	1.787e-3	5.959e-3	168	123	218.6716	159.2727													
					261	110	261.0000	153.8251													
FN0335	0.528	21.589	2.478e-3	8.853e-3	1798	1093	2340.3066	1415.3260													
					1925	1103	1925.0000	1542.4459													
FN0336	-1.423	12.122	2.481e-4	5e-4	35	76	45.5566	98.4124													
					36	86	36.0000	120.2632													
FN0341	-2.957	9.423	2.092e-4	4.04e-4	6	62	7.8097	80.2838													
					11	47	11.0000	65.7253													
FN0342	-0.833	10.292	1.718e-2	8.673e-2	30	46	39.0485	59.5654													
					14	25	14.0000	34.9602													

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0343						4		5.1796												
FN0344	-2.069	5.239																		
FN0347	-0.674	12.887	4.826e-4	1.171e-3	49	78	63.7792	101.0022												
FN0348	-0.391	16.381	1.208e-2	5.806e-2	233	279	303.2767	361.2772												
FN0349	1.812	8.670	3.665e-3	1.446e-2	22	8	28.6356	10.3592												
FN0351	-2.482	12.351	3.184e-4	6.951e-4	27	117	35.1436	151.5033												
FN0352	-0.286	11.121	3.59e-2	1.95e-1	38	47	49.4614	60.8603												
FN0355	-0.041	15.483	1.287e-1	7.85e-1	189	170	246.0055	220.1330												
FN0356	-2.283	8.658			7	35	9.1113	45.3215												
FN0357	-0.449	7.657	4.661e-2	2.584e-1	11	17	14.3178	22.0133												
FN0358	-0.347	18.121	1.156e-2	5.518e-2	420	470	546.6790	608.6031												
FN0359	-0.269	12.511	2.135e-3	7.37e-3	57	68	74.1921	88.0532												
FN0360	0.487	14.273	2.811e-3	1.034e-2	140	95	182.2263	123.0155												
FN0361	-0.759	10.265	9.707e-3	4.517e-2	13	37	16.9210	47.9113												
FN0362	-0.065	11.135	1.364e-1	8.393e-1	29	49	37.7469	63.4501												
FN0364						3		4.1952												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0366	-0.416	15.974	6.335e-3	2.724e-2	193	228	251.2120	295.2373	AAL94569.1  Phosphoglucosamine mutase							
					188	208	188.0000	290.8692								
FN0368	-0.530	12.567	2.842e-3	1.048e-2	42	69	54.6679	89.3481	AAL94571.1  Adenylosuccinate lyase							
					75	70	75.0000	97.8887								
FN0370	-0.772	10.147	5.368e-3	2.244e-2	25	28	32.5404	36.2572	AAL94573.1  Signal peptidase I							
					19	37	19.0000	51.7412								
FN0371	-2.901	10.001			9	66	11.7145	85.4634	AAL94574.1  Hypothetical protein							
						64		89.4982								
FN0374	2.077	6.567				3		3.8847	AAL94577.1  Single-stranded-DNA-specific exonuclease recJ							
					20	4	20.0000	5.5936								
FN0375	1.101	18.363	1.719e-3	5.694e-3	740	297	963.1963	384.5854	AAL94578.1  Iron(III)-binding protein							
					738	292	738.0000	408.3356								
FN0376	1.150	13.536	3.241e-4	7.114e-4	115	59	149.6859	76.3991	AAL94579.1  Iron(III)-transport ATP-binding protein sfuC							
					175	50	175.0000	69.9205								
FN0377	-1.332	5.976							AAL94580.1  Iron(III)-transport system permease protein sfuB							
					5	9	5.0000	12.5857								
FN0378	-0.339	6.134	7.115e-2	4.071e-1	3	7	3.9048	9.0643	AAL94581.1  UDP-glucose 4-epimerase							
					11	7	11.0000	9.7889								
FN0379	-1.155	6.325				12		15.5388	AAL94582.1  Hypothetical protein							
					6	8	6.0000	11.1873								
FN0380						26		33.6674	AAL94583.1  unknown							
						17		23.7730								
FN0381						15		19.4235	AAL94584.1  unknown							
						15		20.9761								
FN0382						8		10.3592	AAL94585.1  Hypothetical protein							
						8		11.1873								
FN0383						7		9.0643	AAL94586.1  Lipopolysaccharide N-acetylglucosaminyltransferase							
						10		13.9841								
FN0384	-3.317	7.723	2.241e-4	4.398e-4	4	32	5.2065	41.4368	AAL94587.1  Hypothetical protein							
					4	36	4.0000	50.3427								
FN0386						12		15.5388	AAL94589.1  Hypothetical protein							
						11		15.3825								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1358

Enter (or paste) list of ORFs

Find ORFs

Test

q-Value

p-Value

Cutoff

.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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0387	-2.598	12.135	2.352e-4	4.672e-4	5	121	6.5081	156.6829	AAL94590.1  Fusobacterium outer membrane protein family							
					48	124	48.0000	173.4028								
FN0390	0.760	11.704	2.097e-3	7.21e-3	64	34	83.3035	44.0266	AAL94593.1  Hypothetical protein							
					67	32	67.0000	44.7491								
FN0391	0.573	9.238	6.047e-5	7.95e-5	23	16	29.9372	20.7184	AAL94594.1  Hydrolase (HAD superfamily)							
					30	14	30.0000	19.5777								
FN0392	-1.839	6.626	3.636e-5	3.78e-5	5	15	6.5081	19.4235	AAL94595.1  Oxygen-independent coproporphyrinogen III oxidase							
					4	13	4.0000	18.1793								
FN0393	1.616	8.281	3.461e-3	1.344e-2	29	8	37.7469	10.3592	AAL94596.1  Polysaccharide deacetylase							
					24	7	24.0000	9.7889								
FN0394	-0.481	6.856			7	11	9.1113	14.2439	AAL94597.1  Outer membrane protein							
						8		11.1873								
FN0396	0.640	24.426	9.475e-3	4.386e-2	5397	2994	7024.8246	3876.9313	AAL94599.1  Dipeptide-binding protein							
					4827	2667	4827.0000	3729.5587								
FN0397	-0.015	11.126	1.467e-1	9.138e-1	40	41	52.0647	53.0909	AAL94600.1  Dipeptide transport permease protein dppB							
					42	30	42.0000	41.9523								
FN0398	-0.502	12.128	1.843e-3	6.179e-3	38	56	49.4614	72.5144	AAL94601.1  Dipeptide transport system permease protein dppC							
					63	62	63.0000	86.7014								
FN0399	-0.236	15.770	3.738e-2	2.036e-1	138	178	179.6231	230.4922	AAL94602.1  Dipeptide transport ATP-binding protein dppD							
					256	202	256.0000	282.4788								
FN0400	-0.487	18.187	6.672e-4	1.787e-3	331	498	430.8351	644.8603	AAL94603.1  Dipeptide transport ATP-binding protein dppF							
					492	464	492.0000	648.8621								
FN0405	-0.293	13.086	7.528e-3	3.343e-2	58	86	75.4938	111.3614	AAL94608.1  Tryptophanyl-tRNA synthetase							
					93	68	93.0000	95.0919								
FN0406	-1.516	11.223	5.528e-4	1.399e-3	16	64	20.8259	82.8736	AAL94609.1  Alanine racemase, biosynthetic							
					37	59	37.0000	82.5062								
FN0407	-1.735	11.438	4.116e-5	4.583e-5	19	75	24.7307	97.1175	AAL94610.1  Hypothetical protein							
					33	68	33.0000	95.0919								
FN0408	-0.129	13.191	4.838e-2	2.692e-1	76	86	98.9229	111.3614	AAL94611.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta							
					86	65	86.0000	90.8966								
FN0409	-0.987	17.352	2.609e-6	6.883e-7	219	453	285.0540	586.5898	AAL94612.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha							
					296	404	296.0000	564.9575								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn												
									-6	-4	-2	0		2	4	6				
<b>FN0410</b>	-0.464	14.068	6.416e-4	1.696e-3	80	120	104.1293	155.3880												
					119	109	119.0000	152.4267												
<b>FN0411</b>	0.597	7.565			13		16.9210													
						8		11.1873												
<b>FN0412</b>																				
						10		13.9841												
<b>FN0413</b>																				
						3		3.8847												
<b>FN0414</b>																				
						4		4.0000												
<b>FN0416</b>																				
						18		23.3082												
<b>FN0417</b>																				
	-2.598	9.242				46		59.5654												
<b>FN0418</b>																				
						77		100.2245												
<b>FN0419</b>																				
						90		90.0000												
<b>FN0420</b>																				
	-0.540	6.849				6	10	7.8097	12.9490											
<b>FN0421</b>																				
						10	44	10.0000	61.5300											
<b>FN0422</b>																				
	1.325	9.226	7.44e-3	3.298e-2	38	12	49.4614	15.5388												
<b>FN0423</b>																				
						28	11	28.0000	15.3825											
<b>FN0424</b>																				
	0.333	9.614	2.941e-3	1.095e-2	26	18	33.8420	23.3082												
<b>FN0425</b>																				
						29	19	29.0000	26.5698											
<b>FN0426</b>																				
	0.151	15.001	2.346e-2	1.22e-1	158	125	205.6554	161.8625												
<b>FN0427</b>																				
						176	130	176.0000	181.7933											
<b>FN0428</b>																				
	1.262	8.485	7.005e-4	1.908e-3	22	7	28.6356	9.0643												
<b>FN0429</b>																				
						30	11	30.0000	15.3825											
<b>FN0430</b>																				
	1.988	6.847	1.193e-3	3.68e-3	19	4	24.7307	5.1796												
<b>FN0431</b>																				
						18	4	18.0000	5.5936											
<b>FN0432</b>																				
	1.669	9.837	1.307e-4	2.226e-4	46	10	59.8744	12.9490												
<b>FN0433</b>																				
						48	15	48.0000	20.9761											
<b>FN0434</b>																				
	-0.086	11.660	7.203e-2	4.125e-1	38	43	49.4614	55.6807												
<b>FN0435</b>																				
						61	44	61.0000	61.5300											

- Show detected proteins only  
 Show all proteins

Filter by category:  
 GO: amino acid transport

Proteins found:  
1358

Enter (or  
paste) list  
of ORFs

Find ORFs

Test

q-Value

p-Value

Cutoff

.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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN0430	-0.701	15.787	1.786e-4	3.339e-4	159	223	206.9570	288.7628	AAL94633.1  LSU ribosomal protein L19P					
					166	227	166.0000	317.4390						
FN0435	0.052	11.668	1.009e-1	5.961e-1	47	39	61.1760	50.5011	AAL94634.1  Purine nucleoside phosphorylase					
					55	44	55.0000	61.5300						
FN0436	1.333	11.299	1.074e-2	5.071e-2	41	24	53.3663	31.0776	AAL94635.1  regulator of kinase autophosphorylation inhibitor					
					106	23	106.0000	32.1634						
FN0437	0.806	7.847	7.057e-4	1.927e-3	17	8	22.1275	10.3592	AAL94636.1  kinase autophosphorylation inhibitor KipI					
					18	9	18.0000	12.5857						
FN0438						9		12.5857	AAL94637.1  transporter protein					
FN0439	-0.040	11.845	1.436e-1	8.912e-1	32	41	41.6517	53.0909	AAL94638.1  Lactam utilization protein LAMB					
					78	50	78.0000	69.9205						
FN0445	-0.008	5.178				5		6.4745	AAL94641.1  Hypothetical protein					
						6	4	6.0000						
FN0446	0.027	8.501	1.438e-1	8.924e-1	18	14	23.4291	18.1286	AAL94642.1  Hypothetical protein					
						15	14	15.0000						
FN0447	1.685	6.516	9.326e-4	2.737e-3	11	5	14.3178	6.4745	AAL94643.1  NIFS protein					
					20	3	20.0000	4.1952						
FN0450	-0.482	10.411	4.827e-2	2.685e-1	18	22	23.4291	28.4878	AAL94646.1  ABC transporter ATP-binding protein					
					39	42	39.0000	58.7332						
FN0451	-0.319	6.512	3.795e-2	2.069e-1	7	10	9.1113	12.9490	AAL94647.1  Hypothetical protein					
					8	6	8.0000	8.3905						
FN0452	-1.837	17.252	5.216e-6	2.031e-6	136	592	177.0199	766.5809	AAL94648.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)					
					241	520	241.0000	727.1731						
FN0453	0.296	16.195	2.768e-3	1.014e-2	219	195	285.0540	252.5055	AAL94649.1  Xaa-Pro aminopeptidase					
					322	173	322.0000	241.9249						
FN0454	1.417	14.629	1.243e-3	3.873e-3	173	77	225.1797	99.7073	AAL94650.1  Aldehyde dehydrogenase B					
					295	68	295.0000	95.0919						
FN0455	1.718	16.964	4.709e-4	1.134e-3	547	150	711.9843	194.2350	AAL94651.1  Rubrerythrin					
					585	143	585.0000	199.9726						
FN0456	-2.542	10.127	1.164e-5	7.519e-6	9	62	11.7145	80.2838	AAL94652.1  Hypothetical cytosolic protein					
					16	58	16.0000	81.1078						

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0458	0.808	5.266	1.363e-2	6.682e-2	8	4	10.4129	5.1796	AAL94654.1  Hypothetical Exported Protein							
					6	3	6.0000	4.1952								
FN0459						8		10.3592	AAL94655.1  Hypothetical exported 24-amino acid repeat protein							
						8		11.1873								
FN0460	-2.267	9.924	2.218e-5	1.897e-5	8	57	10.4129	73.8093	AAL94656.1  Delta-aminolevulinic acid dehydratase							
					18	45	18.0000	62.9284								
FN0461	-0.447	16.045	3.707e-5	3.893e-5	177	227	230.3861	293.9424	AAL94657.1  Probable sigma(54) modulation protein							
					215	224	215.0000	313.2438								
FN0462	1.070	12.379	5.154e-3	2.142e-2	98	40	127.5584	51.7960	AAL94658.1  DNA mismatch repair protein mutL							
					84	35	84.0000	48.9443								
FN0465	-0.612	15.596	3.061e-3	1.151e-2	166	195	216.0683	252.5055	AAL94661.1  Hypothetical protein							
					144	213	144.0000	297.8613								
FN0466	0.347	17.710	9.443e-3	4.369e-2	446	323	580.5210	418.2528	AAL94662.1  Lysyl-tRNA synthetase							
					464	288	464.0000	402.7420								
FN0469									AAL94665.1  Copper homeostasis protein cutC							
					4		4.0000									
FN0470	-0.411	18.091	3.507e-3	1.366e-2	310	430	403.5011	556.8071	AAL94666.1  Putative efflux pump component MtrF							
					513	473	513.0000	661.4478								
FN0472	1.030	23.996	1.242e-7	7.722e-9	4554	2271	5927.5618	2940.7185	AAL94668.1  Flavodoxin							
					5764	1990	5764.0000	2782.8353								
FN0474	-0.688	5.449			4		5.2065		AAL94670.1  Acriflavin resistance protein B							
						6	8.3905									
FN0475	-1.090	11.110	3.04e-4	6.535e-4	28	53	36.4453	68.6297	AAL94671.1  MIAB protein							
					28	49	28.0000	68.5221								
FN0476	0.309	12.427	8.648e-3	3.932e-2	57	49	74.1921	63.4501	AAL94672.1  Transcription termination factor rho							
					91	50	91.0000	69.9205								
FN0477	-1.264	11.449	3.036e-6	9.079e-7	24	65	31.2388	84.1685	AAL94673.1  Cell wall endopeptidase family M23/M37							
					37	57	37.0000	79.7094								
FN0478	1.215	8.853	5.409e-8	1.765e-9	25	11	32.5404	14.2439	AAL94674.1  GcpE protein							
					33	10	33.0000	13.9841								
FN0479					9		11.7145		AAL94675.1  RNA polymerase sigma-E factor							
					25		25.0000									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0480					4		4.0000		AAL94676.1  unknown							
FN0481	-1.008	7.489	1.335e-2	6.525e-2	3	11	3.9048	14.2439	AAL94677.1  unknown							
FN0482						44		56.9756	AAL94678.1  LSU ribosomal protein L31P							
FN0483	-1.286	13.140	8.803e-6	4.795e-6	52	120	67.6841	155.3880	AAL94679.1  Uracil phosphoribosyltransferase							
FN0484	-0.185	6.561			7	8	9.1113	10.3592	AAL94680.1  Lipase							
FN0487	-0.012	20.576	1.472e-1	9.17e-1	1078	933	1403.1427	1208.1419	AAL94683.1  2-hydroxyglutarate dehydrogenase							
FN0488	0.468	23.904	5.984e-3	2.547e-2	4005	2530	5212.9743	3276.0976	AAL94684.1  NAD-specific glutamate dehydrogenase							
FN0489	-1.567	7.907				25		32.3725	AAL94685.1  Prolipoprotein diacylglycerol transferase							
FN0490									AAL94686.1  Integral membrane protein							
FN0491	1.725	13.527	1.111e-3	3.377e-3	123	61	160.0988	78.9889	AAL94687.1  Alanine racemase							
FN0493	-0.771	8.440	8.499e-3	3.853e-2	15	16	19.5242	20.7184	AAL94689.1  Hypothetical protein							
FN0494	-2.331	16.329	9.05e-6	5.001e-6	69	464	89.8115	600.8337	AAL94690.1  Short chain dehydrogenase							
FN0495	0.783	25.644	2.586e-6	6.78e-7	7402	4420	9634.5658	5723.4591	AAL94691.1  Acetyl-CoA acetyltransferase							
FN0496									AAL94692.1  unknown							
FN0501	1.084	17.363	2.303e-4	4.551e-4	420	199	546.6790	257.6851	AAL94697.1  Ornithine decarboxylase							
FN0502	1.003	8.044				8		10.3592	AAL94698.1  Phosphoheptose isomerase							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0503	-0.224	11.590	8.655e-3	3.936e-2	39	43	50.7630	55.6807	AAL94699.1  Transcriptional regulatory protein, LYSR family							
					52	46	52.0000	64.3268								
FN0505	-0.293	10.222	3.952e-2	2.162e-1	18	31	23.4291	40.1419	AAL94701.1  Anthranilate synthase component II							
					39	26	39.0000	36.3587								
FN0506	-1.284	14.532	3.941e-5	4.277e-5	67	182	87.2083	235.6718	AAL94702.1  Arginyl-tRNA synthetase							
					110	175	110.0000	244.7217								
FN0511	0.593	11.550	2.722e-3	9.935e-3	58	30	75.4938	38.8470	AAL94707.1  D-lactate dehydrogenase							
					59	36	59.0000	50.3427								
FN0512	0.226	15.475	1.275e-3	3.995e-3	171	145	222.5764	187.7605	AAL94708.1  Flavoprotein							
					239	148	239.0000	206.9646								
FN0513	-1.158	9.508	5.895e-4	1.519e-3	17	32	22.1275	41.4368	AAL94709.1  Flavodoxin							
					14	28	14.0000	39.1555								
FN0515	0.321	5.532	6.431e-2	3.652e-1	4	4	5.2065	5.1796	AAL94711.1  Acriflavin resistance protein D							
					10	5	10.0000	6.9920								
FN0517					10		13.0162		AAL94713.1  Outer membrane protein tolC							
					8		8.0000									
FN0519	-0.386	6.680	6.403e-2	3.635e-1	9	6	11.7145	7.7694	AAL94715.1  Hypothetical exported 24-amino acid repeat protein							
					6	11	6.0000	15.3825								
FN0522	1.464	6.626	2.139e-3	7.388e-3	10	6	13.0162	7.7694	AAL94718.1  Exonuclease SBCC							
					20	3	20.0000	4.1952								
FN0523	-1.612	7.522	1.603e-3	5.249e-3	5	15	6.5081	19.4235	AAL94719.1  Exonuclease SBCD							
					9	20	9.0000	27.9682								
FN0524					5		6.5081		AAL94720.1  DNA helicase II							
					12		12.0000									
FN0525	-0.149	15.969	6.84e-2	3.902e-1	219	196	285.0540	253.8004	AAL94721.1  Penicillin-binding protein							
					196	200	196.0000	279.6819								
FN0526	0.275	11.555	8.998e-3	4.123e-2	42	36	54.6679	46.6164	AAL94722.1  Florfenicol resistance protein							
					66	38	66.0000	53.1396								
FN0527	1.118	10.139	1.279e-3	4.01e-3	33	19	42.9533	24.6031	AAL94723.1  Alanyl-tRNA synthetase							
					56	15	56.0000	20.9761								
FN0528	-5.943	15.825	2.971e-6	8.705e-7	28	1436	36.4453	1859.4768	AAL94724.1  Cold shock protein							
					25	1373	25.0000	1920.0165								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0535	-0.144	10.016	6.605e-2	3.758e-1	24	22	31.2388	28.4878	AAL94731.1  Hypothetical protein							
					30	28	30.0000	39.1555								
FN0536	-0.290	15.482	2.938e-3	1.093e-2	159	184	206.9570	238.2616	AAL94732.1  DNA polymerase III, beta chain							
					180	168	180.0000	234.9328								
FN0540	-0.525	11.624	7.07e-4	1.932e-3	32	49	41.6517	63.4501	AAL94736.1  Glutamate-1-semialdehyde 2,1-aminomutase							
					52	51	52.0000	71.3189								
FN0541	-0.612	7.079	5.117e-2	2.862e-1	6	6	7.8097	7.7694	AAL94737.1  polysaccharide deacetylase							
					11	15	11.0000	20.9761								
FN0542	1.042	9.148	2.806e-3	1.032e-2	31	17	40.3501	22.0133	AAL94738.1  Beta 1,4 glucosyltransferase							
					28	8	28.0000	11.1873								
FN0543	-1.605	9.994	5.674e-6	2.34e-6	12	45	15.6194	58.2705	AAL94739.1  Lipopolysaccharide heptosyltransferase-1							
					21	38	21.0000	53.1396								
FN0546						6		7.7694	AAL94742.1  Lipopolysaccharide core biosynthesis protein rfaQ							
FN0547	-0.434	17.816	9.961e-5	1.555e-4	304	425	395.6914	550.3326	AAL94743.1  RecA protein							
					431	405	431.0000	566.3559								
FN0549	1.632	5.769							AAL94745.1  O-sialoglycoprotein endopeptidase							
					13	3	13.0000	4.1952								
FN0550					12		15.6194		AAL94746.1  hypothetical Protein							
					10		10.0000									
FN0552	0.596	8.994	2.955e-2	1.574e-1	15	10	19.5242	12.9490	AAL94748.1  Serine racemase							
					36	17	36.0000	23.7730								
FN0553	1.235	14.471	3.442e-3	1.334e-2	144	75	187.4328	97.1175	AAL94749.1  D-serine dehydratase							
					275	71	275.0000	99.2871								
FN0554	1.980	6.947			17		22.1275		AAL94750.1  D-serine permease							
					22	4	22.0000	5.5936								
FN0555					6		7.8097		AAL94751.1  Transcriptional regulator, MerR family							
FN0556	-0.711	11.901	3.251e-4	7.142e-4	42	65	54.6679	84.1685	AAL94752.1  unknown							
					42	53	42.0000	74.1157								
FN0557	2.218	13.666	4.033e-3	1.624e-2	242	46	314.9912	59.5654	AAL94753.1  unknown							
					177	33	177.0000	46.1475								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn								
										-6	-4	-2	0	2	4	6
FN0558	0.685	12.886	1.435e-2	7.097e-2	105	52	136.6697	67.3348	AAL94754.1  TraT complement resistance protein precursor							
					84	50	84.0000	69.9205								
FN0559	0.719	14.477	4.336e-6	1.524e-6	151	90	196.5441	116.5410	AAL94755.1  Phosphoglucomutase							
					191	85	191.0000	118.8648								
FN0560					6		6.0000		AAL94756.1  Oxygen-independent coproporphyrinogen III oxidase							
FN0561	-0.899	10.531	3.948e-5	4.288e-5	21	39	27.3339	50.5011	AAL94757.1  Proline synthetase associated protein							
					29	39	29.0000	54.5380								
FN0562	-0.432	13.848	6.443e-3	2.779e-2	93	98	121.0503	126.9002	AAL94758.1  Hypothetical cytosolic protein							
					88	111	88.0000	155.2235								
FN0563	-1.280	8.291	6.724e-8	3.251e-9	9	21	11.7145	27.1929	AAL94759.1  putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					11	20	11.0000	27.9682								
FN0574						3		3.8847	AAL94770.1  Hypothetical cytosolic protein							
FN0576	0.165	12.661	8.411e-2	4.88e-1	81	58	105.4309	75.1042	AAL94772.1  hypothetical protein							
					65	55	65.0000	76.9125								
FN0577	1.419	6.387			13		16.9210		AAL94773.1  Hypothetical protein							
					13	4	13.0000	5.5936								
FN0579	0.552	18.117	1.224e-2	5.897e-2	588	341	765.3505	441.5610	AAL94775.1  Hypothetical cytosolic protein							
					526	314	526.0000	439.1006								
FN0580	-1.525	8.325	2.408e-4	4.815e-4	7	21	9.1113	27.1929	AAL94776.1  Penicillin-binding protein							
					12	24	12.0000	33.5618								
FN0581	-0.356	8.287			12	19	15.6194	24.6031	AAL94777.1  Lipoprotein releasing system transmembrane protein lolE							
						11		15.3825								
FN0582	-0.387	11.018	1.503e-2	7.478e-2	32	34	41.6517	44.0266	AAL94778.1  Lipoprotein releasing system ATP-binding protein lolD							
					38	43	38.0000	60.1316								
FN0583	0.411	6.772			7	7	9.1113	9.0643	AAL94779.1  Hypothetical Exported Protein							
					15		15.0000									
FN0585	0.034	6.524	1.367e-1	8.413e-1	8	6	10.4129	7.7694	AAL94781.1  Two-component response regulator czcR							
					9	8	9.0000	11.1873								
FN0586	0.459	6.286	5.033e-2	2.811e-1	9	3	11.7145	3.8847	AAL94782.1  Two-component sensor kinase czcS							
					9	8	9.0000	11.1873								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found: 1358

Enter (or paste) list of ORFs

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

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0590	1.373	9.254	1.808e-3	6.042e-3	25	14	32.5404	18.1286	AAL94786.1  N-acyl-L-amino acid amidohydrolase							
					47	9	47.0000	12.5857								
FN0592	-0.258	13.368	5.754e-2	3.244e-1	93	84	121.0503	108.7716	AAL94788.1  ATP-dependent DNA helicase pcrA							
					67	83	67.0000	116.0680								
FN0593	-0.312	10.969	3.579e-3	1.403e-2	31	36	40.3501	46.6164	AAL94789.1  UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase							
					40	38	40.0000	53.1396								
FN0594	3.705	10.066			91	7	118.4471	9.0643	AAL94790.1  (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase							
					118		118.0000									
FN0595	-0.840	8.012	5.036e-5	6.152e-5	10	17	13.0162	22.0133	AAL94791.1  Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase							
					11	15	11.0000	20.9761								
FN0596	-0.667	9.548	3.358e-3	1.293e-2	18	23	23.4291	29.7827	AAL94792.1  Hypothetical protein							
					20	28	20.0000	39.1555								
FN0597	-0.322	10.315	2.133e-2	1.099e-1	26	26	33.8420	33.6674	AAL94793.1  Lipid-A-disaccharide synthase							
					30	33	30.0000	46.1475								
FN0598	-0.762	9.422	2.596e-3	9.369e-3	14	30	18.2226	38.8470	AAL94794.1  Phospholipid-lipopolysaccharide ABC transporter							
					22	21	22.0000	29.3666								
FN0600	-0.004	12.761	1.483e-1	9.256e-1	61	63	79.3986	81.5787	AAL94796.1  Hypothetical protein							
					87	61	87.0000	85.3030								
FN0601						31		40.1419	AAL94797.1  Hypothetical exported 24-amino acid repeat protein							
						27		37.7571								
FN0602	-1.050	13.985	1.203e-5	7.965e-6	63	148	82.0018	191.6452	AAL94798.1  Hypothetical protein							
					95	125	95.0000	174.8012								
FN0603	1.234	6.202			11		14.3178		AAL94799.1  Transcriptional regulatory protein, LYSR family							
					12	4	12.0000	5.5936								
FN0608	1.631	12.861	3.087e-8	6.398e-10	118	39	153.5908	50.5011	AAL94804.1  Exoribonuclease II							
					150	34	150.0000	47.5459								
FN0609									AAL94805.1  Small protein B							
					11		11.0000									
FN0610	-0.706	15.862	7.534e-6	3.747e-6	153	248	199.1473	321.1353	AAL94806.1  unknown							
					183	216	183.0000	302.0565								
FN0611	0.328	19.160	3.215e-3	1.223e-2	612	541	796.5893	700.5410	AAL94807.1  Threonyl-tRNA synthetase							
					918	476	918.0000	665.6430								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0612	-1.557	13.116	7.648e-4	2.154e-3	36	107	46.8582	138.5543	AAL94808.1  Hypothetical protein							
					63	132	63.0000	184.5901								
FN0614									AAL94810.1  Export ABC transporter							
					3		3.0000									
FN0616									AAL94812.1  Hypothetical protein							
						53		68.6297								
FN0617	-1.376	14.679	5.643e-6	2.319e-6	73	200	95.0180	258.9800	AAL94813.1  DNA polymerase III, beta chain							
					106	188	106.0000	262.9010								
FN0618	-0.791	13.948	2.997e-3	1.121e-2	90	128	117.1455	165.7472	AAL94814.1  Spermidine/putrescine-binding protein							
					74	118	74.0000	165.0123								
FN0619	-1.120	8.589	4.304e-4	1.011e-3	12	22	15.6194	28.4878	AAL94815.1  Small-conductance mechanosensitive channel							
					11	21	11.0000	29.3666								
FN0621	-0.505	11.363	2.115e-3	7.286e-3	37	48	48.1598	62.1552	AAL94817.1  4-hydroxybutyrate coenzyme A transferase							
					38	43	38.0000	60.1316								
FN0622	3.782	9.284	1.265e-3	3.955e-3	57	5	74.1921	6.4745	AAL94818.1  8-oxoguanine DNA glycosylase							
					111	5	111.0000	6.9920								
FN0625	-0.989	8.803				19		24.6031	AAL94821.1  Aspartate aminotransferase							
					15	25	15.0000	34.9602								
FN0626									AAL94822.1  Hypothetical cytosolic protein							
					12		12.0000									
FN0627	-0.867	14.665	2.127e-4	4.124e-4	95	158	123.6536	204.5942	AAL94823.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					115	165	115.0000	230.7376								
FN0628	-0.018	5.529	1.536e-1	9.644e-1	5	3	6.5081	3.8847	AAL94824.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					7	7	7.0000	9.7889								
FN0629	0.344	9.031	4.925e-2	2.745e-1	25	13	32.5404	16.8337	AAL94825.1  PTS system, IID component							
					19	17	19.0000	23.7730								
FN0630									AAL94826.1  PTS system, IIC component							
						11		15.3825								
FN0631	-0.404	8.623	5.102e-3	2.117e-2	15	18	19.5242	23.3082	AAL94827.1  PTS system, IIB component							
					15	16	15.0000	22.3746								
FN0633	0.057	6.916	7.709e-2	4.439e-1	8	8	10.4129	10.3592	AAL94829.1  Replication protein							
					12	8	12.0000	11.1873								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0634	-2.139	12.536	1.339e-4	2.301e-4	28	117	36.4453	151.5033	AAL94830.1  GTP-binding protein TypA/BipA							
					37	123	37.0000	172.0044								
FN0636						6		7.7694	AAL94832.1  Hypothetical protein							
FN0637						6		7.7694	AAL94833.1  Hypothetical exported 24-amino acid repeat protein							
FN0643	0.129	8.587	1.19e-1	7.175e-1	10	16	13.0162	20.7184	AAL94839.1  hypothetical DNA-binding protein							
					28	12	28.0000	16.7809								
FN0644	-0.635	10.907	3.776e-3	1.502e-2	21	39	27.3339	50.5011	AAL94840.1  Uroporphyrin-III C-methyltransferase							
					43	42	43.0000	58.7332								
FN0645	-0.851	6.021				7		9.0643	AAL94841.1  Porphobilinogen deaminase							
					6	9	6.0000	12.5857								
FN0646									AAL94842.1  Glutamyl-tRNA reductase							
					3		3.0000									
FN0651									AAL94847.1  Ribosomal large subunit pseudouridine synthase D							
					6		6.0000									
FN0652	1.685	24.463	5.153e-4	1.277e-3	5960	2050	7757.6347	2654.5455	AAL94848.1  Glyceraldehyde 3-phosphate dehydrogenase							
					9493	1937	9493.0000	2708.7196								
FN0653	0.939	12.582	4.025e-3	1.62e-2	69	42	89.8115	54.3858	AAL94849.1  unknown							
					127	42	127.0000	58.7332								
FN0654	0.924	19.929	7.066e-4	1.93e-3	1156	532	1504.6687	688.8869	AAL94850.1  Phosphoglycerate kinase							
					1248	545	1248.0000	762.1333								
FN0655	-2.362	10.514	8.012e-4	2.282e-3	19	54	24.7307	69.9246	AAL94851.1  unknown							
					9	74	9.0000	103.4823								
FN0656						64		82.8736	AAL94852.1  Hypothetical protein							
FN0657	2.260	9.346			42	9	54.6679	11.6541	AAL94853.1  Acetyltransferase							
					57		57.0000									
FN0658	-1.617	13.256	5.919e-5	7.705e-5	43	139	55.9695	179.9911	AAL94854.1  ABC transporter substrate-binding protein							
					57	119	57.0000	166.4108								
FN0660	-0.733	6.770	1.002e-2	4.685e-2	4	10	5.2065	12.9490	AAL94856.1  ABC transporter ATP-binding protein							
					11	10	11.0000	13.9841								

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Proteins found: 1358

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0662	0.581	11.423	6.587e-4	1.756e-3	47	37	61.1760	47.9113	AAL94858.1  Formiminoglutamase							
					67	27	67.0000	37.7571								
FN0664	-0.313	14.662	9.048e-2	5.286e-1	46	126	59.8744	163.1574	AAL94860.1  2-nitropropane dioxygenase							
					229	140	229.0000	195.7774								
FN0666	-1.071	6.290	1.61e-4	2.956e-4	4	9	5.2065	11.6541	AAL94862.1  Hypothetical protein							
					7	10	7.0000	13.9841								
FN0668	-0.869	9.550	1.004e-6	1.511e-7	15	28	19.5242	36.2572	AAL94864.1  High-affinity zinc uptake system protein znuA precursor							
					21	27	21.0000	37.7571								
FN0672					17		22.1275		AAL94868.1  ATPase							
					11		11.0000									
FN0675	1.552	22.124	6.365e-3	2.739e-2	2016	936	2624.0590	1212.0266	AAL94871.1  60 kDa chaperonin GROEL							
					4698	919	4698.0000	1285.1385								
FN0676	-2.415	13.229	3.02e-4	6.479e-4	36	193	46.8582	249.9157	AAL94872.1  10 kDa chaperonin GROES							
					38	145	38.0000	202.7694								
FN0677	-0.420	12.645	9.004e-4	2.623e-3	51	76	66.3824	98.4124	AAL94873.1  Hypothetical protein							
					72	62	72.0000	86.7014								
FN0678	-0.741	12.419	6.85e-5	9.561e-5	48	70	62.4776	90.6430	AAL94874.1  Ser/Thr protein kinase							
					52	72	52.0000	100.6855								
FN0679	-1.004	7.344				16		20.7184	AAL94875.1  GTPase							
							9	11		9.0000	15.3825					
FN0680									AAL94876.1  Ribulose-phosphate 3-epimerase							
					13		13.0000									
FN0681	-0.045	16.507	1.015e-1	6.006e-1	212	227	275.9427	293.9424	AAL94877.1  Transcriptional regulator, MarR family							
					325	233	325.0000	325.8295								
FN0682	0.352	9.756	1.795e-2	9.098e-2	28	24	36.4453	31.0776	AAL94878.1  Fibronectin-binding protein-like protein A							
					30	15	30.0000	20.9761								
FN0684					16		20.8259		AAL94880.1  Prismane protein							
					8		8.0000									
FN0685	1.229	11.493	8.405e-3	3.802e-2	81	25	105.4309	32.3725	AAL94881.1  Sodium/pantothenate symporter							
					59	27	59.0000	37.7571								
FN0688	0.481	11.908	1.35e-4	2.328e-4	58	40	75.4938	51.7960	AAL94884.1  Hypothetical protein							
					71	38	71.0000	53.1396								

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Proteins found:  
1358

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Test

q-Value

p-Value

Cutoff

.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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN0689	-0.705	15.913	7.982e-3	3.579e-2	196	234	255.1168	303.0067	AAL94885.1  Hypothetical protein					
					134	237	134.0000	331.4231						
FN0692	-1.624	7.070	3.245e-3	1.238e-2	4	12	5.2065	15.5388	AAL94888.1  Nitrogen regulation protein NIFR3					
					8	18	8.0000	25.1714						
FN0693						21		27.1929	AAL94889.1  DNA mismatch repair protein mutS					
						32		44.7491						
FN0694	-0.540	12.624	2.427e-3	8.634e-3	49	67	63.7792	86.7583	AAL94890.1  S-layer protein					
					68	75	68.0000	104.8807						
FN0695	0.494	10.669	8.939e-3	4.09e-2	39	32	50.7630	41.4368	AAL94891.1  ABC transporter ATP-binding protein					
					45	19	45.0000	26.5698						
FN0697	-0.654	15.441	2.525e-4	5.114e-4	117	210	152.2891	271.9291	AAL94893.1  Alanyl-tRNA synthetase					
					184	184	184.0000	257.3074						
FN0699	-2.538	11.782	4.124e-5	4.597e-5	24	101	31.2388	130.7849	AAL94895.1  Protein translocase subunit secD					
					18	111	18.0000	155.2235						
FN0700	-3.208	9.117	4.85e-4	1.179e-3	5	48	6.5081	62.1552	AAL94896.1  Protein translocase subunit secF					
					9	58	9.0000	81.1078						
FN0701	-0.888	14.791	1.253e-5	8.483e-6	88	182	114.5423	235.6718	AAL94897.1  Methyltransferase					
					133	159	133.0000	222.3471						
FN0705	-0.554	13.935	1.123e-4	1.815e-4	75	123	97.6212	159.2727	AAL94901.1  DNA polymerase I					
					109	103	109.0000	144.0362						
FN0706	-1.443	5.443				6		7.7694	AAL94902.1  Hypothetical cytosolic protein					
					4	10	4.0000	13.9841						
FN0707	-1.677	7.767	9.49e-4	2.796e-3	5	17	6.5081	22.0133	AAL94903.1  Riboflavin kinase					
					10	22	10.0000	30.7650						
FN0710	-0.551	11.934	2.344e-3	8.271e-3	41	64	53.3663	82.8736	AAL94906.1  Hypothetical protein					
					50	49	50.0000	68.5221						
FN0711	1.073	8.284	1.013e-2	4.741e-2	14	8	18.2226	10.3592	AAL94907.1  Phosphopantothenate--cysteine ligase					
					33	10	33.0000	13.9841						
FN0714					8		10.4129		AAL94910.1  NADH oxidase					
					16		16.0000							
FN0715	0.029	14.392	9.823e-2	5.789e-1	120	113	156.1940	146.3237	AAL94911.1  Hypothetical protein					
					140	103	140.0000	144.0362						

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 Filter by category:  
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Proteins found:  
 1358

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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	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0716	-0.235	12.221	2.347e-2	1.221e-1	51	65	66.3824	84.1685	AAL94912.1  hypothetical protein							
					61	47	61.0000	65.7253								
FN0717	-0.747	5.391							AAL94913.1  Ribosomal small subunit pseudouridine synthase A							
					5	6	5.0000	8.3905								
FN0719									AAL94915.1  Hypothetical cytosolic protein							
						9		11.6541								
FN0720	-1.166	13.952	2.368e-3	8.377e-3	40	139	52.0647	179.9911	AAL94916.1  Protein Translation Elongation Factor P (EF-P)							
					116	141	116.0000	197.1758								
FN0721	-1.317	11.714	9.684e-7	1.428e-7	28	70	36.4453	90.6430	AAL94917.1  Hypothetical protein							
					37	66	37.0000	92.2950								
FN0722	-0.475	7.658	1.291e-2	6.278e-2	7	14	9.1113	18.1286	AAL94918.1  WD-repeat family protein							
					15	11	15.0000	15.3825								
FN0723									AAL94919.1  Hypothetical protein							
					5		5.0000									
FN0724	0.725	11.343	9.616e-3	4.466e-2	40	31	52.0647	40.1419	AAL94920.1  Flavodoxin							
					79	28	79.0000	39.1555								
FN0725	1.581	8.595	3.629e-3	1.428e-2	20	10	26.0323	12.9490	AAL94921.1  Molybdopterin biosynthesis MoeB protein							
					42	7	42.0000	9.7889								
FN0728	0.434	10.640	5.332e-4	1.337e-3	36	25	46.8582	32.3725	AAL94924.1  Hypothetical protein							
					46	26	46.0000	36.3587								
FN0729	-1.268	14.581	6.792e-5	9.439e-5	92	197	119.7487	255.0953	AAL94925.1  Phosphoglycerate mutase							
					82	165	82.0000	230.7376								
FN0731	-0.446	8.740	2.745e-2	1.451e-1	18	20	23.4291	25.8980	AAL94927.1  Hypothetical protein							
					12	16	12.0000	22.3746								
FN0733	-1.280	12.632	1.505e-5	1.085e-5	34	100	44.2550	129.4900	AAL94929.1  Peptidase T							
					58	85	58.0000	118.8648								
FN0734	-1.617	5.582	5.426e-5	6.813e-5	3	9	3.9048	11.6541	AAL94930.1  Fe-S oxidoreductase							
					4	9	4.0000	12.5857								
FN0735	-1.818	12.063	7.361e-6	3.616e-6	32	99	41.6517	128.1951	AAL94931.1  Cell surface protein							
					28	84	28.0000	117.4664								
FN0736					16		20.8259		AAL94932.1  Methyltransferase							
					17		17.0000									

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Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0738	-0.943	11.505	2.79e-3	1.024e-2	39	55	50.7630	71.2195	AAL94934.1  Hypothetical exported 24-amino acid repeat protein							
					27	56	27.0000	78.3109								
FN0739	-0.733	15.416	5.84e-4	1.501e-3	144	196	187.4328	253.8004	AAL94935.1  Formiminotetrahydrofolate cyclodeaminase							
					137	204	137.0000	285.2756								
FN0740	0.434	18.450	1.528e-2	7.616e-2	625	401	813.5104	519.2550	AAL94936.1  Imidazolonepropionase							
					578	365	578.0000	510.4195								
FN0741	-0.038	18.686	1.211e-1	7.32e-1	551	525	717.1907	679.8226	AAL94937.1  Glutamate formiminotransferase							
					565	455	565.0000	636.2764								
FN0742	-0.576	12.074	7.048e-3	3.095e-2	35	72	45.5566	93.2328	AAL94938.1  unknown							
					62	48	62.0000	67.1237								
FN0743	-1.291	5.907	1.824e-4	3.424e-4	3	9	3.9048	11.6541	AAL94939.1  ATP-dependent helicase, DinG family							
					6	9	6.0000	12.5857								
FN0745	-0.104	15.243	1.099e-1	6.559e-1	179	135	232.9894	174.8115	AAL94941.1  metal dependent phosphohydrolase							
					147	167	147.0000	233.5344								
FN0746	0.239	7.325			5	9	6.5081	11.6541	AAL94942.1  Hypothetical Metal-Binding Protein							
					21		21.0000									
FN0749						10		12.9490	AAL94945.1  Hypothetical protein							
						6		8.3905								
FN0750	0.682	11.143	3.125e-5	3.036e-5	48	31	62.4776	40.1419	AAL94946.1  Hypothetical protein							
					58	25	58.0000	34.9602								
FN0751	0.312	9.598	2.544e-2	1.334e-1	20	17	26.0323	22.0133	AAL94947.1  L-asparaginase I							
					36	20	36.0000	27.9682								
FN0752	0.104	8.868	3.433e-2	1.859e-1	16	16	20.8259	20.7184	AAL94948.1  Proline iminopeptidase							
					24	15	24.0000	20.9761								
FN0753	-0.116	12.044	8.057e-2	4.656e-1	46	44	59.8744	56.9756	AAL94949.1  Glutamyl-tRNA(Gln) amidotransferase subunit B							
					65	56	65.0000	78.3109								
FN0754	-0.420	13.694	9.565e-3	4.437e-2	63	102	82.0018	132.0798	AAL94950.1  Glutamyl-tRNA(Gln) amidotransferase subunit A							
					117	96	117.0000	134.2473								
FN0755	-1.054	11.105	7.568e-4	2.122e-3	27	58	35.1436	75.1042	AAL94951.1  Glutamyl-tRNA(Gln) amidotransferase subunit C							
					30	43	30.0000	60.1316								
FN0758	-0.123	15.712	8.126e-2	4.7e-1	202	179	262.9265	231.7871	AAL94954.1  Rod shape-determining protein mreB							
					181	180	181.0000	251.7137								

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1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0761	0.070	8.459	1.305e-1	7.978e-1	18	11	23.4291	14.2439	AAL94957.1  Bvg accessory factor							
					15	16	15.0000	22.3746								
FN0765	-2.020	5.190				8		10.3592	AAL94961.1  tRNA (5-methylaminomethyl-2-thiouridylate) -methyltransferase							
					3	10	3.0000	13.9841								
FN0766						15		19.4235	AAL94962.1  Large-conductance mechanosensitive channel							
						16		22.3746								
FN0768						10		12.9490	AAL94964.1  Hemin receptor							
						8		11.1873								
FN0771	-1.844	6.738			3		3.9048		AAL94967.1  Oxygen-independent coproporphyrinogen III oxidase							
					7	14	7.0000	19.5777								
FN0772						7		9.0643	AAL94968.1  Flavodoxin							
						3		4.1952								
FN0774	-3.087	12.161	1.752e-5	1.35e-5	18	148	23.4291	191.6452	AAL94970.1  Hypothetical cytosolic protein							
					23	145	23.0000	202.7694								
FN0775	-0.491	16.796	1.102e-4	1.771e-4	229	313	298.0702	405.3038	AAL94971.1  Aspartyl aminopeptidase							
					271	282	271.0000	394.3515								
FN0776	0.001	13.548	1.573e-1	9.918e-1	86	75	111.9390	97.1175	AAL94972.1  Aspartate-ammonia ligase							
					107	87	107.0000	121.6616								
FN0777	0.035	12.600	1.364e-1	8.395e-1	68	50	88.5099	64.7450	AAL94973.1  GTP-binding protein lepA							
					71	65	71.0000	90.8966								
FN0778	-0.442	9.755	5.398e-4	1.358e-3	18	27	23.4291	34.9623	AAL94974.1  Methyltransferase							
					27	24	27.0000	33.5618								
FN0779					6		7.8097		AAL94975.1  Putative GTPases (G3E family)							
					11		11.0000									
FN0783	-0.196	22.959	1.153e-2	5.503e-2	1871	2445	2435.3246	3166.0311	AAL94979.1  acyl-CoA dehydrogenase							
					2900	2107	2900.0000	2946.4493								
FN0784	-0.325	22.572	7.081e-3	3.113e-2	1910	2170	2486.0876	2809.9335	AAL94980.1  Electron transfer flavoprotein beta-subunit							
					1976	1988	1976.0000	2780.0385								
FN0785	-0.067	21.932	1.008e-1	5.956e-1	1307	1670	1701.2128	2162.4834	AAL94981.1  Electron transfer flavoprotein alpha-subunit							
					2208	1381	2208.0000	1931.2038								
FN0788	0.484	9.531	9.059e-3	4.156e-2	21	15	27.3339	19.4235	AAL94984.1  unknown							
					37	19	37.0000	26.5698								

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Proteins found: 1358

Test Cutoff

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN0790	-0.605	7.860	1.985e-5	1.632e-5	9	15	11.7145	19.4235	AAL94986.1  Xylose repressor					
					13	13	13.0000	18.1793						
FN0791	-0.247	18.614	2.21e-2	1.143e-1	513	558	667.7293	722.5543	AAL94987.1  Histidine ammonia-lyase					
					495	470	495.0000	657.2526						
FN0792	0.238	20.822	5.849e-4	1.504e-3	1095	1002	1425.2701	1297.4900	AAL94988.1  Urocanate hydratase					
					1532	865	1532.0000	1209.6244						
FN0793						17		22.0133	AAL94989.1  Sodium/glutamate symport carrier protein					
						15		20.9761						
FN0794	1.117	7.976	1.338e-4	2.299e-4	19	8	24.7307	10.3592	AAL94990.1  Hypothetical protein					
					22	8	22.0000	11.1873						
FN0796	-0.217	15.204	1.154e-3	3.536e-3	144	168	187.4328	217.5432	AAL94992.1  Pyruvate,phosphate dikinase					
					173	144	173.0000	201.3710						
FN0798	1.292	8.982	2.66e-2	1.401e-1	41	6	53.3663	7.7694	AAL94994.1  Fructose-1,6-bisphosphatase					
					17	15	17.0000	20.9761						
FN0799	0.442	8.575	8.966e-3	4.105e-2	15	14	19.5242	18.1286	AAL94995.1  Isoamylase					
					26	11	26.0000	15.3825						
FN0800	0.133	10.934	4.685e-2	2.599e-1	32	35	41.6517	45.3215	AAL94996.1  Amino acid-binding protein					
					51	28	51.0000	39.1555						
FN0801	0.906	8.105	6.488e-6	2.993e-6	18	9	23.4291	11.6541	AAL94997.1  Amino acid transport ATP-binding protein					
					22	9	22.0000	12.5857						
FN0803	-1.679	12.233	1.802e-3	6.016e-3	25	114	32.5404	147.6186	AAL94999.1  Cytochrome C-TYPE biogenesis protein ccdA					
					45	72	45.0000	100.6855						
FN0805	0.966	6.577			11		14.3178		AAL95001.1  Hypothetical protein					
					13	5	13.0000	6.9920						
FN0806	-0.810	13.300	1.075e-3	3.245e-3	62	92	80.7002	119.1308	AAL95002.1  SpoIID homolog					
					71	105	71.0000	146.8330						
FN0807	-1.467	9.175	3.587e-3	1.407e-2	13	38	16.9210	49.2062	AAL95003.1  3-deoxy-manno-octulosonate cytidyltransferase					
					12	22	12.0000	30.7650						
FN0808	0.309	12.415	3.683e-3	1.456e-2	68	55	88.5099	71.2195	AAL95004.1  Phosphoglycerate mutase					
					76	44	76.0000	61.5300						
FN0809	-0.780	8.780				23		29.7827	AAL95005.1  23S rRNA methyltransferase					
					16	18	16.0000	25.1714						

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0810	0.027	11.872	1.541e-1	9.681e-1	12	44	15.6194	56.9756	AAL95006.1  Low-specificity threonine aldolase							
					108	46	108.0000	64.3268								
FN0811					4		5.2065		AAL95007.1  Hypothetical protein							
					5		5.0000									
FN0813	2.271	9.608	2.515e-6	6.469e-7	49	11	63.7792	14.2439	AAL95009.1  Transcriptional regulator, TetR family							
					59	8	59.0000	11.1873								
FN0814	-4.936	12.593	2.075e-5	1.732e-5	8	322	10.4129	416.9579	AAL95010.1  Propionate CoA-transferase							
					18	324	18.0000	453.0847								
FN0815						47		60.8603	AAL95011.1  Propionate permease							
						39		54.5380								
FN0816						228		295.2373	AAL95012.1  dehydrogenase with MaoC-like domain							
						231		323.0326								
FN0818	-2.046	18.049	3.655e-5	3.81e-5	224	761	291.5621	985.4191	AAL95014.1  DNA-binding protein HU							
					221	809	221.0000	1131.3135								
FN0819	-0.439	12.040	2.865e-3	1.059e-2	38	53	49.4614	68.6297	AAL95015.1  Tetratricopeptide repeat family protein							
					62	59	62.0000	82.5062								
FN0820	-0.261	14.685	3.42e-2	1.851e-1	91	134	118.4471	173.5166	AAL95016.1  Mercuric reductase							
					178	130	178.0000	181.7933								
FN0821	-1.906	11.708	3.531e-5	3.619e-5	29	79	37.7469	102.2971	AAL95017.1  Hypothetical protein							
					22	87	22.0000	121.6616								
FN0823	2.457	11.051	2.501e-6	6.407e-7	79	12	102.8277	15.5388	AAL95019.1  GTP-binding protein hflX							
					113	17	113.0000	23.7730								
FN0824					4		5.2065		AAL95020.1  hypothetical cytosolic protein							
FN0825	-1.849	11.592	1.905e-6	4.211e-7	25	83	32.5404	107.4767	AAL95021.1  Hypothetical cytosolic protein							
					26	74	26.0000	103.4823								
FN0826	-1.468	9.967	3.602e-4	8.111e-4	20	37	26.0323	47.9113	AAL95022.1  periplasmic component of efflux system							
					12	41	12.0000	57.3348								
FN0827	-0.594	11.207	1.769e-2	8.952e-2	27	35	35.1436	45.3215	AAL95023.1  ABC transporter ATP-binding protein							
					44	53	44.0000	74.1157								
FN0828	-1.864	6.988	2.085e-4	4.025e-4	6	17	7.8097	22.0133	AAL95024.1  ABC transporter permease protein							
					4	15	4.0000	20.9761								

Show detected proteins only  
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 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0830	1.224	11.557	1.181e-4	1.94e-4	59	22	76.7954	28.4878	AAL95026.1  Hypothetical protein							
					91	31	91.0000	43.3507								
FN0832	-1.488	11.225	9.803e-5	1.524e-4	18	65	23.4291	84.1685	AAL95028.1  Hypothetical protein							
					35	57	35.0000	79.7094								
FN0833	-1.099	10.852	1.368e-3	4.349e-3	29	41	37.7469	53.0909	AAL95029.1  Hypothetical protein							
					21	52	21.0000	72.7173								
FN0834	-1.783	9.118	2.469e-5	2.207e-5	8	33	10.4129	42.7317	AAL95030.1  Hypothetical Exported Protein							
					15	32	15.0000	44.7491								
FN0836	-0.069	7.941	9.826e-2	5.79e-1	12	14	15.6194	18.1286	AAL95032.1  Hypothetical protein							
					15	10	15.0000	13.9841								
FN0837									AAL95033.1  Integrase/recombinase							
					8		8.0000									
FN0846	-0.255	13.195	1.815e-2	9.21e-2	74	91	96.3196	117.8359	AAL95042.1  Hypothetical Exported Protein							
					81	67	81.0000	93.6935								
FN0847	-1.184	8.319	7.413e-5	1.081e-4	9	20	11.7145	25.8980	AAL95043.1  TPR-repeat-containing proteins							
					12	20	12.0000	27.9682								
FN0849	0.565	11.018	1.443e-3	4.635e-3	39	33	50.7630	42.7317	AAL95045.1  8-amino-7-oxononanoate synthase							
					60	23	60.0000	32.1634								
FN0850	1.012	10.133	2.691e-5	2.476e-5	37	17	48.1598	22.0133	AAL95046.1  Hypothetical cytosolic protein							
					47	18	47.0000	25.1714								
FN0853	0.915	12.750	1.01e-3	3.013e-3	96	48	124.9552	62.1552	AAL95049.1  Glycogen synthase							
					103	42	103.0000	58.7332								
FN0854	1.493	13.145	4.839e-5	5.831e-5	114	39	148.3843	50.5011	AAL95050.1  Glucose-1-phosphate adenylyltransferase							
					171	45	171.0000	62.9284								
FN0855	1.104	15.358	5.2e-5	6.425e-5	238	109	309.7847	141.1441	AAL95051.1  Glucose-1-phosphate adenylyltransferase							
					291	99	291.0000	138.4426								
FN0856	0.971	13.500	1.32e-4	2.256e-4	124	55	161.4005	71.2195	AAL95052.1  1,4-alpha-glucan branching enzyme							
					140	59	140.0000	82.5062								
FN0857	0.743	16.433	5.978e-5	7.818e-5	304	192	395.6914	248.6208	AAL95053.1  Glycogen phosphorylase							
					374	151	374.0000	211.1599								
FN0858	1.165	10.752	1.401e-2	6.904e-2	31	18	40.3501	23.3082	AAL95054.1  4-alpha-glucanotransferase							
					84	23	84.0000	32.1634								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found: 1358

Enter (or paste) list of ORFs

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

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

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN0865	2.373	13.122	4.153e-6	1.431e-6	172	36	223.8780	46.6164	AAL95061.1  unknown					
					206	26	206.0000	36.3587						
FN0867	-1.510	13.119	1.533e-6	3.026e-7	39	126	50.7630	163.1574	AAL95063.1  Long-chain-fatty-acid--CoA ligase					
					61	111	61.0000	155.2235						
FN0868	-0.117	6.117				8		10.3592	AAL95064.1  ATPases of the PP superfamily					
					8	5	8.0000	6.9920						
FN0869	0.239	5.851			5		6.5081		AAL95065.1  Hydrolase (HAD superfamily)					
					10	5	10.0000	6.9920						
FN0870									AAL95066.1  Rhodanese-related sulfurtransferases					
						5		6.9920						
FN0871	-0.520	7.278	2.177e-2	1.125e-1	6	9	7.8097	11.6541	AAL95067.1  3-dehydroquinate synthase					
					13	13	13.0000	18.1793						
FN0873	1.275	10.316	2.23e-3	7.777e-3	50	16	65.0808	20.7184	AAL95069.1  Protease IV					
					46	18	46.0000	25.1714						
FN0874									AAL95070.1  Phosphohydrolase (MUTT/NUDIX family protein)					
					5		5.0000							
FN0875					6		7.8097		AAL95071.1  23S rRNA methyltransferase					
FN0878	0.183	9.147	5.429e-2	3.049e-1	19	14	24.7307	18.1286	AAL95074.1  Transcriptional regulator, GntR family					
					26	19	26.0000	26.5698						
FN0884					3		3.9048		AAL95079.1  Hemin transport system permease protein hmuU					
FN0885									AAL95081.1  Hemin-binding periplasmic protein hmuT precursor					
						10		13.9841						
FN0886									AAL95082.1  Hemin receptor					
						15		19.4235						
FN0887	-1.043	11.455	8.556e-6	4.576e-6	26	57	33.8420	73.8093	AAL95083.1  Oligoendopeptidase F					
					40	56	40.0000	78.3109						
FN0888						29		37.5521	AAL95084.1  Uracil permease					
						27		37.7571						
FN0889	-0.253	6.592				9		11.6541	AAL95085.1  hypothetical protein					
					9	7	9.0000	9.7889						

Show detected proteins only  
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 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0892					10		13.0162		AAL95088.1  Phosphoserine phosphatase							
					5		5.0000									
FN0893	-0.571	8.186				17		22.0133	AAL95089.1  Hypothetical protein							
					14	14	14.0000	19.5777								
FN0896	-1.044	7.977	1.496e-4	2.678e-4	7	19	9.1113	24.6031	AAL95092.1  Hypothetical protein							
					13	15	13.0000	20.9761								
FN0898					6		7.8097		AAL95094.1  Hypothetical protein							
					6		6.0000									
FN0900	1.716	6.927				4		5.1796	AAL95096.1  Metal dependent hydrolase							
					20	5	20.0000	6.9920								
FN0901	1.053	6.665			10		13.0162		AAL95097.1  DNA polymerase, bacteriophage-type							
					16	5	16.0000	6.9920								
FN0903	0.982	8.331	4.677e-4	1.124e-3	18	10	23.4291	12.9490	AAL95099.1  Polysialic acid capsule expression protein kpsF							
					27	9	27.0000	12.5857								
FN0905						17		22.0133	AAL95101.1  Hypothetical protein							
						15		20.9761								
FN0906	0.421	9.992	3.309e-3	1.269e-2	26	21	33.8420	27.1929	AAL95102.1  Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					40	20	40.0000	27.9682								
FN0908	-1.015	8.896	5.304e-4	1.328e-3	9	22	11.7145	28.4878	AAL95104.1  Tpl protein							
					19	24	19.0000	33.5618								
FN0910	-0.352	5.732	9.654e-2	5.678e-1	3	3	3.9048	3.8847	AAL95106.1  Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
					9	9	9.0000	12.5857								
FN0911	-0.764	6.276	1.296e-3	4.076e-3	5	8	6.5081	10.3592	AAL95107.1  Alpha-ribazole-5'-phosphate phosphatase							
					7	9	7.0000	12.5857								
FN0912					9		11.7145		AAL95108.1  Cobalamin [5'-phosphate] synthase							
					7		7.0000									
FN0913	-0.237	6.237				7		9.0643	AAL95109.1  Cobinamide kinase							
					8	7	8.0000	9.7889								
FN0915	1.056	10.765	3.335e-3	1.282e-2	54	22	70.2873	28.4878	AAL95111.1  PTS system, N-acetylglucosamine-specific IIA component							
					50	21	50.0000	29.3666								
FN0916	-0.058	15.153	8.072e-2	4.666e-1	153	141	199.1473	182.5809	AAL95112.1  Hypothetical Exported Protein							
					175	148	175.0000	206.9646								

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 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0917	0.180	7.233	1.004e-1	5.928e-1	7	7	9.1113	9.0643	AAL95113.1  Hypothetical protein							
					17	10	17.0000	13.9841								
FN0920						7		9.7889	AAL95116.1  Protease HTPX							
FN0921	1.838	8.123	1.24e-4	2.07e-4	27	5	35.1436	6.4745	AAL95117.1  Hypothetical protein							
					28	8	28.0000	11.1873								
FN0925	-0.349	7.023	7.453e-2	4.28e-1	4	8	5.2065	10.3592	AAL95121.1  Hypothetical protein							
					15	11	15.0000	15.3825								
FN0926	2.328	8.244			30	6	39.0485	7.7694	AAL95122.1  GTP pyrophosphokinase							
					39		39.0000									
FN0928	-0.189	6.172			3	7	3.9048	9.0643	AAL95124.1  O-sialoglycoprotein endopeptidase							
					12		12.0000									
FN0929					22		28.6356		AAL95125.1  ATP/GTP hydrolase							
					26		26.0000									
FN0930	-2.011	6.654				16		20.7184	AAL95126.1  Glycerol-3-phosphate cytidyltransferase							
					5	14	5.0000	19.5777								
FN0932	-0.123	8.440	1.146e-1	6.879e-1	9	16	11.7145	20.7184	AAL95128.1  Hypothetical protein							
					24	13	24.0000	18.1793								
FN0934	1.772	8.230	2.848e-3	1.051e-2	30	8	39.0485	10.3592	AAL95130.1  Chorismate synthase							
					25	6	25.0000	8.3905								
FN0938					42		54.6679		AAL95134.1  Hypothetical protein							
					37		37.0000									
FN0940					14		18.2226		AAL95136.1  Hypothetical protein							
					24		24.0000									
FN0941	0.983	10.104	7.167e-3	3.159e-2	44	17	57.2711	22.0133	AAL95137.1  Gamma-glutamyltranspeptidase							
					36	18	36.0000	25.1714								
FN0943	1.376	7.849	8.893e-3	4.065e-2	13	7	16.9210	9.0643	AAL95139.1  Sensory Transduction Protein Kinase							
					32	7	32.0000	9.7889								
FN0947	-1.150	12.309	8.938e-4	2.6e-3	32	71	41.6517	91.9379	AAL95143.1  Hypothetical protein							
					54	86	54.0000	120.2632								
FN0949	-2.512	14.308	4.18e-5	4.698e-5	44	251	57.2711	325.0200	AAL95145.1  DNA helicase							
					62	254	62.0000	355.1961								

Show detected proteins only  
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Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0951	-1.474	7.089				16		20.7184	AAL95147.1  Precorrin-3B C17-methyltransferase							
					7	13	7.0000	18.1793								
FN0952									AAL95148.1  Cobalamin biosynthesis protein G							
						6		8.3905								
FN0957	-0.807	7.335	1.344e-2	6.575e-2	4	13	5.2065	16.8337	AAL95153.1  Precorrin-4 C11-methyltransferase							
					14	12	14.0000	16.7809								
FN0958	-1.973	7.588				23		29.7827	AAL95154.1  unknown							
					7	18	7.0000	25.1714								
FN0959	-2.898	7.542				23		29.7827	AAL95155.1  Precorrin-2 C20-methyltransferase							
					5	32	5.0000	44.7491								
FN0961	1.938	7.463				4		5.1796	AAL95157.1  Hypothetical protein							
					26	6	26.0000	8.3905								
FN0962	-1.888	9.545	1.759e-5	1.358e-5	8	38	10.4129	49.2062	AAL95158.1  Hypothetical cytosolic protein							
					18	40	18.0000	55.9364								
FN0964					7		9.1113		AAL95160.1  Precorrin-8W decarboxylase							
					8		8.0000									
FN0965	0.869	11.020	6.598e-3	2.859e-2	57	24	74.1921	31.0776	AAL95161.1  D-3-phosphoglycerate dehydrogenase							
					49	26	49.0000	36.3587								
FN0966									AAL95162.1  Precorrin-6Y C5,15-methyltransferase (decarboxylating)							
					5		5.0000									
FN0967									AAL95163.1  CbiD protein							
					6		6.0000									
FN0970	-1.208	8.061	2.347e-3	8.283e-3	5	20	6.5081	25.8980	AAL95166.1  Precorrin-8X methylmutase							
					15	17	15.0000	23.7730								
FN0971					4		5.2065		AAL95167.1  hypothetical cytosolic protein							
FN0972					8		10.4129		AAL95168.1  Cobyrinic acid a,c-diamide synthase							
					32		32.0000									
FN0976	0.356	11.171	3.725e-2	2.029e-1	32	31	41.6517	40.1419	AAL95172.1  Hypothetical protein							
					67	32	67.0000	44.7491								
FN0977	1.904	8.650			35	8	45.5566	10.3592	AAL95173.1  Cobyrinic acid synthase							
					32		32.0000									

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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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN0981	-1.046	12.949	1.416e-3	4.534e-3	59	98	76.7954	126.9002	AAL95177.1  Phosphoribosylamine--glycine ligase											
					47	92	47.0000	128.6537												
FN0982	-0.717	16.261	7.407e-5	1.079e-4	180	272	234.2910	352.2129	AAL95178.1  Phosphoribosylaminoimidazolecarboxamide formyltransferase											
					203	262	203.0000	366.3833												
FN0983	-0.131	14.870	3.37e-2	1.821e-1	115	135	149.6859	174.8115	AAL95179.1  Hypothetical protein											
					181	134	181.0000	187.3869												
FN0984	1.135	10.768	2.169e-6	5.104e-7	49	23	63.7792	29.7827	AAL95180.1  Tetracenomycin polyketide synthesis O-methyltransferase tcmP											
					60	19	60.0000	26.5698												
FN0985	0.877	7.512	3.077e-3	1.159e-2	12	10	15.6194	12.9490	AAL95181.1  Phosphoribosylglycinamide formyltransferase											
					21	5	21.0000	6.9920												
FN0986	0.475	15.021	3.343e-2	1.805e-1	119	119	154.8924	154.0931	AAL95182.1  Phosphoribosylformylglycinamide cyclase											
					275	111	275.0000	155.2235												
FN0987	0.022	14.528	1.348e-1	8.278e-1	112	106	145.7811	137.2594	AAL95183.1  Amidophosphoribosyltransferase											
					164	120	164.0000	167.8092												
FN0988	-0.386	16.254	1.078e-2	5.092e-2	156	243	203.0522	314.6608	AAL95184.1  Phosphoribosylamidoimidazole-succinocarboxamide synthase											
					286	232	286.0000	324.4311												
FN0989	0.205	15.133	7.669e-2	4.414e-1	116	141	150.9875	182.5809	AAL95185.1  Phosphoribosylaminoimidazole carboxylase catalytic subunit											
					256	122	256.0000	170.6060												
FN0990	0.344	21.397	1.098e-5	6.798e-6	1412	1164	1837.8826	1507.2639	AAL95186.1  Phosphoribosylformylglycinamide synthase											
					1907	1032	1907.0000	1443.1588												
FN0991	0.565	9.062	8.382e-3	3.79e-2	24	11	31.2388	14.2439	AAL95187.1  CDP-diacylglycerol--serine O-phosphatidyltransferase											
					25	17	25.0000	23.7730												
FN0992	-0.278	10.387	6.06e-3	2.585e-2	28	32	36.4453	41.4368	AAL95188.1  ADP-heptose:LPS heptosyltransferase II											
					30	28	30.0000	39.1555												
FN0994	-0.481	13.827	1.253e-2	6.059e-2	60	112	78.0970	145.0288	AAL95190.1  Hypothetical protein											
					126	100	126.0000	139.8410												
FN0997	0.845	11.311	3.85e-3	1.54e-2	60	30	78.0970	38.8470	AAL95193.1  Hypothetical protein											
					57	26	57.0000	36.3587												
FN0998	0.938	15.794	2.681e-5	2.464e-5	248	132	322.8009	170.9268	AAL95194.1  Dipeptide-binding protein											
					337	124	337.0000	173.4028												
FN0999	0.532	10.149	6.355e-3	2.734e-2	30	26	39.0485	33.6674	AAL95195.1  Deblocking aminopeptidase											
					42	16	42.0000	22.3746												

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Test Cutoff

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1000						63		81.5787	AAL95196.1  Biotin synthase							
						52		72.7173								
FN1001	0.526	10.371	7.727e-4	2.185e-3	31	22	40.3501	28.4878	AAL95197.1  Dethiobiotin synthetase							
					47	23	47.0000	32.1634								
FN1002	-1.433	10.841	7.26e-5	1.046e-4	17	59	22.1275	76.3991	AAL95198.1  Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
					30	46	30.0000	64.3268								
FN1003	1.665	12.176	3.113e-4	6.751e-4	84	32	109.3358	41.4368	AAL95199.1  Outer membrane protein P1 precursor							
					133	25	133.0000	34.9602								
FN1004	0.192	8.589	1.141e-1	6.845e-1	23	10	29.9372	12.9490	AAL95200.1  Transcriptional regulator, TetR family							
					12	17	12.0000	23.7730								
FN1005	-0.969	12.157	4.793e-4	1.161e-3	45	78	58.5727	101.0022	AAL95201.1  Hypothetical protein							
					38	63	38.0000	88.0998								
FN1006					12			12.0000	AAL95202.1  Acetyltransferase							
FN1008						4		5.1796	AAL95204.1  Hypothetical protein							
FN1009						8		10.3592	AAL95205.1  Hypothetical protein							
						3		4.1952								
FN1010	-0.758	14.147	2.453e-4	4.93e-4	90	128	117.1455	165.7472	AAL95206.1  Hypothetical cytosolic protein							
					90	132	90.0000	184.5901								
FN1011	-0.124	7.260	1.113e-1	6.653e-1	9	7	11.7145	9.0643	AAL95207.1  MGPA protein							
					12	12	12.0000	16.7809								
FN1012	0.830	9.761	3.931e-3	1.577e-2	25	19	32.5404	24.6031	AAL95208.1  HPR(Ser) kinase							
					46	14	46.0000	19.5777								
FN1014	0.418	9.669	4.723e-2	2.622e-1	33	23	42.9533	29.7827	AAL95210.1  Folylpolyglutamate synthase							
					23	14	23.0000	19.5777								
FN1015	-1.189	8.409	6.532e-3	2.825e-2	8	16	10.4129	20.7184	AAL95211.1  5'-methylthioadenosine nucleosidase							
					14	25	14.0000	34.9602								
FN1016	0.269	9.840	1.155e-2	5.513e-2	28	21	36.4453	27.1929	AAL95212.1  Lipid A biosynthesis lauroyl acyltransferase							
					30	20	30.0000	27.9682								
FN1017	-0.888	13.443	3.443e-4	7.683e-4	70	104	91.1132	134.6696	AAL95213.1  Hypothetical Exported Protein							
					64	109	64.0000	152.4267								

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Test Cutoff

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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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn								
														-6	-4	-2	0	2	4	6
FN1019	1.342	22.254	4.353e-5	4.996e-5	2651	1077	3450.5855	1394.6076	AAL95215.1  3-hydroxybutyryl-CoA dehydrogenase											
					3671	1012	3671.0000	1415.1906												
FN1020	1.016	16.956	7.01e-3	3.075e-2	478	195	622.1727	252.5055	AAL95216.1  3-hydroxybutyryl-CoA dehydratase											
					392	178	392.0000	248.9169												
FN1022						26		33.6674	AAL95218.1  Calcium-transporting ATPase											
						45		62.9284												
FN1023					24		31.2388		AAL95219.1  5-Nitroimidazole antibiotic resistance protein											
					15		15.0000													
FN1024	-0.340	20.600	1.236e-2	5.962e-2	726	1079	944.9736	1397.1974	AAL95220.1  DNA-binding protein HU											
					1296	1029	1296.0000	1438.9636												
FN1025	-0.683	7.327				14		18.1286	AAL95221.1  Guanine-hypoxanthine permease											
					10	10	10.0000	13.9841												
FN1026	-1.144	6.314				14		18.1286	AAL95222.1  tRNA pseudouridine synthase A											
					6	6	6.0000	8.3905												
FN1028	-0.896	10.271	8.173e-3	3.679e-2	25	46	32.5404	59.5654	AAL95224.1  Deoxyuridine 5'-triphosphate nucleotidohydrolase											
					19	26	19.0000	36.3587												
FN1029	-1.376	12.703	1.812e-5	1.419e-5	41	106	53.3663	137.2594	AAL95225.1  Zinc protease											
					48	90	48.0000	125.8569												
FN1030	2.408	6.323			14	3	18.2226	3.8847	AAL95226.1  Hypothetical membrane-spanning protein											
					23		23.0000													
FN1031	0.112	6.807				6		7.7694	AAL95227.1  Hypothetical membrane-spanning protein											
					11	9	11.0000	12.5857												
FN1033	-0.763	12.293	2.02e-3	6.894e-3	49	81	63.7792	104.8869	AAL95229.1  Methyltransferase											
					45	57	45.0000	79.7094												
FN1034					5		6.5081		AAL95230.1  Transcriptional regulator, TetR family											
					13		13.0000													
FN1035					3		3.0000		AAL95231.1  Iron-sulfur flavoprotein											
					3		3.9048		AAL95232.1  Hypothetical protein											
FN1036					4		4.0000													
					11		14.3178		AAL95233.1  Hypothetical cytosolic protein											
FN1037					20		20.0000													

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q-Value p-Value

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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

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1041					11		14.3178		AAL95237.1  Acetyltransferase							
					19		19.0000									
FN1042	-2.845	11.186	1.938e-5	1.574e-5	10	107	13.0162	138.5543	AAL95238.1  S1 RNA binding domain							
					23	86	23.0000	120.2632								
FN1045						7		9.0643	AAL95241.1  Hypothetical protein							
						4		5.5936								
FN1048					3		3.9048		AAL95244.1  Hypothetical membrane-spanning protein							
FN1050						7		9.0643	AAL95246.1  Lactoylglutathione lyase							
FN1055	0.291	12.045	8.966e-3	4.105e-2	59	40	76.7954	51.7960	AAL95251.1  Cysteine synthase							
					67	47	67.0000	65.7253								
FN1057	0.533	6.990	7.972e-2	4.603e-1	17	8	22.1275	10.3592	AAL95253.1  Diamine acetyltransferase							
					5	6	5.0000	8.3905								
FN1060	0.612	10.239	1.057e-3	3.183e-3	33	24	42.9533	31.0776	AAL95256.1  hypothetical cytosolic protein							
					43	18	43.0000	25.1714								
FN1062	-1.435	11.992	5.281e-4	1.32e-3	22	80	28.6356	103.5920	AAL95258.1  Hydrolase							
					49	76	49.0000	106.2791								
FN1063	1.285	8.472	8.544e-3	3.876e-2	16	10	20.8259	12.9490	AAL95259.1  N-acyl-L-amino acid amidohydrolase							
					38	8	38.0000	11.1873								
FN1066	0.902	7.375	1.146e-5	7.309e-6	14	7	18.2226	9.0643	AAL95262.1  Exodeoxyribonuclease VII large subunit							
					17	7	17.0000	9.7889								
FN1067	-0.182	12.727	3.395e-2	1.836e-1	65	75	84.6051	97.1175	AAL95263.1  Tetratricopeptide repeat family protein							
					70	56	70.0000	78.3109								
FN1068					16		20.8259		AAL95264.1  Smf protein							
					13		13.0000									
FN1069	-1.288	11.991	5.692e-4	1.452e-3	22	73	28.6356	94.5277	AAL95265.1  DNA topoisomerase I							
					53	75	53.0000	104.8807								
FN1070	-1.303	7.724	9.517e-4	2.805e-3	5	18	6.5081	23.3082	AAL95266.1  Glucose inhibited division protein A							
					12	16	12.0000	22.3746								
FN1071	-0.484	4.484							AAL95267.1  Integrase/recombinase							
					4	4	4.0000	5.5936								

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Test Cutoff

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1072	-1.506	10.713	3.42e-4	7.616e-4	12	57	15.6194	73.8093	AAL95268.1  GTP-binding protein							
					33	46	33.0000	64.3268								
FN1073	-0.586	7.052	3.602e-3	1.414e-2	6	11	7.8097	14.2439	AAL95269.1  Hypothetical protein							
					11	10	11.0000	13.9841								
FN1074	-0.271	10.300	1.087e-2	5.138e-2	22	30	28.6356	38.8470	AAL95270.1  Signal recognition particle receptor FtsY							
					36	28	36.0000	39.1555								
FN1075									AAL95271.1  Hypothetical protein							
					7		7.0000									
FN1077	0.234	6.594			11	7	14.3178	9.0643	AAL95273.1  Hypothetical protein							
					7		7.0000									
FN1078	-0.089	15.193	5.043e-2	2.817e-1	144	142	187.4328	183.8758	AAL95274.1  Hypothetical exported 24-amino acid repeat protein							
					188	154	188.0000	215.3551								
FN1079	0.970	18.635	7.349e-4	2.037e-3	748	364	973.6092	471.3437	AAL95275.1  Neutrophil-activating protein A							
					812	315	812.0000	440.4991								
FN1080	0.710	6.498	5.753e-3	2.432e-2	11	5	14.3178	6.4745	AAL95276.1  Export ABC transporter							
					10	6	10.0000	8.3905								
FN1081						34		44.0266	AAL95277.1  unknown							
						25		34.9602								
FN1084	-2.644	10.928	5.242e-4	1.307e-3	11	97	14.3178	125.6053	AAL95280.1  unknown							
					21	68	21.0000	95.0919								
FN1085	1.003	12.351	6.321e-4	1.663e-3	85	40	110.6374	51.7960	AAL95281.1  4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					94	36	94.0000	50.3427								
FN1086	1.114	7.603	7.851e-3	3.51e-2	20	6	26.0323	7.7694	AAL95282.1  Transporter							
					15	8	15.0000	11.1873								
FN1088	0.353	10.067	7.738e-4	2.19e-3	30	21	39.0485	27.1929	AAL95284.1  NADH oxidase							
					35	22	35.0000	30.7650								
FN1089	2.829	13.093	6.809e-4	1.836e-3	164	25	213.4651	32.3725	AAL95285.1  ATP-binding protein (contains P-loop)							
					285	27	285.0000	37.7571								
FN1091	-0.843	8.500	2.384e-3	8.445e-3	8	21	10.4129	27.1929	AAL95287.1  Sigma factor sigB regulation protein rsbU							
					18	17	18.0000	23.7730								
FN1092	0.908	11.784	1.32e-3	4.169e-3	62	27	80.7002	34.9623	AAL95288.1  Hypothetical protein							
					82	37	82.0000	51.7412								

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Test Cutoff

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1093	-1.931	11.305	1.177e-4	1.931e-4	15	75	19.5242	97.1175	AAL95289.1  Hypothetical protein							
					32	71	32.0000	99.2871								
FN1094					13		16.9210		AAL95290.1  Dolichol-phosphate mannosyltransferase							
					24		24.0000									
FN1096	-0.910	10.411	7.755e-4	2.196e-3	16	36	20.8259	46.6164	AAL95292.1  Hypothetical protein							
					33	39	33.0000	54.5380								
FN1097	-3.311	9.311				47		60.8603	AAL95293.1  Hypothetical protein							
					8	70	8.0000	97.8887								
FN1101	0.305	5.695				5		6.4745	AAL95297.1  ATPase							
					8		8.0000									
FN1102	-2.018	8.662				28		36.2572	AAL95298.1  tRNA 2'phosphotransferase							
					10	32	10.0000	44.7491								
FN1103	-0.839	12.838	1.675e-4	3.098e-4	43	85	55.9695	110.0665	AAL95299.1  Excinuclease ABC subunit A							
					72	85	72.0000	118.8648								
FN1105	-1.252	12.275	5.963e-4	1.541e-3	34	76	44.2550	98.4124	AAL95301.1  Hypothetical protein							
					47	85	47.0000	118.8648								
FN1106	-0.775	12.697	3.518e-4	7.885e-4	55	88	71.5889	113.9512	AAL95302.1  L-serine dehydratase							
					53	71	53.0000	99.2871								
FN1111	0.485	7.453			11		14.3178		AAL95307.1  Dipeptide-binding protein							
					17	8	17.0000	11.1873								
FN1117	-1.871	9.855	8.249e-4	2.362e-3	16	37	20.8259	47.9113	AAL95313.1  LSU ribosomal protein L21P							
					11	49	11.0000	68.5221								
FN1119	-2.497	12.350	1.089e-5	6.706e-6	16	142	20.8259	183.8758	AAL95315.1  LSU ribosomal protein L27P							
					40	114	40.0000	159.4187								
FN1120	0.750	15.433	8.342e-4	2.394e-3	207	109	269.4346	141.1441	AAL95316.1  Phosphoenolpyruvate carboxykinase (ATP)							
					276	131	276.0000	183.1917								
FN1121	-0.163	12.497	2.032e-2	1.042e-1	52	67	67.6841	86.7583	AAL95317.1  hypothetical cytosolic protein							
					76	53	76.0000	74.1157								
FN1122	-1.834	14.132	2.495e-4	5.036e-4	66	219	85.9067	283.5832	AAL95318.1  Long-chain-fatty-acid--CoA ligase							
					56	159	56.0000	222.3471								
FN1123	-1.550	8.094	1.478e-3	4.775e-3	11	21	14.3178	27.1929	AAL95319.1  Thioredoxin-like protein							
					5	21	5.0000	29.3666								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN1124	-0.264	17.404	3.451e-5	3.499e-5	286	356	372.2623	460.9845	AAL95320.1  Outer membrane porin F					
					388	323	388.0000	451.6863						
FN1125	1.202	11.928	1.85e-3	6.205e-3	84	29	109.3358	37.5521	AAL95321.1  LemA protein					
					80	32	80.0000	44.7491						
FN1127	0.590	11.548	8.464e-4	2.436e-3	54	30	70.2873	38.8470	AAL95323.1  Hypothetical membrane-spanning protein					
					64	36	64.0000	50.3427						
FN1128	-0.399	15.526	2.826e-4	5.924e-4	140	193	182.2263	249.9157	AAL95324.1  Acylamino-acid-releasing enzyme					
					196	178	196.0000	248.9169						
FN1129	-1.502	7.539	2.65e-4	5.444e-4	4	16	5.2065	20.7184	AAL95325.1  Chromosome partition protein smc					
					11	18	11.0000	25.1714						
FN1130	-0.550	7.469				13		16.8337	AAL95326.1  Tetraacyldisaccharide 4'-kinase					
					11	11	11.0000	15.3825						
FN1131	-0.484	6.098							AAL95327.1  Hypothetical protein					
					7	7	7.0000	9.7889						
FN1133	0.040	9.875	1.23e-1	7.452e-1	27	24	35.1436	31.0776	AAL95329.1  N-acetylglucosamine-6-phosphate deacetylase					
					27	21	27.0000	29.3666						
FN1134	-2.614	8.614				40		51.7960	AAL95330.1  Hypothetical cytosolic protein					
					8	33	8.0000	46.1475						
FN1135	-0.530	14.510	1.273e-3	3.987e-3	107	142	139.2730	183.8758	AAL95331.1  Phosphonates-binding protein					
					115	131	115.0000	183.1917						
FN1136	1.407	8.072	9.993e-4	2.976e-3	18	8	23.4291	10.3592	AAL95332.1  Phosphonates transport ATP-binding protein phnC					
					30	7	30.0000	9.7889						
FN1138	-0.681	18.642	6.319e-3	2.716e-2	491	644	639.0937	833.9158	AAL95334.1  Hypothetical cytosolic protein					
					371	562	371.0000	785.9063						
FN1139	1.010	13.601	1.441e-3	4.628e-3	107	63	139.2730	81.5787	AAL95335.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase					
					177	54	177.0000	75.5141						
FN1140	1.120	7.800	2.05e-2	1.052e-1	10	7	13.0162	9.0643	AAL95336.1  hypothetical protein					
					31	8	31.0000	11.1873						
FN1142	-1.166	6.612	3.314e-4	7.316e-4	4	11	5.2065	14.2439	AAL95338.1  Oxygen-independent coproporphyrinogen III oxidase					
					8	11	8.0000	15.3825						
FN1143	1.365	14.666	4.372e-3	1.777e-2	244	72	317.5944	93.2328	AAL95339.1  Glucosamine-6-phosphate isomerase					
					200	77	200.0000	107.6775						

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1144	-1.023	15.026	1.15e-5	7.354e-6	107	210	139.2730	271.9291	AAL95340.1  Hypothetical Exported Protein							
					117	178	117.0000	248.9169								
FN1145	-0.261	8.956	8.845e-2	5.156e-1	9	15	11.7145	19.4235	AAL95341.1  Oligoendopeptidase F							
					29	21	29.0000	29.3666								
FN1146						24		31.0776	AAL95342.1  Hypothetical exported 24-amino acid repeat protein							
						20		27.9682								
FN1147						20		25.8980	AAL95343.1  Hypothetical protein							
						17		23.7730								
FN1148	0.232	11.418	5.646e-3	2.379e-2	41	40	53.3663	51.7960	AAL95344.1  Serine/threonine sodium symporter							
					60	32	60.0000	44.7491								
FN1149	-0.203	8.048	2.973e-3	1.11e-2	11	14	14.3178	18.1286	AAL95345.1  ATP-dependent nuclease subunit A							
					16	12	16.0000	16.7809								
FN1150	-0.484	6.098							AAL95346.1  unknown							
					7	7	7.0000	9.7889								
FN1152	-0.662	13.990	9.151e-5	1.399e-4	79	128	102.8277	165.7472	AAL95348.1  Aspartate aminotransferase							
					100	111	100.0000	155.2235								
FN1153						36		46.6164	AAL95349.1  Hypothetical protein							
						26		36.3587								
FN1154	0.060	6.643			8		10.4129		AAL95350.1  Ribonuclease BN							
					10	7	10.0000	9.7889								
FN1155	-1.457	5.766	5.269e-3	2.197e-2	3	7	3.9048	9.0643	AAL95351.1  Cell division protein ftsI							
					5	11	5.0000	15.3825								
FN1156					10		13.0162		AAL95352.1  Primosomal protein N'							
					5		5.0000									
FN1157						7		9.0643	AAL95353.1  Polypeptide deformylase							
						7		9.7889								
FN1159	0.801	14.088	3.377e-4	7.494e-4	137	68	178.3215	88.0532	AAL95355.1  Fructose-1,6-bisphosphatase							
					170	80	170.0000	111.8728								
FN1160	-0.124	6.144	7.389e-2	4.24e-1	7	6	9.1113	7.7694	AAL95356.1  SWF/SNF family helicase							
					7	7	7.0000	9.7889								
FN1161	-0.986	6.896	3.008e-3	1.126e-2	5	14	6.5081	18.1286	AAL95357.1  Glutamate racemase							
					9	9	9.0000	12.5857								

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Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1162	0.121	5.732			4		5.2065		AAL95358.1  Hydroxyacylglutathione hydrolase							
					10	5	10.0000	6.9920								
FN1163	-0.499	11.635	1.334e-2	6.521e-2	46	56	59.8744	72.5144	AAL95359.1  Thioredoxin reductase							
					35	44	35.0000	61.5300								
FN1164	-0.764	8.088	5.827e-4	1.496e-3	11	17	14.3178	22.0133	AAL95360.1  Glucokinase							
					11	15	11.0000	20.9761								
FN1165	0.138	24.291	6.285e-2	3.564e-1	4182	3391	5443.3605	4391.0067	AAL95361.1  D-galactose-binding protein							
					4062	3036	4062.0000	4245.5719								
FN1166	-0.107	15.858	4.275e-2	2.353e-1	178	179	231.6877	231.7871	AAL95362.1  Galactoside transport ATP-binding protein mgIA							
					238	196	238.0000	274.0883								
FN1167	-1.960	9.059	1.49e-2	7.405e-2	8	52	10.4129	67.3348	AAL95363.1  Galactoside transport system permease protein mgIC							
					13	17	13.0000	23.7730								
FN1169	-0.078	17.277	1.066e-1	6.339e-1	245	330	318.8961	427.3171	AAL95365.1  L-lactate dehydrogenase							
					457	280	457.0000	391.5547								
FN1170	0.364	25.271	8.773e-6	4.768e-6	5624	4375	7320.2915	5665.1886	AAL95366.1  Pyruvate-flavodoxin oxidoreductase							
					7117	3972	7117.0000	5554.4834								
FN1171	-0.013	19.843	1.435e-1	8.903e-1	673	793	875.9879	1026.8559	AAL95367.1  Acetate kinase							
					1055	659	1055.0000	921.5520								
FN1172	-0.600	18.793	4.171e-5	4.682e-5	397	627	516.7418	811.9025	AAL95368.1  Phosphate acetyltransferase							
					578	606	578.0000	847.4363								
FN1179	0.101	5.069							AAL95375.1  ATP-dependent RNA helicase							
					6	4	6.0000	5.5936								
FN1180	-0.700	6.314				10		12.9490	AAL95376.1  Hypothetical protein							
					7	7	7.0000	9.7889								
FN1181	-0.991	12.938	1.55e-4	2.816e-4	42	99	54.6679	128.1951	AAL95377.1  unknown							
					71	87	71.0000	121.6616								
FN1182	-0.935	6.105				8		10.3592	AAL95378.1  Hypothetical protein							
					6	9	6.0000	12.5857								
FN1183	0.873	6.883	1.428e-2	7.06e-2	8	7	10.4129	9.0643	AAL95379.1  Hypothetical cytosolic protein							
					19	5	19.0000	6.9920								
FN1185	-0.111	10.095	5.219e-2	2.924e-1	22	25	28.6356	32.3725	AAL95381.1  SIR2 family protein							
					35	26	35.0000	36.3587								

Show detected proteins only  
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Proteins found: 1358

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	-	

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1186	4.461	12.950	1.95e-5	1.59e-5	308	12	400.8979	15.5388	AAL95382.1  Amidohydrolase											
					434	16	434.0000	22.3746												
FN1187					85		110.6374		AAL95383.1  Amino acid-binding protein											
					61		61.0000													
FN1188	0.226	13.192	1.158e-2	5.527e-2	87	69	113.2406	89.3481	AAL95384.1  Hypothetical protein											
					96	64	96.0000	89.4982												
FN1189	-0.599	12.549	5.336e-3	2.229e-2	59	77	76.7954	99.7073	AAL95385.1  Hypothetical protein											
					49	65	49.0000	90.8966												
FN1190	0.102	14.748	2.297e-3	8.066e-3	135	121	175.7182	156.6829	AAL95386.1  Probable cadmium-transporting ATPase											
					168	117	168.0000	163.6139												
FN1191	1.230	12.311	5.734e-3	2.423e-2	104	33	135.3681	42.7317	AAL95387.1  unknown											
					83	36	83.0000	50.3427												
FN1192	0.877	17.961	2.91e-3	1.08e-2	451	298	587.0291	385.8803	AAL95388.1  unknown											
					782	257	782.0000	359.3913												
FN1198	1.280	10.701	1.881e-5	1.503e-5	47	21	61.1760	27.1929	AAL95394.1  Transporter											
					66	18	66.0000	25.1714												
FN1200					253		329.3090		AAL95396.1  Hypothetical protein											
					252		252.0000													
FN1201					7		7.0000		AAL95397.1  unknown											
FN1202	1.295	8.041			26	8	33.8420	10.3592	AAL95398.1  NH(3)-dependent NAD(+) synthetase											
					17		17.0000													
FN1203	-0.412	7.199			10		13.0162		AAL95399.1  GTP-binding protein											
					8	10	8.0000	13.9841												
FN1204	0.512	7.398	1.83e-2	9.29e-2	10	6	13.0162	7.7694	AAL95400.1  Methyltransferase											
					18	10	18.0000	13.9841												
FN1205	-0.761	12.337	9.387e-3	4.337e-2	58	69	75.4938	89.3481	AAL95401.1  Protease											
					35	70	35.0000	97.8887												
FN1206						8		11.1873	AAL95402.1  Hemolysin											
FN1208	0.580	7.594				10		12.9490	AAL95404.1  1-deoxyxylulose-5-phosphate synthase											
					17	7	17.0000	9.7889												

Show detected proteins only  
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Proteins found: 1358

Test Cutoff

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

Applies To: ratios, bars; ratios, 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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1209	-1.872	10.844	2.67e-3	9.698e-3	16	77	20.8259	99.7073	AAL95405.1  Hypothetical RNA binding protein							
					24	46	24.0000	64.3268								
FN1210	-1.032	12.066	5.966e-3	2.538e-2	45	55	58.5727	71.2195	AAL95406.1  Metal dependent hydrolase							
					33	83	33.0000	116.0680								
FN1211	-0.699	8.252	3.479e-3	1.353e-2	8	16	10.4129	20.7184	AAL95407.1  Cell division protein ftsI							
					17	17	17.0000	23.7730								
FN1213	-0.421	12.327	2.328e-3	8.199e-3	46	59	59.8744	76.3991	AAL95409.1  Hypothetical protein							
					64	64	64.0000	89.4982								
FN1216	-0.881	9.049	1.107e-2	5.249e-2	13	18	16.9210	23.3082	AAL95412.1  RRF2 family protein							
					17	28	17.0000	39.1555								
FN1217	-0.122	9.171	9.118e-2	5.332e-1	20	16	26.0323	20.7184	AAL95413.1  Holliday junction DNA helicase ruvB							
					20	21	20.0000	29.3666								
FN1218					13		16.9210		AAL95414.1  unknown							
					19		19.0000									
FN1219	0.075	7.863	9.847e-2	5.804e-1	11	10	14.3178	12.9490	AAL95415.1  Hypothetical protein							
					17	12	17.0000	16.7809								
FN1220	0.134	15.776	9.04e-2	5.281e-1	150	183	195.2425	236.9667	AAL95416.1  Cysteine synthase							
					301	154	301.0000	215.3551								
FN1221	0.628	9.110	1.698e-2	8.559e-2	28	13	36.4453	16.8337	AAL95417.1  Hypothetical protein							
					22	15	22.0000	20.9761								
FN1222	-2.965	7.609				29		37.5521	AAL95418.1  Hypothetical protein							
					5	29	5.0000	40.5539								
FN1223	-1.197	10.940	1.036e-5	6.173e-6	25	54	32.5404	69.9246	AAL95419.1  Oxygen-insensitive NAD(P)H nitroreductase							
					26	46	26.0000	64.3268								
FN1224	-1.022	13.632	4.285e-4	1.006e-3	47	113	61.1760	146.3237	AAL95420.1  2-dehydro-3-deoxyphosphooctonate aldolase							
					97	125	97.0000	174.8012								
FN1225	-0.427	13.491	1.198e-2	5.752e-2	60	82	78.0970	106.1818	AAL95421.1  UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase							
					107	102	107.0000	142.6378								
FN1226	0.365	15.117	2.48e-2	1.297e-1	195	127	253.8152	164.4523	AAL95422.1  Uracil-DNA glycosylase							
					174	120	174.0000	167.8092								
FN1229						5		6.4745	AAL95425.1  Hypothetical protein							
						7		9.7889								

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1230						50		64.7450	AAL95426.1  Hypothetical cytosolic protein							
						43		60.1316								
FN1231	0.921	19.191	1.093e-4	1.752e-4	788	431	1025.6739	558.1020	AAL95427.1  Inosine-5'-monophosphate dehydrogenase							
					1104	405	1104.0000	566.3559								
FN1233	0.340	4.830				3		3.8847	AAL95429.1  Putative NAD(P)H oxidoreductase							
					6	4	6.0000	5.5936								
FN1234	0.160	8.625				15		19.4235	AAL95430.1  Hypothetical protein							
					21	13	21.0000	18.1793								
FN1235	1.768	8.128			29	7	37.7469	9.0643	AAL95431.1  Ankyrin repeat proteins							
					24		24.0000									
FN1237	2.287	11.853	2.375e-4	4.73e-4	112	22	145.7811	28.4878	AAL95433.1  Choline kinase							
					123	19	123.0000	26.5698								
FN1238									AAL95434.1  Hypothetical protein							
					4		4.0000									
FN1240	-2.598	8.173	6.78e-5	9.412e-5	6	30	7.8097	38.8470	AAL95436.1  Lipopolysaccharide core biosynthesis protein rfaY							
					6	32	6.0000	44.7491								
FN1241	0.491	6.482	1.888e-2	9.616e-2	8	8	10.4129	10.3592	AAL95437.1  polysaccharide biosynthesis protein							
					12	4	12.0000	5.5936								
FN1242	1.104	8.315	6.253e-5	8.35e-5	21	8	27.3339	10.3592	AAL95438.1  Polysaccharide deacetylase							
					25	10	25.0000	13.9841								
FN1243	-0.234	7.523	3.163e-2	1.697e-1	10	13	13.0162	16.8337	AAL95439.1  Glycosyl transferase							
					12	9	12.0000	12.5857								
FN1244	0.771	8.692	3.719e-3	1.473e-2	17	10	22.1275	12.9490	AAL95440.1  Polysaccharide deacetylase							
					31	13	31.0000	18.1793								
FN1245	-1.567	7.344	7.032e-3	3.087e-2	6	22	7.8097	28.4878	AAL95441.1  Glycosyl transferase							
					7	11	7.0000	15.3825								
FN1246	-0.141	8.601	7.953e-2	4.591e-1	15	19	19.5242	24.6031	AAL95442.1  Lipooligosaccharide cholinephosphotransferase							
					18	12	18.0000	16.7809								
FN1247	0.349	9.857	5.002e-2	2.792e-1	19	19	24.7307	24.6031	AAL95443.1  LOS biosynthesis enzyme LBGB							
					44	21	44.0000	29.3666								
FN1248						5		6.4745	AAL95444.1  Hypothetical cytosolic protein							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1250	-1.336	10.150	4.866e-4	1.184e-3	18	46	23.4291	59.5654	AAL95446.1  Guanine-hypoxanthine permease							
					19	34	19.0000	47.5459								
FN1251	0.025	6.884	1.53e-1	9.601e-1	13	8	16.9210	10.3592	AAL95447.1  High-affinity iron permease							
					5	8	5.0000	11.1873								
FN1252	-1.187	18.460	1.159e-4	1.892e-4	361	638	469.8836	826.1464	AAL95448.1  34 kDa membrane antigen precursor							
					326	705	326.0000	985.8788								
FN1253	-0.732	16.347	1.505e-4	2.701e-4	186	268	242.1007	347.0333	AAL95449.1  unknown							
					206	284	206.0000	397.1484								
FN1254	-1.036	12.873	8.79e-5	1.331e-4	53	103	68.9857	133.3747	AAL95450.1  Oxygen-insensitive NAD(P)H nitroreductase							
					52	82	52.0000	114.6696								
FN1255						15		19.4235	AAL95451.1  NagD protein							
						14		19.5777								
FN1256						5		6.4745	AAL95452.1  C4-dicarboxylate transporter large subunit							
FN1258	-0.557	20.198	1.495e-4	2.677e-4	741	1049	964.4979	1358.3504	AAL95454.1  C4-dicarboxylate-binding protein							
					844	931	844.0000	1301.9194								
FN1259									AAL95455.1  hypothetical protein							
					9		9.0000									
FN1260						4		5.1796	AAL95456.1  Sensory Transduction Protein Kinase							
FN1261						4		5.5936	AAL95457.1  Two-component response regulator							
FN1262	1.407	6.796			21	5	27.3339	6.4745	AAL95458.1  Integral membrane protein							
					7		7.0000									
FN1263	-0.159	9.189	1.724e-2	8.706e-2	19	20	24.7307	25.8980	AAL95459.1  Cobalt chelatase							
					21	18	21.0000	25.1714								
FN1264	-0.747	8.802	6.873e-3	3.003e-2	12	25	15.6194	32.3725	AAL95460.1  Hypothetical protein							
					17	16	17.0000	22.3746								
FN1265	-0.208	13.076	3.209e-2	1.724e-1	76	83	98.9229	107.4767	AAL95461.1  Outer membrane protein							
					74	66	74.0000	92.2950								
FN1266	-0.726	14.326	1.444e-3	4.639e-3	99	140	128.8600	181.2860	AAL95462.1  UTP--glucose-1-phosphate uridylyltransferase							
					94	134	94.0000	187.3869								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1267	-0.323	10.440	3.336e-2	1.8e-1	32	32	41.6517	41.4368	AAL95463.1  Hypothetical protein							
					25	30	25.0000	41.9523								
FN1268	-1.071	15.511	1.415e-3	4.529e-3	120	272	156.1940	352.2129	AAL95464.1  Methionyl-tRNA synthetase							
					142	196	142.0000	274.0883								
FN1269	-0.946	7.322			7	12	9.1113	15.5388	AAL95465.1  Hypothetical lipoprotein							
						14		19.5777								
FN1270	-3.588	10.689			9	115	11.7145	148.9135	AAL95466.1  Hypothetical cytosolic protein							
						95		132.8489								
FN1271	-0.271	11.721	3.333e-2	1.799e-1	49	50	63.7792	64.7450	AAL95467.1  Protease IV							
					42	45	42.0000	62.9284								
FN1273	0.531	11.522	2.203e-2	1.139e-1	51	47	66.3824	60.8603	AAL95469.1  Outer membrane protein tolC							
					64	21	64.0000	29.3666								
FN1274	-1.250	10.223	5.095e-4	1.258e-3	16	37	20.8259	47.9113	AAL95470.1  Acriflavin resistance protein E							
					24	42	24.0000	58.7332								
FN1275	-1.572	10.413	2.811e-4	5.884e-4	16	53	20.8259	68.6297	AAL95471.1  Acriflavin resistance protein B							
					22	42	22.0000	58.7332								
FN1276					13		16.9210		AAL95472.1  Hypothetical protein							
					22		22.0000									
FN1277	0.267	15.369	6.773e-3	2.95e-2	160	133	208.2587	172.2217	AAL95473.1  Aminoacyl-histidine dipeptidase							
					243	145	243.0000	202.7694								
FN1278									AAL95474.1  Acetyltransferase							
					11		11.0000									
FN1279	-0.890	12.061	1.02e-4	1.603e-4	40	64	52.0647	82.8736	AAL95475.1  Zinc metallohydrolase, glyoxalase II family							
					44	68	44.0000	95.0919								
FN1280	3.038	10.375	3.156e-4	6.873e-4	89	11	115.8439	14.2439	AAL95476.1  Serine protease, V8 family							
					93	8	93.0000	11.1873								
FN1281	0.629	9.636	4.332e-3	1.759e-2	27	21	35.1436	27.1929	AAL95477.1  Cysteine protease							
					35	13	35.0000	18.1793								
FN1282	0.250	12.338	1.182e-2	5.664e-2	66	49	85.9067	63.4501	AAL95478.1  LSU ribosomal protein L17P							
					71	49	71.0000	68.5221								
FN1283	0.423	18.195	1.589e-2	7.951e-2	404	383	525.8531	495.9468	AAL95479.1  DNA-directed RNA polymerase alpha chain							
					743	322	743.0000	450.2879								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	-	

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
	<b>FN1284</b>	-1.208	18.516	3.448e-7	3.598e-8	324	705	421.7238		912.9047	AAL95480.1  SSU ribosomal protein S4P					
					384	678	384.0000	948.1218								
<b>FN1285</b>	-2.246	11.238	2.49e-5	2.234e-5	17	80	22.1275	103.5920	AAL95481.1  SSU ribosomal protein S11P							
					23	79	23.0000	110.4744								
<b>FN1286</b>	-2.156	15.369	1.562e-6	3.129e-7	66	323	85.9067	418.2528	AAL95482.1  SSU ribosomal protein S13P							
					109	322	109.0000	450.2879								
<b>FN1287</b>	-2.227	8.844	5.401e-5	6.771e-5	6	36	7.8097	46.6164	AAL95483.1  Bacterial Protein Translation Initiation Factor 1 (IF-1)							
					12	33	12.0000	46.1475								
<b>FN1290</b>	-0.935	9.035	3.475e-3	1.35e-2	17	23	22.1275	29.7827	AAL95486.1  Hypothetical protein							
					11	24	11.0000	33.5618								
<b>FN1293</b>	-0.864	5.625			4	6	5.2065	7.7694	AAL95489.1  Hypothetical protein							
						8		11.1873								
<b>FN1296</b>						29		37.5521		AAL95492.1  unknown						
						16		22.3746								
<b>FN1297</b>	-0.261	10.208	5.042e-3	2.088e-2	26	29	33.8420	37.5521	AAL95493.1  Methionine aminopeptidase							
					29	27	29.0000	37.7571								
<b>FN1298</b>	-1.411	12.551	2.195e-3	7.624e-3	53	99	68.9857	128.1951	AAL95494.1  Adenylate kinase							
					26	89	26.0000	124.4585								
<b>FN1299</b>					4		5.2065		AAL95495.1  dTDP-glucose 4,6-dehydratase							
					7		7.0000									
<b>FN1301</b>	-1.250	12.528	5.191e-6	2.015e-6	42	88	54.6679	113.9512	AAL95497.1  ABC transporter ATP-binding protein							
					45	88	45.0000	123.0601								
<b>FN1302</b>	-1.858	15.374	1.188e-3	3.661e-3	81	349	105.4309	451.9202	AAL95498.1  Hypothetical protein							
					111	238	111.0000	332.8215								
<b>FN1303</b>	-0.799	12.879	3.786e-5	4.019e-5	55	85	71.5889	110.0665	AAL95499.1  hypothetical cytosolic protein							
					60	85	60.0000	118.8648								
<b>FN1304</b>	-0.525	14.306	1.29e-4	2.185e-4	87	133	113.2406	172.2217	AAL95500.1  Single-strand DNA binding protein							
					124	121	124.0000	169.2076								
<b>FN1305</b>	-0.035	10.780	1.491e-1	9.309e-1	46	31	59.8744	40.1419	AAL95501.1  Hypothetical cytosolic protein							
					23	32	23.0000	44.7491								
<b>FN1306</b>	1.030	14.306	2.074e-3	7.116e-3	135	75	175.7182	97.1175	AAL95502.1  Methyltransferase							
					231	73	231.0000	102.0839								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1309	-1.337	15.556	2.779e-4	5.794e-4	87	272	113.2406	352.2129	AAL95505.1  Hypothetical protein							
					163	247	163.0000	345.4072								
FN1311									AAL95507.1  Biopolymer transport exbD protein							
						8		11.1873								
FN1312									AAL95508.1  Biopolymer transport exbB protein							
						44		56.9756								
FN1313	-0.678	12.885	1.501e-4	2.691e-4					AAL95509.1  Oligopeptide-binding protein oppA							
						58	90	75.4938								
FN1315	-0.215	6.145							AAL95511.1  Hypothetical protein							
						62	74	62.0000								
FN1317	-0.766	7.607	6.868e-4	1.857e-3					AAL95513.1  RNA polymerase sigma factor							
						6	7	7.8097								
FN1318	-0.955	9.979	9.638e-4	2.849e-3					AAL95514.1  RNA polymerase sigma factor rpoD							
						8	13	10.4129								
FN1319	0.640	8.531	4.834e-2	2.689e-1					AAL95515.1  DNA primase							
						11	14	11.0000								
FN1320	-1.364	16.471	5.345e-5	6.673e-5					AAL95516.1  Peptidyl-prolyl cis-trans isomerase							
						22	37	28.6356								
FN1321	0.313	20.055	7.656e-4	2.157e-3					AAL95517.1  Acetoacetate metabolism regulatory protein atoC							
						17	29	17.0000								
FN1322	0.166	8.530	7.725e-2	4.449e-1					AAL95518.1  Membrane metalloprotease							
						10	13	13.0162								
FN1323	-1.237	7.014	7.975e-6	4.09e-6					AAL95519.1  Thymidylate kinase							
						35	10	35.0000								
FN1324	0.430	10.702	4.974e-3	2.057e-2					AAL95520.1  1-deoxy-D-xylulose 5-phosphate reductoisomerase							
						168	385	218.6716								
FN1326	-1.212	6.826							AAL95522.1  Undecaprenyl pyrophosphate synthetase							
						157	335	157.0000								
FN1327	1.946	6.083							AAL95523.1  Dimethylallyltransferase							
						849	752	1105.0725								
FN1328									AAL95524.1  Exodeoxyribonuclease VII small subunit							
						1221	643	1221.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1330	0.042	3.958				3		3.8847	AAL95526.1  S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
					4		4.0000									
FN1331						5		6.4745	AAL95527.1  Methyltransferase							
						8		11.1873								
FN1332	-1.174	11.189	2.072e-4	3.995e-4	21	57	27.3339	73.8093	AAL95528.1  Bacterial Peptide Chain Release Factor 1 (RF-1)							
					37	51	37.0000	71.3189								
FN1333					7		9.1113		AAL95529.1  Hypothetical protein							
					18		18.0000									
FN1334	-1.623	6.842	6.51e-6	3.013e-6	4	15	5.2065	19.4235	AAL95530.1  N-acetylmuramoyl-L-alanine amidase							
					7	13	7.0000	18.1793								
FN1335	-1.236	12.265	2.61e-3	9.432e-3	18	95	23.4291	123.0155	AAL95531.1  Protein translocase subunit YajC							
					68	66	68.0000	92.2950								
FN1336	-1.084	8.699				21		27.1929	AAL95532.1  Hypothetical protein							
					14	23	14.0000	32.1634								
FN1337	-2.361	7.976				21		27.1929	AAL95533.1  unknown							
					7	32	7.0000	44.7491								
FN1340	-0.680	16.630	3.063e-4	6.604e-4	173	288	225.1797	372.9313	AAL95536.1  Glutamyl-tRNA synthetase							
					278	310	278.0000	433.5070								
FN1341	-0.459	7.432	2.206e-3	7.673e-3	8	13	10.4129	16.8337	AAL95537.1  Bacterial Peptide Chain Release Factor 2 (RF-2)							
					12	10	12.0000	13.9841								
FN1343	0.735	8.881			20	13	26.0323	16.8337	AAL95539.1  seC-independent protein TATD							
					30		30.0000									
FN1345									AAL95541.1  2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate hydrolase							
FN1346					15		19.5242		AAL95542.1  Hypothetical cytosolic protein							
					19		19.0000									
FN1347	-2.035	7.547	5.083e-4	1.254e-3	5	19	6.5081	24.6031	AAL95543.1  Hypothetical cytosolic protein							
					7	22	7.0000	30.7650								
FN1348	0.261	9.781	3.153e-2	1.691e-1	23	17	29.9372	22.0133	AAL95544.1  ABC transporter ATP-binding protein							
					35	23	35.0000	32.1634								
FN1349	-2.175	8.687	1.369e-4	2.374e-4	7	31	9.1113	40.1419	AAL95545.1  ABC transporter permease protein							
					10	33	10.0000	46.1475								

Show detected proteins only  
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 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn								
										-6	-4	-2	0	2	4	6
FN1351	-0.432	11.235	3.188e-2	1.711e-1	35	33	45.5566	42.7317	AAL95547.1  15 kDa lipoprotein precursor							
					39	51	39.0000	71.3189								
FN1352	-0.474	11.918	3.852e-3	1.541e-2	35	56	45.5566	72.5144	AAL95548.1  ABC transporter ATP-binding protein							
					60	53	60.0000	74.1157								
FN1353	-0.205	7.892	1.059e-1	6.293e-1	9	18	11.7145	23.3082	AAL95549.1  ABC transporter permease protein							
					17	7	17.0000	9.7889								
FN1354	-0.699	9.626	3.802e-3	1.516e-2	17	24	22.1275	31.0776	AAL95550.1  ABC transporter permease protein							
					22	29	22.0000	40.5539								
FN1355						4		5.1796	AAL95551.1  Integral membrane protein							
						7		9.7889								
FN1358					22		28.6356		AAL95554.1  Hypothetical protein							
					46		46.0000									
FN1359	2.297	17.119	1.388e-3	4.424e-3	760	116	989.2286	150.2084	AAL95555.1  Dipeptide-binding protein							
					683	136	683.0000	190.1837								
FN1362					76		98.9229		AAL95558.1  Dipeptide transport ATP-binding protein dppD							
					82		82.0000									
FN1363	2.705	9.941	2.934e-4	6.228e-4	70	6	91.1132	7.7694	AAL95559.1  Dipeptide transport ATP-binding protein dppF							
					69	12	69.0000	16.7809								
FN1364						79		102.2971	AAL95560.1  LSU ribosomal protein L32P							
						86		120.2632								
FN1365	0.155	15.281	6.373e-2	3.617e-1	136	156	177.0199	202.0044	AAL95561.1  GTP-binding protein							
					244	126	244.0000	176.1996								
FN1366	-0.778	14.823	8.148e-4	2.328e-3	83	190	108.0342	246.0310	AAL95562.1  Triosephosphate isomerase							
					152	143	152.0000	199.9726								
FN1368									AAL95564.1  COMF operon protein 3							
					4		4.0000									
FN1371									AAL95567.1  Ribonuclease HII							
					5		5.0000									
FN1373									AAL95569.1  regulatory protein							
					5		5.0000									
FN1374	-0.819	6.819				11		14.2439	AAL95570.1  Transcriptional regulator							
					8	10	8.0000	13.9841								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1375	0.467	10.557	2.935e-2	1.562e-1	44	24	57.2711	31.0776	AAL95571.1  Citrate-sodium symport							
					34	25	34.0000	34.9602								
FN1376	0.702	19.411	1.056e-2	4.97e-2	647	510	842.1459	660.3991	AAL95572.1  Oxaloacetate decarboxylase alpha chain							
					1288	464	1288.0000	648.8621								
FN1377					9		11.7145		AAL95573.1  CITG protein							
FN1378	-0.568	10.247			22	31	28.6356	40.1419	AAL95574.1  Citrate lyase acyl carrier protein							
						32		44.7491								
FN1379	0.954	16.471	1.937e-5	1.573e-5	328	179	426.9302	231.7871	AAL95575.1  Citrate lyase beta chain							
					412	144	412.0000	201.3710								
FN1380	0.865	18.410	1.552e-2	7.749e-2	431	344	560.9967	445.4457	AAL95576.1  Citrate lyase beta chain							
					1032	307	1032.0000	429.3118								
FN1381						4		5.1796	AAL95577.1  unknown							
						4		5.5936								
FN1382									AAL95578.1  ATPase							
					7		7.0000									
FN1383					11		14.3178		AAL95579.1  DNA polymerase III alpha subunit							
					16		16.0000									
FN1385	0.228	6.718	1.125e-1	6.736e-1	4	6	5.2065	7.7694	AAL95581.1  Hypothetical protein							
					17	8	17.0000	11.1873								
FN1386	1.846	7.654	2.145e-3	7.413e-3	16	4	20.8259	5.1796	AAL95582.1  SWF/SNF family helicase							
					33	7	33.0000	9.7889								
FN1391	-1.705	12.244	3.054e-4	6.578e-4	37	110	48.1598	142.4390	AAL95584.1  Acetyltransferase							
					29	78	29.0000	109.0760								
FN1392	-1.845	13.878	1.15e-8	1.589e-10	48	181	62.4776	234.3769	AAL95585.1  SSU ribosomal protein S16P							
					67	165	67.0000	230.7376								
FN1393	-0.634	11.554	1.046e-3	3.141e-3	30	58	39.0485	75.1042	AAL95586.1  Signal recognition particle, subunit FFH/SRP54							
					49	44	49.0000	61.5300								
FN1397	-1.981	13.445	3.795e-6	1.258e-6	44	161	57.2711	208.4789	AAL95590.1  Glutaminase							
					49	151	49.0000	211.1599								
FN1398	-1.505	12.465	3.555e-3	1.391e-2	34	119	44.2550	154.0931	AAL95591.1  Amino acid carrier protein alsT							
					45	71	45.0000	99.2871								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1399					3		3.0000		AAL95592.1  Hypothetical cytosolic protein							
FN1406	0.273	12.219	1.037e-2	4.869e-2	59	43	76.7954	55.6807	AAL95599.1  Histidine ammonia-lyase							
FN1407	1.445	8.655	9.711e-3	4.519e-2	34	8	44.2550	10.3592	AAL95600.1  Glutamate formiminotransferase							
FN1411	2.355	16.868	1.15e-8	1.52e-10	594	112	773.1602	145.0288	AAL95604.1  Threonine dehydratase							
FN1412					6		7.8097		AAL95605.1  5-methylthioribose kinase							
FN1413					4		4.0000		AAL95606.1  Translation initiation factor EIF-2B subunit 1							
FN1415					13		13.0000		AAL95608.1  NADH-dependent butanol dehydrogenase A							
FN1416					4		4.0000		AAL95609.1  Transcriptional regulator, GntR family							
FN1417	0.839	5.807			10		13.0162		AAL95610.1  L-fucose phosphate aldolase							
FN1418	-0.696	4.271			3		3.9048		AAL95611.1  Transcriptional regulator, GntR family							
FN1419	2.422	21.045	1.67e-3	5.504e-3	2104	475	2738.6012	615.0776	AAL95612.1  Methionine gamma-lyase							
FN1421	0.598	20.931	6.024e-5	7.904e-5	1356	842	1764.9921	1090.3060	AAL95614.1  Pyruvate-flavodoxin oxidoreductase							
FN1423	0.373	15.542	1.053e-4	1.669e-4	186	155	242.1007	200.7095	AAL95616.1  Flavoprotein							
FN1424	0.371	17.677	4.366e-3	1.774e-2	362	329	471.1852	426.0222	AAL95617.1  ACYL-COA dehydrogenase, short-chain specific							
FN1426	-1.045	17.652	1.195e-6	1.975e-7	232	496	301.9750	642.2705	AAL95619.1  Serine protease							
FN1429						7		9.0643	AAL95622.1  Branched-chain amino acid transport ATP-binding protein livG							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1432	-3.913	7.913				52		67.3348	AAL95625.1  Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein											
					4	38	4.0000	53.1396												
FN1433	-0.433	15.634	7.703e-4	2.176e-3	150	193	195.2425	249.9157	AAL95626.1  Short chain dehydrogenase											
					193	196	193.0000	274.0883												
FN1434	-0.115	14.548	2.146e-2	1.107e-1	114	117	148.3843	151.5033	AAL95627.1  Tetratricopeptide repeat family protein											
					149	122	149.0000	170.6060												
FN1437	-2.113	14.242	4.812e-6	1.785e-6	56	215	72.8905	278.4036	AAL95630.1  LSU ribosomal protein L28P											
					61	215	61.0000	300.6581												
FN1439	-3.837	10.146	9.237e-4	2.705e-3	6	81	7.8097	104.8869	AAL95632.1  Transcriptional regulator, DeoR family											
					10	107	10.0000	149.6298												
FN1440	-2.917	11.540	7.387e-5	1.075e-4	9	128	11.7145	165.7472	AAL95633.1  1-phosphofructokinase											
					28	96	28.0000	134.2473												
FN1441	-0.907	14.935	6.787e-5	9.427e-5	111	195	144.4794	252.5055	AAL95634.1  PTS system, fructose-specific IIABC component											
					114	166	114.0000	232.1360												
FN1444	-0.325	17.546	2.296e-3	8.058e-3	274	362	356.6429	468.7539	AAL95637.1  GMP synthase (glutamine-hydrolyzing)											
					425	365	425.0000	510.4195												
FN1445	-2.200	10.101	1.068e-3	3.221e-3	13	46	16.9210	59.5654	AAL95638.1  DNA helicase											
					14	59	14.0000	82.5062												
FN1448									AAL95641.1  Hypothetical cytosolic protein											
					4		4.0000													
FN1449	-4.909	14.158	5.988e-6	2.575e-6	21	560	27.3339	725.1441	AAL95642.1  Fusobacterium outer membrane protein family											
					22	541	22.0000	756.5397												
FN1450	0.525	9.952			29	20	37.7469	25.8980	AAL95643.1  Integral membrane protein											
						19		26.5698												
FN1451	0.586	15.628	1.133e-4	1.837e-4	204	139	265.5298	179.9911	AAL95644.1  Cell division protein ftsZ											
					286	134	286.0000	187.3869												
FN1452	0.362	14.120	6.061e-3	2.585e-2	108	103	140.5746	133.3747	AAL95645.1  Cell division protein ftsA											
					162	73	162.0000	102.0839												
FN1454	-0.589	9.784	4.074e-2	2.233e-1	8	26	10.4129	33.6674	AAL95647.1  D-alanine--D-alanine ligase											
					38	28	38.0000	39.1555												
FN1455	-0.013	8.644	1.432e-1	8.879e-1	16	17	20.8259	22.0133	AAL95648.1  UDP-N-acetylenolpyruvoylglucosamine reductase											
					19	13	19.0000	18.1793												

Show detected proteins only  
 Show all proteins  
 Filter by category:  
 GO: amino acid transport

Proteins found:  
 1358

Enter (or paste) list of 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

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

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1456	-0.316	12.360	2.725e-3	9.948e-3	53	58	68.9857	75.1042	AAL95649.1  UDP-N-acetylmuramate--alanine ligase							
					61	62	61.0000	86.7014								
FN1457	-0.428	11.775	2.24e-2	1.161e-1	50	51	65.0808	66.0399	AAL95650.1  UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-							
					37	51	37.0000	71.3189								
FN1458	-0.350	12.361	2.451e-2	1.28e-1	38	66	49.4614	85.4634	AAL95651.1  UDP-N-acetylmuramoylalanine--D-glutamate ligase							
					79	56	79.0000	78.3109								
FN1459									AAL95652.1  Phospho-N-acetylmuramoyl-pentapeptide-transferase							
						12		16.7809								
FN1461	-1.210	10.023	5.029e-3	2.083e-2	8	38	10.4129	49.2062	AAL95654.1  Histidinol-phosphatase							
					32	35	32.0000	48.9443								
FN1462					3		3.9048		AAL95655.1  Transcriptional regulator, GntR family							
FN1463	0.404	17.015	5.54e-5	7.014e-5	332	236	432.1367	305.5965	AAL95656.1  pyridoxine biosynthesis protein							
					405	234	405.0000	327.2279								
FN1464	0.524	16.620	6.288e-5	8.419e-5	302	209	393.0882	270.6342	AAL95657.1  1-deoxyxylulose-5-phosphate synthase							
					368	185	368.0000	258.7058								
FN1470	-4.032	8.649	2.359e-4	4.691e-4	3	69	3.9048	89.3481	AAL95663.1  Hypothetical protein							
					6	52	6.0000	72.7173								
FN1471	-1.987	5.952	7.154e-3	3.152e-2	3	8	3.9048	10.3592	AAL95664.1  LACI-family transcription regulator							
					4	15	4.0000	20.9761								
FN1472	-3.429	12.792	4.04e-4	9.34e-4	21	239	27.3339	309.4812	AAL95665.1  N-acetylneuraminate-binding protein							
					24	174	24.0000	243.3233								
FN1474						8		10.3592	AAL95667.1  N-acetylmannosamine kinase							
						7		9.7889								
FN1475	-2.397	9.041				36		46.6164	AAL95668.1  N-acetylneuraminate lyase							
					10	42	10.0000	58.7332								
FN1476						19		24.6031	AAL95669.1  N-acetylmannosamine-6-phosphate 2-epimerase							
						18		25.1714								
FN1478					16		20.8259		AAL95671.1  Hypothetical protein							
FN1479	-0.758	9.918	2.551e-4	5.183e-4	16	29	20.8259	37.5521	AAL95672.1  Hypothetical protein							
					27	31	27.0000	43.3507								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1480	0.738	9.502	6.281e-4	1.649e-3	25	16	32.5404	20.7184	AAL95673.1  MG2+ transporter MGTE							
					37	15	37.0000	20.9761								
FN1481	0.319	6.311	1.055e-1	6.27e-1	3	8	3.9048	10.3592	AAL95674.1  Queuine tRNA-ribosyltransferase							
					16	4	16.0000	5.5936								
FN1482	0.667	12.619	3.33e-3	1.279e-2	66	40	85.9067	51.7960	AAL95675.1  Guanosine-3',5'-bis (Diphosphate) 3'-pyrophosphohydrolase							
					114	53	114.0000	74.1157								
FN1483	-1.057	10.294	1.05e-4	1.663e-4	17	39	22.1275	50.5011	AAL95676.1  Adenine phosphoribosyltransferase							
					27	37	27.0000	51.7412								
FN1484	-0.972	6.825	5.444e-3	2.281e-2	4	9	5.2065	11.6541	AAL95677.1  Tetratricopeptide repeat family protein							
					10	13	10.0000	18.1793								
FN1485					4		4.0000		AAL95678.1  Transporter							
FN1486	-0.572	5.216				5		6.4745	AAL95679.1  magnesium and cobalt efflux protein CorC							
					5	6	5.0000	8.3905								
FN1487	-0.972	15.222	1.898e-6	4.186e-7	110	207	143.1778	268.0444	AAL95681.1  Chorismate mutase							
					136	200	136.0000	279.6819								
FN1488					17		17.0000		AAL95682.1  Methylenetetrahydrofolate dehydrogenase (NADP+)							
FN1489	-0.369	9.486	1.483e-2	7.364e-2	17	20	22.1275	25.8980	AAL95683.1  Methionyl-tRNA formyltransferase							
					25	25	25.0000	34.9602								
FN1490	1.571	8.471	6.866e-3	2.999e-2	33	5	42.9533	6.4745	AAL95684.1  putative regulatory protein							
FN1491	-0.293	8.675			15		19.5242		AAL95685.1  PTS system, IIA component							
					17	16	17.0000	22.3746								
FN1492					4		4.0000		AAL95686.1  DNA repair protein recO							
FN1493	-2.101	7.150	2.027e-3	6.924e-3	5	23	6.5081	29.7827	AAL95687.1  Hypothetical protein							
					5	14	5.0000	19.5777								
FN1494	-1.536	8.430	4.557e-4	1.088e-3	6	24	7.8097	31.0776	AAL95680.1  Rod shape-determining protein mreC							
					14	23	14.0000	32.1634								
FN1496	-1.536	8.430	4.557e-4	1.088e-3	6	24	7.8097	31.0776	AAL95680.1  Rod shape-determining protein mreC							
					14	23	14.0000	32.1634								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

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

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

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN1499	-1.628	10.800	8.446e-4	2.429e-3	20	65	26.0323	84.1685	AAL93625.1  Cell surface protein					
					22	46	22.0000	64.3268						
FN1504	-0.873	14.681	3.772e-3	1.5e-2	121	179	157.4956	231.7871	AAL93630.1  Nickel-binding protein					
					82	148	82.0000	206.9646						
FN1505	-0.463	15.961	1.136e-3	3.469e-3	183	215	238.1958	278.4036	AAL93631.1  6,7-dimethyl-8-ribityllumazine synthase					
					192	225	192.0000	314.6422						
FN1506	-0.525	6.865				10		12.9490	AAL93632.1  Diaminohydroxyphosphoribosylaminopyrimidine deaminase					
					9		9.0000							
FN1507									AAL93633.1  Riboflavin synthase alpha chain					
					8		8.0000							
FN1508	-0.566	12.519	1.493e-2	7.418e-2	33	77	42.9533	99.7073	AAL93634.1  GTP cyclohydrolase II					
					83	62	83.0000	86.7014						
FN1512						11		14.2439	AAL93638.1  hypothetical exported 24-amino acid repeat protein					
						8		11.1873						
FN1517	-0.956	15.597	5.742e-4	1.469e-3	115	262	149.6859	339.2639	AAL93643.1  Leucyl-tRNA synthetase					
						170	201	170.0000						
FN1518	-0.740	5.910				9		11.6541	AAL93644.1  RNA polymerase sigma-H factor					
					6	6	6.0000	8.3905						
FN1519	-0.504	8.993	1.798e-3	6.002e-3	13	21	16.9210	27.1929	AAL93645.1  23S rRNA methyltransferase					
						21	19	21.0000						
FN1520	-1.051	11.266	4.193e-5	4.721e-5	23	52	29.9372	67.3348	AAL93646.1  UDP-N-acetylglucosamine 1-carboxyvinyltransferase					
						39	54	39.0000						
FN1521						15		19.4235	AAL93647.1  Dipeptide transport system permease protein dppB					
							16							
FN1523	-2.225	15.021	2.363e-7	2.072e-8	72	299	93.7164	387.1752	AAL93649.1  Dipeptide-binding protein					
						75	287	75.0000						
FN1524						5		6.4745	AAL93650.1  Dipeptide transport ATP-binding protein dppD					
							5							
FN1525						5		6.4745	AAL93651.1  Dipeptide transport ATP-binding protein dppF					
							5							
FN1526	-2.550	20.542	5.399e-6	2.151e-6	332	2415	432.1367	3127.1841	AAL93652.1  Fusobacterium outer membrane protein family					
						589	2039	589.0000						

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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; ratios, bars; 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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1527	-3.030	12.651	5.453e-5	6.86e-5	17	164	22.1275	212.3636	AAL93653.1  Hypothetical protein							
					34	176	34.0000	246.1201								
FN1528	-1.980	13.695	7.134e-5	1.018e-4	33	173	42.9533	224.0177	AAL93654.1  Hypothetical protein							
					73	167	73.0000	233.5344								
FN1529	-2.743	10.835	1.903e-5	1.53e-5	20	79	26.0323	102.2971	AAL93655.1  Hypothetical protein							
					7	85	7.0000	118.8648								
FN1531	0.931	10.693	2.863e-5	2.691e-5	41	25	53.3663	32.3725	AAL93657.1  murein hydrolase export regulator							
					59	19	59.0000	26.5698								
FN1533	-0.564	18.290	6.836e-4	1.846e-3	329	534	428.2318	691.4767	AAL93659.1  Electron transfer flavoprotein alpha-subunit							
					503	490	503.0000	685.2208								
FN1534	-0.096	19.572	3.63e-2	1.973e-1	651	657	847.3524	850.7495	AAL93660.1  Electron transfer flavoprotein beta-subunit							
					860	697	860.0000	974.6916								
FN1535	0.483	20.907	6.664e-3	2.893e-2	1107	873	1440.8895	1130.4479	AAL93661.1  Acyl-CoA dehydrogenase, short-chain specific							
					1875	888	1875.0000	1241.7878								
FN1536	1.421	19.115	1.569e-3	5.121e-3	806	369	1049.1029	477.8182	AAL93662.1  (S)-2-hydroxy-acid oxidase chain D							
					1417	317	1417.0000	443.2959								
FN1537	-1.040	5.684				4		5.1796	AAL93663.1  Arsenical pump-driving ATPase							
					5	11	5.0000	15.3825								
FN1538	0.712	8.750	4.796e-3	1.973e-2	17	11	22.1275	14.2439	AAL93664.1  Arsenical pump-driving ATPase							
					31	13	31.0000	18.1793								
FN1539	-0.327	15.678	1.615e-4	2.967e-4	162	205	210.8619	265.4546	AAL93665.1  Iron-sulfur cluster-binding protein							
					198	177	198.0000	247.5185								
FN1540	0.786	16.744	1.611e-4	2.958e-4	355	205	462.0739	265.4546	AAL93666.1  Iron-sulfur cluster-binding protein							
					408	171	408.0000	239.1281								
FN1544	1.512	17.022	4.949e-4	1.211e-3	428	162	557.0919	209.7738	AAL93670.1  Probable electron transfer flavoprotein-quinone oxidoreductase ydiS							
					675	159	675.0000	222.3471								
FN1545	0.334	10.149	2.383e-2	1.242e-1	32	28	41.6517	36.2572	AAL93671.1  Ferredoxin like protein							
					34	17	34.0000	23.7730								
FN1546	0.545	20.470	5.559e-4	1.409e-3	1041	730	1354.9828	945.2772	AAL93672.1  Protein Translation Elongation Factor G (EF-G)							
					1557	751	1557.0000	1050.2057								
FN1547	-0.863	14.636	2.552e-5	2.31e-5	95	165	123.6536	213.6585	AAL93673.1  PTS permease for N-acetylglucosamine and glucose							
					113	155	113.0000	216.7535								

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Proteins found: 1358

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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

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1548	-0.370	10.345	7.522e-2	4.322e-1	38	32	49.4614	41.4368	AAL93674.1  Hypothetical protein							
					14	29	14.0000	40.5539								
FN1549	-0.254	19.544	4.367e-2	2.407e-1	750	667	976.2124	863.6985	AAL93675.1  Stomatin like protein							
					625	748	625.0000	1046.0105								
FN1552	-0.844	7.184				12		15.5388	AAL93678.1  abortive phage resistance protein							
					9	12	9.0000	16.7809								
FN1553	-0.142	9.062	1.157e-1	6.955e-1	10	17	13.0162	22.0133	AAL93679.1  abortive phage resistance protein							
					31	19	31.0000	26.5698								
FN1554	-1.338	16.473	1.007e-4	1.577e-4	114	337	148.3843	436.3814	AAL93680.1  Fusobacterium outer membrane protein family							
					231	374	231.0000	523.0052								
FN1555	0.072	24.020	1.043e-2	4.901e-2	3291	3198	4283.6201	4141.0910	AAL93681.1  Protein Translation Elongation Factor Tu							
					4174	2792	4174.0000	3904.3599								
FN1556	-1.342	19.883	4.77e-4	1.154e-3	372	1210	484.2014	1566.8293	AAL93682.1  Protein Translation Elongation Factor G (EF-G)							
					751	1119	751.0000	1564.8205								
FN1557	0.505	13.816	6.96e-5	9.795e-5	113	79	147.0827	102.2971	AAL93683.1  SSU ribosomal protein S7P							
					139	71	139.0000	99.2871								
FN1560	0.726	15.424	1.205e-5	7.989e-6	200	133	260.3233	172.2217	AAL93686.1  unknown							
					279	110	279.0000	153.8251								
FN1562	-0.144	7.989	2.775e-2	1.468e-1	11	14	14.3178	18.1286	AAL93688.1  Phospho-2-dehydro-3-deoxyheptonate aldolase							
					16	11	16.0000	15.3825								
FN1576					5		6.5081		AAL93691.1  ATPases and helicase subunits involved in DNA replication							
FN1577	1.133	16.169	4.636e-5	5.509e-5	325	134	423.0254	173.5166	AAL93692.1  Rod shape-determining protein mreB							
					381	138	381.0000	192.9805								
FN1579	0.259	13.276	1.429e-2	7.063e-2	76	78	98.9229	101.0022	AAL93694.1  CysteinyI-tRNA synthetase							
					119	58	119.0000	81.1078								
FN1580	-1.373	4.543				6		7.7694	AAL93695.1  2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase							
					3		3.0000									
FN1581	0.409	11.994	2.001e-2	1.025e-1	67	37	87.2083	47.9113	AAL93696.1  DNA mismatch repair protein mutS							
					60	45	60.0000	62.9284								
FN1582	0.568	8.455			12		15.6194		AAL93697.1  Hypothetical protein							
					30	11	30.0000	15.3825								

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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

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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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1586					9		11.7145		AAL93701.1  O-succinylbenzoate-CoA synthase							
					9		9.0000									
FN1589	-0.798	10.823	3.784e-3	1.506e-2	25	37	32.5404	47.9113	AAL93704.1  LexA repressor							
					32	46	32.0000	64.3268								
FN1590					3		3.9048		AAL93705.1  Hypothetical lipoprotein							
					4		4.0000									
FN1591	-0.828	15.915	1.573e-3	5.135e-3	173	247	225.1797	319.8404	AAL93706.1  RNFB-related protein							
					148	245	148.0000	342.6104								
FN1592									AAL93707.1  Na(+)-translocating NADH-quinone reductase subunit D							
					6		6.0000									
FN1594	-0.772	11.027	3.114e-4	6.754e-4	23	49	29.9372	63.4501	AAL93709.1  Nitrogen fixation protein RNFG							
					40	40	40.0000	55.9364								
FN1595	-0.390	13.951	3.337e-3	1.283e-2	76	121	98.9229	156.6829	AAL93710.1  Na(+)-translocating NADH-quinone reductase subunit B							
					121	94	121.0000	131.4505								
FN1596	-1.721	19.116	5.396e-5	6.761e-5	359	1055	467.2803	1366.1198	AAL93711.1  Nitrogen fixation iron-sulphur protein RNFC							
					363	980	363.0000	1370.4415								
FN1597						11		14.2439	AAL93712.1  Peptidyl-tRNA hydrolase							
						14		19.5777								
FN1600	-0.202	5.714			5	6	6.5081	7.7694	AAL93715.1  tRNA pseudouridine synthase A							
					7		7.0000									
FN1601	0.726	5.694			5		6.5081		AAL93716.1  Hypothetical cytosolic protein							
					12	4	12.0000	5.5936								
FN1603	-2.466	6.871	4.153e-4	9.665e-4	4	22	5.2065	28.4878	AAL93718.1  2',3'-cyclic nucleotide 3'-phosphodiesterase							
					4	16	4.0000	22.3746								
FN1605	-0.305	16.915	9.648e-4	2.853e-3	240	314	312.3880	406.5987	AAL93720.1  Adenylosuccinate synthetase							
					320	268	320.0000	374.7738								
FN1606	-0.891	11.047	8.397e-5	1.259e-4	25	46	32.5404	59.5654	AAL93721.1  3-deoxy-D-manno-octulosonic-acid transferase							
					35	47	35.0000	65.7253								
FN1607	-0.342	8.914	5.076e-2	2.837e-1	10	22	13.0162	28.4878	AAL93722.1  Cytidylate kinase							
					26	15	26.0000	20.9761								
FN1608					7		9.1113		AAL93723.1  Ribosomal protein L11 methyltransferase							
					9		9.0000									

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Test Cutoff

q-Value

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.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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN1609	-3.883	8.192	1.548e-4	2.81e-4	3	55	3.9048	71.2195	AAL93724.1  Hypothetical protein					
					5	43	5.0000	60.1316						
FN1610	0.512	9.873	4.198e-4	9.797e-4	27	18	35.1436	23.3082	AAL93725.1  33 kDa chaperonin					
					38	20	38.0000	27.9682						
FN1611									AAL93726.1  Competence protein					
						3		4.1952						
FN1613	-0.305	8.802	5.135e-2	2.873e-1	10	19	13.0162	24.6031	AAL93728.1  Hypothetical protein					
					25	16	25.0000	22.3746						
FN1614	-1.318	9.373	3.635e-3	1.431e-2	12	25	15.6194	32.3725	AAL93729.1  MG(2+) chelatase family protein					
					17	35	17.0000	48.9443						
FN1616	-0.652	7.822				14		18.1286	AAL93731.1  N utilization substance protein B					
					12	14	12.0000	19.5777						
FN1618	0.513	10.982	2.119e-3	7.304e-3	38	29	49.4614	37.5521	AAL93733.1  Hypothetical protein					
					58	27	58.0000	37.7571						
FN1619	1.088	14.596	8.853e-3	4.044e-2	129	90	167.9085	116.5410	AAL93734.1  Hypothetical cytosolic protein					
					291	71	291.0000	99.2871						
FN1620	-1.141	18.170	5.5e-5	6.944e-5	296	589	385.2785	762.6962	AAL93735.1  SSU ribosomal protein S2P					
					346	608	346.0000	850.2331						
FN1621	-1.772	19.966	2.151e-6	5.041e-7	379	1389	493.3127	1798.6164	AAL93736.1  Protein Translation Elongation Factor Ts					
					602	1388	602.0000	1940.9927						
FN1622	-1.300	14.828	2.136e-3	7.376e-3	51	207	66.3824	268.0444	AAL93737.1  Uridylate kinase					
					151	191	151.0000	267.0963						
FN1623	-2.822	11.066	3.864e-4	8.838e-4	16	107	20.8259	138.5543	AAL93738.1  Ribosome Recycling Factor (RRF)					
					14	77	14.0000	107.6775						
FN1624	-2.311	10.807				70		90.6430	AAL93739.1  Protein translocase subunit secY					
					19	70	19.0000	97.8887						
FN1625	-1.252	13.608	3.134e-5	3.048e-5	59	140	76.7954	181.2860	AAL93740.1  LSU ribosomal protein L15P					
					68	117	68.0000	163.6139						
FN1626	-4.316	8.960				75		97.1175	AAL93741.1  LSU ribosomal protein L30P					
					5	73	5.0000	102.0839						
FN1627	-1.029	17.054	6.439e-6	2.95e-6	184	397	239.4974	514.0754	AAL93742.1  SSU ribosomal protein S5P					
					277	386	277.0000	539.7861						

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Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1628	-3.678	11.608			12	177	15.6194	229.1973	AAL93743.1  LSU ribosomal protein L18P							
						122		170.6060								
FN1629	-1.720	16.996	1.419e-6	2.647e-7	167	524	217.3700	678.5277	AAL93744.1  LSU ribosomal protein L6P							
					181	453	181.0000	633.4796								
FN1630	-0.930	13.178	2.757e-5	2.558e-5	58	108	75.4938	139.8492	AAL93745.1  SSU ribosomal protein S8P							
					64	90	64.0000	125.8569								
FN1631	-1.730	5.660			3	10	3.9048	12.9490	AAL93746.1  SSU ribosomal protein S14P							
FN1632	-0.907	16.744	6.301e-5	8.445e-5	208	367	270.7362	475.2284	AAL93747.1  LSU ribosomal protein L5P							
					213	309	213.0000	432.1086								
FN1634	-1.227	9.388			13	32	16.9210	41.4368	AAL93749.1  LSU ribosomal protein L24P							
						27		37.7571								
FN1635	-2.045	9.144	5.747e-6	2.393e-6	8	39	10.4129	50.5011	AAL93750.1  LSU ribosomal protein L14P							
					13	33	13.0000	46.1475								
FN1636	-0.115	12.651	8.779e-2	5.114e-1	60	76	78.0970	98.4124	AAL93751.1  SSU ribosomal protein S17P							
					76	49	76.0000	68.5221								
FN1637						18		23.3082	AAL93752.1  LSU ribosomal protein L29P							
						57		79.7094								
FN1638	-3.449	13.521	2.494e-5	2.24e-5	22	264	28.6356	341.8537	AAL93753.1  LSU ribosomal protein L16P							
					37	268	37.0000	374.7738								
FN1639	-1.073	18.973	3.058e-6	9.209e-7	355	778	462.0739	1007.4324	AAL93754.1  SSU ribosomal protein S3P							
					527	768	527.0000	1073.9787								
FN1640	-2.077	12.650	1.394e-6	2.562e-7	30	128	39.0485	165.7472	AAL93755.1  LSU ribosomal protein L22P							
					39	117	39.0000	163.6139								
FN1641	-3.818	12.292	1.272e-4	2.145e-4	9	225	11.7145	291.3526	AAL93756.1  SSU ribosomal protein S19P							
					26	172	26.0000	240.5265								
FN1642	-1.562	16.848	1.176e-5	7.651e-6	175	429	227.7829	555.5122	AAL93757.1  LSU ribosomal protein L2P							
					172	447	172.0000	625.0891								
FN1643	-1.515	11.817	4.153e-5	4.649e-5	30	78	39.0485	101.0022	AAL93758.1  LSU ribosomal protein L23P							
					32	73	32.0000	102.0839								
FN1644	-0.267	19.903	2.718e-4	5.627e-4	721	862	938.4655	1116.2040	AAL93759.1  LSU ribosomal protein L1E							
					867	755	867.0000	1055.7993								

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.005

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no	n/a	bars
yes	-	ratios, bars
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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1645	-2.777	15.931	4.367e-5	5.02e-5	76	528	98.9229	683.7073	AAL93760.1  LSU ribosomal protein L3P							
					92	447	92.0000	625.0891								
FN1646	-1.473	14.933	1.283e-6	2.219e-7	84	223	109.3358	288.7628	AAL93761.1  SSU ribosomal protein S10P							
					103	215	103.0000	300.6581								
FN1647	-1.901	15.663	6.584e-4	1.755e-3	82	384	106.7326	497.2417	AAL93762.1  Hypothetical protein							
					129	274	129.0000	383.1643								
FN1652	-1.609	13.990	1.009e-6	1.521e-7	60	167	78.0970	216.2483	AAL93767.1  Oligopeptide-binding protein oppA							
					68	164	68.0000	229.3392								
FN1654	1.958	11.991	2.458e-7	2.208e-8	98	23	127.5584	29.7827	AAL93769.1  Hypothetical protein							
					124	25	124.0000	34.9602								
FN1655	0.897	14.134	1.694e-2	8.536e-2	96	74	124.9552	95.8226	AAL93770.1  Hypothetical cytosolic protein							
					241	72	241.0000	100.6855								
FN1657	-2.064	13.610	1.355e-4	2.341e-4	41	188	53.3663	243.4412	AAL93772.1  SSU ribosomal protein S6P							
					56	153	56.0000	213.9567								
FN1658	-0.854	14.776	4.036e-4	9.329e-4	90	188	117.1455	243.4412	AAL93773.1  Prolyl-tRNA synthetase							
					132	148	132.0000	206.9646								
FN1660	-0.162	4.806							AAL93775.1  ATP-dependent DNA helicase recG							
			5	4	5.0000	5.5936										
FN1661	-1.264	10.098	4.791e-3	1.971e-2	19	49	24.7307	63.4501	AAL93776.1  Hypothetical cytosolic protein							
					18	28	18.0000	39.1555								
FN1662	-0.007	10.895	1.503e-1	9.397e-1	30	33	39.0485	42.7317	AAL93777.1  Hypothetical protein							
					48	32	48.0000	44.7491								
FN1663	-0.316	7.033	5.836e-2	3.294e-1	5	10	6.5081	12.9490	AAL93778.1  Hypothetical protein							
					14	9	14.0000	12.5857								
FN1666									AAL93781.1  Hypothetical protein							
						3		4.1952								
FN1667									AAL93782.1  dTDP-glucose 4,6-dehydratase							
					3		3.0000									
FN1668									AAL93783.1  Cholinephosphate cytidyltransferase							
					3		3.0000									
FN1670	-1.179	11.194	6.02e-5	7.896e-5	21	52	27.3339	67.3348	AAL93785.1  Choline kinase							
					37	56	37.0000	78.3109								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1671						5		6.4745												
						4		5.5936												
FN1676																				
					3		3.0000													
FN1679	0.683	17.706	1.196e-4	1.972e-4	423	258	550.5838	334.0843												
					621	283	621.0000	395.7499												
FN1683	-1.444	12.543	3.667e-5	3.829e-5	42	91	54.6679	117.8359												
					39	98	39.0000	137.0442												
FN1684	-0.478	16.316	1.065e-2	5.019e-2	146	257	190.0360	332.7894												
					294	244	294.0000	341.2120												
FN1685	-0.582	12.102	5.844e-3	2.477e-2	41	54	53.3663	69.9246												
					55	66	55.0000	92.2950												
FN1686	0.013	15.829	1.43e-1	8.869e-1	168	182	218.6716	235.6718												
					266	175	266.0000	244.7217												
FN1687	-0.434	15.507	1.237e-2	5.971e-2	117	221	152.2891	286.1730												
					219	154	219.0000	215.3551												
FN1688	-0.403	11.523	5.263e-3	2.194e-2	31	51	40.3501	66.0399												
					54	42	54.0000	58.7332												
FN1689	-1.273	17.395	6.858e-6	3.251e-6	226	484	294.1653	626.7317												
					240	475	240.0000	664.2446												
FN1690	-0.929	11.719	4.889e-4	1.191e-3	27	60	35.1436	77.6940												
					49	59	49.0000	82.5062												
FN1692	-0.777	12.069	4.528e-4	1.079e-3	37	71	48.1598	91.9379												
					52	57	52.0000	79.7094												
FN1693	-0.842	7.929	1.27e-3	3.976e-3	11	15	14.3178	19.4235												
					9	16	9.0000	22.3746												
FN1694	-1.700	12.483	1.062e-5	6.429e-6	33	108	42.9533	139.8492												
					41	95	41.0000	132.8489												
FN1695	-0.820	9.444	1.831e-3	6.132e-3	19	25	24.7307	32.3725												
					15	27	15.0000	37.7571												
FN1696	0.243	15.439	1.068e-2	5.038e-2	161	147	209.5603	190.3503												
					249	141	249.0000	197.1758												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios							
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6	
FN1697	-0.736	14.540	1.497e-3	4.847e-3	100	136	130.1617	176.1064													
					109	159	109.0000	222.3471													
FN1698	1.236	14.573	1.44e-4	2.542e-4	183	88	238.1958	113.9512													
					241	64	241.0000	89.4982													
FN1700	-1.688	5.619			3		3.9048														
						9		12.5857													
FN1701	-0.217	12.200	1.37e-2	6.722e-2	44	57	57.2711	73.8093													
					70	53	70.0000	74.1157													
FN1703	-0.011	14.808	1.465e-1	9.123e-1	144	133	187.4328	172.2217													
					150	120	150.0000	167.8092													
FN1704	-0.812	8.215	4.075e-5	4.509e-5	10	18	13.0162	23.3082													
					13	16	13.0000	22.3746													
FN1707						7		9.0643													
						4		5.5936													
FN1708	-0.649	18.681	3.79e-7	4.189e-8	406	634	528.4563	820.9668													
					507	574	507.0000	802.6872													
FN1711						14		18.1286													
						12		16.7809													
FN1713	1.188	7.325			14		18.2226														
					20	6	20.0000	8.3905													
FN1715					9		11.7145														
					9		9.0000														
FN1716																					
					5		5.0000														
FN1717	-2.513	10.140	1.731e-5	1.326e-5	7	57	9.1113	73.8093													
					19	62	19.0000	86.7014													
FN1718	-1.084	18.165	3.61e-4	8.134e-4	284	569	369.6591	736.7982													
					375	602	375.0000	841.8426													
FN1719	-0.008	17.678	1.521e-1	9.536e-1	405	341	527.1547	441.5610													
					386	341	386.0000	476.8577													
FN1722	-0.891	4.856	9.382e-3	4.335e-2	3	7	3.9048	9.0643													
					4	4	4.0000	5.5936													

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Enter (or paste) list of ORFs

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1723	-0.775	13.186	1.12e-3	3.41e-3	65	86	84.6051	111.3614	AAL93838.1   Glucose inhibited division protein A							
					63	101	63.0000	141.2394								
FN1724	1.009	8.673			11	11	14.3178	14.2439	AAL93839.1   Potassium uptake protein KtrA							
					43		43.0000									
FN1727					5		6.5081		AAL93842.1   Chloride channel protein							
FN1728	-1.320	7.878	3.995e-6	1.353e-6	8	18	10.4129	23.3082	AAL93843.1   Pyrrolidone-carboxylate peptidase							
					9	18	9.0000	25.1714								
FN1730	0.233	9.170	2.828e-3	1.042e-2	20	18	26.0323	23.3082	AAL93845.1   Para-aminobenzoate synthase component I							
					26	15	26.0000	20.9761								
FN1731					6		7.8097		AAL93846.1   Anthranilate synthase component II							
					6		6.0000									
FN1732	1.181	10.736	1.07e-3	3.228e-3	41	24	53.3663	31.0776	AAL93847.1   Hypothetical protein							
					71	17	71.0000	23.7730								
FN1733					9		11.7145		AAL93848.1   V-type sodium ATP synthase subunit D							
					22		22.0000									
FN1734	0.735	14.394	8.88e-5	1.348e-4	151	86	196.5441	111.3614	AAL93849.1   V-type sodium ATP synthase subunit B							
					182	83	182.0000	116.0680								
FN1735	1.703	13.940	3.393e-5	3.414e-5	184	49	239.4974	63.4501	AAL93850.1   V-type sodium ATP synthase subunit A							
					213	54	213.0000	75.5141								
FN1736	1.958	9.725	3.525e-5	3.611e-5	42	12	54.6679	15.5388	AAL93851.1   V-type sodium ATP synthase subunit A							
					60	10	60.0000	13.9841								
FN1737	0.730	7.235	8.316e-3	3.755e-2	12	5	15.6194	6.4745	AAL93852.1   V-type sodium ATP synthase subunit G							
					16	9	16.0000	12.5857								
FN1738	1.818	11.075	9.609e-5	1.487e-4	61	22	79.3986	28.4878	AAL93853.1   V-type sodium ATP synthase subunit C							
					95	15	95.0000	20.9761								
FN1739	-0.103	5.508			5		6.5081		AAL93854.1   V-type sodium ATP synthase subunit E							
						5		6.9920								
FN1740									AAL93855.1   V-type sodium ATP synthase subunit K							
					114		114.0000									
FN1741	0.833	9.603	2.926e-5	2.772e-5	28	15	36.4453	19.4235	AAL93856.1   V-type sodium ATP synthase subunit I							
					38	16	38.0000	22.3746								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN1745	2.001	7.212	1.028e-5	6.096e-6	19	4	24.7307	5.1796	AAL93860.1  Cystathionine gamma-synthase					
					24	5	24.0000	6.9920						
FN1746					8		10.4129		AAL93861.1  Cystathionine beta-lyase					
					15		15.0000							
FN1762					4		5.2065		AAL93875.1  Protein yaaA					
FN1763	2.008	10.242	9.797e-6	5.649e-6	55	16	71.5889	20.7184	AAL93876.1  Hypothetical cytosolic protein					
					68	10	68.0000	13.9841						
FN1764	0.963	24.808	9.803e-6	5.654e-6	5881	3002	7654.8070	3887.2905	AAL93877.1  Enolase					
					7477	2773	7477.0000	3877.7901						
FN1765	-0.922	19.718	1.549e-4	2.812e-4	535	933	696.3649	1208.1419	AAL93878.1  Pyruvate kinase					
					653	964	653.0000	1348.0670						
FN1780	-1.274	8.859	6.736e-5	9.32e-5	9	28	11.7145	36.2572	AAL93879.1  Hypothetical protein					
					16	22	16.0000	30.7650						
FN1781	-0.665	18.753	7.157e-5	1.022e-4	374	666	486.8046	862.4036	AAL93880.1  LytB protein					
					569	580	569.0000	811.0776						
FN1783									AAL93882.1  Ethanolamine utilization protein eutJ					
					8		8.0000							
FN1784	-0.466	9.445	1.392e-2	6.853e-2	13	22	16.9210	28.4878	AAL93883.1  unknown					
					28	24	28.0000	33.5618						
FN1785	-1.124	8.804			11	32	14.3178	41.4368	AAL93884.1  Hypothetical protein					
						15		20.9761						
FN1786	-0.867	11.781	8.295e-6	4.353e-6	36	60	46.8582	77.6940	AAL93885.1  ADP-heptose synthase					
					41	59	41.0000	82.5062						
FN1787	-2.366	10.179				60		77.6940	AAL93886.1  Tetratricopeptide repeat family protein					
					15	55	15.0000	76.9125						
FN1788	-0.505	8.757	3.007e-3	1.126e-2	13	21	16.9210	27.1929	AAL93887.1  2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase					
					18	16	18.0000	22.3746						
FN1790	3.530	7.668			23		29.9372		AAL93889.1  Cob(I)alamin adenosyltransferase					
					67	3	67.0000	4.1952						
FN1791					3		3.9048		AAL93890.1  Mutator MutT protein					
					5		5.0000							

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found: 1358

Enter (or paste) list of ORFs

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

Applies To: ratios, bars

Applies To: 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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1792	-0.244	22.170	3.243e-2	1.745e-1	1257	1765	1636.1320	2285.4989												
					2356	1746	2356.0000	2441.6234												
FN1793	0.619	15.293	1.327e-4	2.272e-4	201	131	261.6249	169.6319												
					235	110	235.0000	153.8251												
FN1794	-2.139	13.189	5.94e-5	7.745e-5	50	148	65.0808	191.6452												
					27	153	27.0000	213.9567												
FN1795																				
					12		12.0000													
FN1796	0.194	5.806																		
					8	5	8.0000	6.9920												
FN1797	-0.397	12.940	5.661e-3	2.387e-2	68	74	88.5099	95.8226												
					66	77	66.0000	107.6775												
FN1798	-1.055	6.832			6		7.8097													
					7	11	7.0000	15.3825												
FN1800	-0.041	15.581	1.268e-1	7.719e-1	141	172	183.5279	222.7228												
					253	162	253.0000	226.5424												
FN1801	1.049	8.356			20		26.0323													
						9		12.5857												
FN1803	0.128	6.488			6	7	7.8097	9.0643												
					12		12.0000													
FN1804	1.168	8.806	7.785e-3	3.476e-2	18	11	23.4291	14.2439												
					40	10	40.0000	13.9841												
FN1807	-1.080	16.630	3.196e-5	3.133e-5	186	348	242.1007	450.6253												
					196	340	196.0000	475.4593												
FN1808	-4.066	9.997			6	93	7.8097	120.4257												
						101		141.2394												
FN1809	-0.448	8.634	4.384e-2	2.418e-1	17	23	22.1275	29.7827												
					12	12	12.0000	16.7809												
FN1811	-2.238	10.721	4.003e-5	4.383e-5	16	73	20.8259	94.5277												
					17	60	17.0000	83.9046												
FN1812	-2.463	13.109	6.056e-6	2.629e-6	30	167	39.0485	216.2483												
					41	161	41.0000	225.1440												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios				
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2
FN1813	-2.467	8.610	4.626e-5	5.489e-5	6	34	7.8097	44.0266	AAL93912.1  Manganese-binding protein					
					9	35	9.0000	48.9443						
FN1814	-1.854	8.615			8	29	10.4129	37.5521	AAL93913.1  Hypothetical protein					
						27		37.7571						
FN1816	1.563	8.052				6		7.7694	AAL93915.1  unknown					
					28	8	28.0000	11.1873						
FN1817	-0.484	5.654							AAL93916.1  Hemolysin					
					6	6	6.0000	8.3905						
FN1819						8		10.3592	AAL93918.1  Export ABC transporter					
						12		16.7809						
FN1820						8		10.3592	AAL93919.1  Export ABC transporter					
						6		8.3905						
FN1822						16		20.7184	AAL93921.1  Flavodoxin					
						10		13.9841						
FN1826	-1.115	11.313	5.451e-4	1.375e-3	25	52	32.5404	67.3348	AAL93925.1  Protease					
					36	58	36.0000	81.1078						
FN1827	0.562	12.697	3.596e-3	1.412e-2	83	42	108.0342	54.3858	AAL93926.1  Replicative DNA helicase					
					90	57	90.0000	79.7094						
FN1828	-1.611	11.985	1.875e-4	3.539e-4	26	79	33.8420	102.2971	AAL93927.1  LSU ribosomal protein L9P					
					39	86	39.0000	120.2632						
FN1830	0.831	10.973	7.067e-3	3.105e-2	55	26	71.5889	33.6674	AAL93929.1  DNA polymerase III subunits gamma and tau					
					48	24	48.0000	33.5618						
FN1831	0.765	13.132	3.158e-6	9.818e-7	93	55	121.0503	71.2195	AAL93930.1  Nitrogen assimilation regulatory protein					
					126	53	126.0000	74.1157						
FN1832					6		7.8097		AAL93931.1  TonB protein					
FN1834	-1.470	10.736	1.335e-5	9.22e-6	22	50	28.6356	64.7450	AAL93933.1  Biopolymer transport exbB protein					
					21	52	21.0000	72.7173						
FN1836	-1.081	12.848	2.971e-5	2.831e-5	40	100	52.0647	129.4900	AAL93935.1  Tetratricopeptide repeat family protein					
					66	86	66.0000	120.2632						
FN1839	2.490	17.447	1.467e-3	4.729e-3	914	135	1189.6775	174.8115	AAL93938.1  Glycerol kinase					
					814	130	814.0000	181.7933						

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

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	-	

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1840	1.229	11.257	8.826e-6	4.817e-6	58	24	75.4938	31.0776	AAL93939.1  Dihydroxyacetone kinase							
					76	24	76.0000	33.5618								
FN1841	-1.358	8.103	9.292e-3	4.284e-2	9	14	11.7145	18.1286	AAL93940.1  Dihydroxyacetone kinase							
					9	25	9.0000	34.9602								
FN1842	0.002	9.721	1.576e-1	9.943e-1	17	20	22.1275	25.8980	AAL93941.1  Dihydroxyacetone kinase phosphotransfer protein							
					36	23	36.0000	32.1634								
FN1844	-0.425	7.186			8		10.4129		AAL93943.1  Ketoacyl reductase hetN							
						10		13.9841								
FN1847	1.144	7.764	3.63e-3	1.429e-2	16	11	20.8259	14.2439	AAL93946.1  DTD-4-dehydrorhamnose 3,5-epimerase							
					23	4	23.0000	5.5936								
FN1849	0.102	9.988	1.094e-1	6.529e-1	20	27	26.0323	34.9623	AAL93948.1  Coenzyme F390 synthetase							
					40	19	40.0000	26.5698								
FN1850	2.599	8.646	5.51e-3	2.313e-2	25	5	32.5404	6.4745	AAL93949.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
					66	7	66.0000	9.7889								
FN1851	1.168	13.475	6.998e-5	9.877e-5	129	57	167.9085	73.8093	AAL93950.1  Ribonuclease PH							
					152	49	152.0000	68.5221								
FN1852	-0.796	10.238	1.207e-2	5.8e-2	29	34	37.7469	44.0266	AAL93951.1  unknown							
					15	34	15.0000	47.5459								
FN1853	-0.311	7.446	1.997e-2	1.022e-1	9	13	11.7145	16.8337	AAL93952.1  Methylaspartate mutase							
					12	9	12.0000	12.5857								
FN1854	-0.685	11.090	4.229e-3	1.713e-2	22	45	28.6356	58.2705	AAL93953.1  Methylaspartate mutase							
					45	43	45.0000	60.1316								
FN1855					4		5.2065		AAL93954.1  Methylaspartate mutase							
					7		7.0000									
FN1856	0.079	23.790	1.052e-1	6.249e-1	2497	2855	3250.1366	3696.9402	AAL93955.1  Butyrate-acetoacetate CoA-transferase subunit B							
					4579	2657	4579.0000	3715.5746								
FN1857	0.978	20.153	6.443e-6	2.954e-6	1208	633	1572.3528	819.6719	AAL93956.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
					1459	514	1459.0000	718.7826								
FN1858						60		77.6940	AAL93957.1  Short-chain fatty acids transporter							
						59		82.5062								
FN1859	1.188	25.876	6.908e-3	3.021e-2	11444	4473	14895.699	5792.0888	AAL93958.1  Major outer membrane protein							
					8794	3294	8794.0000	4606.3616								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn								
														-6	-4	-2	0	2	4	6
FN1860	-0.166	9.450	8.739e-2	5.089e-1	23	26	29.9372	33.6674	AAL93959.1  NA+/H+ antiporter NHAC											
					20	16	20.0000	22.3746												
FN1862	-1.177	14.864	2.363e-5	2.073e-5	82	211	106.7326	273.2240	AAL93961.1  L-beta-lysine 5,6-aminomutase beta subunit											
					123	176	123.0000	246.1201												
FN1863	-0.558	16.269	7.702e-4	2.175e-3	183	246	238.1958	318.5455	AAL93962.1  L-beta-lysine 5,6-aminomutase alpha subunit											
					225	260	225.0000	363.5865												
FN1864	-2.269	7.056	2.158e-3	7.469e-3	5	24	6.5081	31.0776	AAL93963.1  DNA mismatch repair protein mutS											
					4	14	4.0000	19.5777												
FN1865						4		5.1796	AAL93964.1  Hypothetical protein											
FN1866	-0.891	20.673	3.507e-5	3.583e-5	722	1326	939.7672	1717.0377	AAL93965.1  Lysine 2,3-aminomutase											
					959	1291	959.0000	1805.3469												
FN1867	-1.299	18.415	7.08e-6	3.409e-6	281	736	365.7543	953.0466	AAL93966.1  Zn-dependent alcohol dehydrogenases and related dehydrogenases											
					388	645	388.0000	901.9743												
FN1868	-1.524	14.040	1.152e-4	1.877e-4	60	179	78.0970	231.7871	AAL93967.1  Hypothetical cytosolic protein											
					75	149	75.0000	208.3630												
FN1869	-1.440	14.549	9.958e-5	1.555e-4	63	180	82.0018	233.0820	AAL93968.1  Hypothetical protein											
					106	198	106.0000	276.8851												
FN1870						6		8.3905	AAL93969.1  unknown											
FN1871						9		11.6541	AAL93970.1  unknown											
FN1872	-2.280	6.924				17		22.0133	AAL93971.1  unknown											
					5	19	5.0000	26.5698												
FN1873	-2.301	10.116	1.864e-5	1.482e-5	10	57	13.0162	73.8093	AAL93972.1  Bis(5'-nucleosyl)-tetraphosphatase											
					17	53	17.0000	74.1157												
FN1874	-1.455	10.186	3.119e-5	3.028e-5	14	43	18.2226	55.6807	AAL93973.1  Ribose 5-phosphate isomerase											
					23	41	23.0000	57.3348												
FN1875	0.587	14.875	4.876e-3	2.011e-2	159	131	206.9570	169.6319	AAL93974.1  Peptidyl-prolyl cis-trans isomerase											
					218	81	218.0000	113.2712												
FN1878						11		14.2439	AAL93977.1  unknown											
						9		12.5857												

Show detected proteins only  
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Proteins found: 1358

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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

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

Protein	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1879						33		46.1475	AAL93978.1  SSU ribosomal protein S20P							
FN1880	1.246	12.413	1.623e-3	5.324e-3	101	33	131.4633	42.7317	AAL93979.1  Oxygen-insensitive NAD(P)H nitroreductase							
FN1881					8		10.4129		AAL93980.1  Esterase							
FN1884						55		71.2195	AAL93983.1  unknown							
FN1890						8		10.3592	AAL93989.1  Hypothetical protein							
FN1891	1.317	8.923	3.924e-4	9.01e-4	25	14	32.5404	18.1286	AAL93990.1  Glycerophosphoryl diester phosphodiesterase							
FN1893	-0.896	18.566	4.388e-6	1.551e-6	336	648	437.3432	839.0954	AAL93991.1  Fusobacterium outer membrane protein family							
FN1898	-0.046	11.871	1.335e-1	8.185e-1	38	55	49.4614	71.2195	AAL93997.1  Sugar transport ATP-binding protein							
FN1899	0.424	15.968	6.625e-4	1.77e-3	230	181	299.3718	234.3769	AAL93998.1  Hypothetical lipoprotein							
FN1901					8		8.0000		AAL94000.1  Transcription regulator, CRP family							
FN1902	-0.543	9.769	8.229e-3	3.709e-2	23	27	29.9372	34.9623	AAL94001.1  Deoxycytidylate deaminase							
FN1903						55		71.2195	AAL94002.1  Coenzyme A disulfide reductase/ disulfide bond regulator domain							
FN1905	-0.069	4.069			4	3	4.0000	4.1952	AAL94004.1  outer membrane protein							
FN1906	0.904	17.655	3.077e-3	1.158e-2	408	257	531.0596	332.7894	AAL94005.1  Cytosol aminopeptidase							
FN1908	0.545	16.741	6.616e-4	1.767e-3	330	233	429.5335	301.7118	AAL94007.1  Glycerophosphoryl diester phosphodiesterase							
FN1909	-1.182	13.653	2.194e-5	1.868e-5	52	129	67.6841	167.0421	AAL94008.1  UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1910	-1.868	15.301	2.212e-4	4.327e-4	107	257	139.2730	332.7894												
					71	311	71.0000	434.9054												
FN1911	-0.044	21.247	1.147e-1	6.882e-1	1320	1318	1718.1339	1706.6785												
					1389	1070	1389.0000	1496.2984												
FN1912	-1.482	8.543	3.111e-4	6.746e-4	7	25	9.1113	32.3725												
					14	23	14.0000	32.1634												
FN1913	-0.721	12.805	9.018e-4	2.628e-3	49	77	63.7792	99.7073												
					68	84	68.0000	117.4664												
FN1914	-0.288	13.220	8.128e-3	3.655e-2	69	76	89.8115	98.4124												
					87	84	87.0000	117.4664												
FN1917	1.633	5.771			10		13.0162													
						3		4.1952												
FN1918	0.327	12.767	1.635e-5	1.22e-5	73	59	95.0180	76.3991												
					92	52	92.0000	72.7173												
FN1919	-2.663	9.083	2.691e-6	7.264e-7	5	43	6.5081	55.6807												
					12	44	12.0000	61.5300												
FN1920																				
					4		4.0000													
FN1922	-0.162	6.865	2.667e-4	5.49e-4	8	9	10.4129	11.6541												
					10	8	10.0000	11.1873												
FN1923	-0.788	3.958				4		5.1796												
					3		3.0000													
FN1926	0.441	12.145	1.104e-5	6.865e-6	59	46	76.7954	59.5654												
					80	40	80.0000	55.9364												
FN1927	1.612	15.520	5.807e-5	7.498e-5	272	104	354.0397	134.6696												
					404	81	404.0000	113.2712												
FN1928	0.431	8.043			9		11.7145													
					26	10	26.0000	13.9841												
FN1929	0.184	12.529	1.035e-1	6.135e-1	46	38	59.8744	49.2062												
					104	68	104.0000	95.0919												
FN1931	1.095	6.306				4		5.1796												
					13	5	13.0000	6.9920												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1933	-0.669	7.482	2.596e-2	1.364e-1	4	12	5.2065	15.5388	AAL94032.1  Hypothetical protein							
					16	13	16.0000	18.1793								
FN1935	-0.378	6.688	5.619e-2	3.163e-1	6	6	7.8097	7.7694	AAL94034.1  Adenine-specific methyltransferase							
					10	11	10.0000	15.3825								
FN1939	-0.375	7.536	5.459e-2	3.067e-1	13	11	16.9210	14.2439	AAL94038.1  Hypothetical protein							
					7	12	7.0000	16.7809								
FN1941	1.994	15.848	1.202e-3	3.715e-3	314	94	408.7076	121.7206	AAL94040.1  ClpB protein							
					561	87	561.0000	121.6616								
FN1942	-0.373	4.373				4		5.1796	AAL94041.1  putative DNA-binding protein							
					4		4.0000									
FN1943	1.724	22.081	1.794e-5	1.398e-5	2836	929	3691.3846	1202.9623	AAL94042.1  Tryptophanase							
					3965	797	3965.0000	1114.5325								
FN1948					10		13.0162		AAL94044.1  Hypothetical protein							
					6		6.0000									
FN1949	2.545	9.559	1.518e-7	1.049e-8	52	10	67.6841	12.9490	AAL94045.1  Xaa-Pro dipeptidase							
					65	7	65.0000	9.7889								
FN1950						55		71.2195	AAL94046.1  Serine protease							
						43		60.1316								
FN1951	-0.914	4.914				3		3.8847	AAL94047.1  ATPase associated with chromosome architecture/replication							
					4	8	4.0000	11.1873								
FN1956					10		13.0162		AAL94052.1  Hypothetical protein							
					13		13.0000									
FN1964	-1.125	8.710	1.536e-4	2.78e-4	9	24	11.7145	31.0776	AAL94054.1  O-linked GLCNAC transferase							
					16	21	16.0000	29.3666								
FN1965	0.148	10.770	9.843e-2	5.801e-1	43	30	55.9695	38.8470	AAL94055.1  Tetratricopeptide repeat family protein							
					32	29	32.0000	40.5539								
FN1966	0.307	12.286	1.663e-2	8.362e-2	67	42	87.2083	54.3858	AAL94056.1  Hypothetical protein							
					70	52	70.0000	72.7173								
FN1970						4		5.1796	AAL94060.1  Hemin-binding periplasmic protein hmuT precursor							
						5		6.9920								
FN1971	-1.568	7.478	9.772e-4	2.897e-3	5	15	6.5081	19.4235	AAL94061.1  Hemin receptor							
					9	19	9.0000	26.5698								

Show detected proteins only  
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 Filter by category:

Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1972	1.441	8.932	1.657e-2	8.333e-2	16	11	20.8259	14.2439	AAL94062.1  unknown							
					52	9	52.0000	12.5857		■						
FN1973	0.927	10.956	5.059e-3	2.097e-2	56	24	72.8905	31.0776	AAL94063.1  Translation initiation inhibitor							
					50	24	50.0000	33.5618		■						
FN1974	-0.437	6.052				6		7.7694	AAL94064.1  DNA/RNA helicase (DEAD/DEAH BOX family)							
					7	8	7.0000	11.1873		■						
FN1975	-0.734	14.551	6.127e-4	1.597e-3	107	164	139.2730	212.3636	AAL94065.1  ATP-dependent RNA helicase							
					101	134	101.0000	187.3869		■						
FN1976	0.411	11.821	1.555e-2	7.767e-2	62	46	80.7002	59.5654	AAL94066.1  4-amino-4-deoxychorismate lyase							
					58	32	58.0000	44.7491		■						
FN1977	0.169	6.403	1.065e-1	6.335e-1	5	8	6.5081	10.3592	AAL94067.1  Cell cycle protein MesJ							
					13	5	13.0000	6.9920		■						
FN1978	-1.358	14.502	1.201e-5	7.948e-6	64	178	83.3035	230.4922	AAL94068.1  Cell division protein ftsH							
					107	184	107.0000	257.3074		■						
FN1979						75		97.1175	AAL94069.1  SSU ribosomal protein S15P							
						86		120.2632								
FN1980					4		5.2065		AAL94070.1  Transporter							
FN1983	-1.088	16.748	5.663e-6	2.333e-6	186	380	242.1007	492.0621	AAL94073.1  Alkyl hydroperoxide reductase C22 protein							
					213	340	213.0000	475.4593		■						
FN1984	-0.591	16.170	4.172e-4	9.723e-4	154	276	200.4490	357.3925	AAL94074.1  Thioredoxin reductase							
					242	221	242.0000	309.0485		■						
FN1985	-0.248	13.209	2.038e-2	1.046e-1	65	72	84.6051	93.2328	AAL94075.1  Inner membrane protein							
					94	85	94.0000	118.8648		■						
FN1986	-0.445	16.161	1.66e-2	8.349e-2	222	248	288.9589	321.1353	AAL94076.1  Hypothetical protein							
					175	222	175.0000	310.4470		■						
FN1987	-0.299	5.469				6		7.7694	AAL94077.1  Transcriptional regulator, GntR family							
					6	5	6.0000	6.9920		■						
FN1988	4.705	16.346	1.624e-3	5.33e-3	1391	43	1810.5486	55.6807	AAL94078.1  Tyrosine phenol-lyase							
					1137	41	1137.0000	57.3348		■						
FN1989					12		15.6194		AAL94079.1  Sodium-dependent tyrosine transporter							
					8		8.0000									

Show detected proteins only  
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Proteins found: 1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN1991	-0.176	17.229	1.402e-2	6.907e-2	260	326	338.4203	422.1375	AAL94081.1  Glucosamine-1-phosphate acetyltransferase							
					399	294	399.0000	411.1325								
FN1992	0.654	16.533	5.373e-3	2.247e-2	340	187	442.5496	242.1463	AAL94082.1  Ribose-phosphate pyrophosphokinase							
					330	178	330.0000	248.9169								
FN1993	-0.248	5.142			3	5	3.9048	6.4745	AAL94083.1  SUA5 protein							
					7		7.0000									
FN1994	-1.234	10.496	1.32e-2	6.439e-2	35	49	45.5566	63.4501	AAL94084.1  Hypothetical protein							
					4	38	4.0000	53.1396								
FN1995						6		7.7694	AAL94085.1  Hypothetical protein							
						8		11.1873								
FN2001	0.893	7.921	1.367e-3	4.347e-3	18	9	23.4291	11.6541	AAL94091.1  Hypothetical protein							
					19	8	19.0000	11.1873								
FN2002									AAL94092.1  Permease							
					3		3.0000									
FN2007	-1.896	7.321	1.205e-3	3.725e-3	7	15	9.1113	19.4235	AAL94097.1  Glutathione peroxidase							
					4	21	4.0000	29.3666								
FN2008	0.312	4.449			4		5.2065		AAL94098.1  Glycine betaine transport ATP-binding protein							
						3		4.1952								
FN2009					6		7.8097		AAL94099.1  Glycine betaine transport system permease protein							
					8		8.0000									
FN2011	-0.766	14.767	1.108e-2	5.252e-2	60	171	78.0970	221.4279	AAL94101.1  Valyl-tRNA synthetase							
					178	153	178.0000	213.9567								
FN2013	-0.050	5.340			5	5	6.5081	6.4745	AAL94103.1  GTP-binding protein							
					6		6.0000									
FN2014	-1.139	15.688	8.765e-6	4.761e-6	128	275	166.6069	356.0976	AAL94104.1  ATP-dependent protease La							
					143	233	143.0000	325.8295								
FN2015	-0.392	14.086	2.191e-3	7.61e-3	97	108	126.2568	139.8492	AAL94105.1  ATP-dependent clp protease ATP-binding subunit clpX							
					104	116	104.0000	162.2155								
FN2016	-1.657	9.704	6.144e-5	8.136e-5	15	36	19.5242	46.6164	AAL94106.1  ATP-dependent Clp protease proteolytic subunit							
					13	40	13.0000	55.9364								
FN2017	-1.253	18.465	1.917e-5	1.548e-5	273	728	355.3413	942.6874	AAL94107.1  Trigger factor, ppiase							
					424	654	424.0000	914.5600								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1358

Test Cutoff

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN2018	-1.817	9.504	3.3e-5	3.28e-5	9	36	11.7145	46.6164	AAL94108.1  Single-stranded-DNA-specific exonuclease recJ							
					17	39	17.0000	54.5380								
FN2019	-3.061	8.231				32		41.4368	AAL94109.1  Ribosome-binding factor A							
					6	42	6.0000	58.7332								
FN2020	0.002	16.611	1.571e-1	9.905e-1	196	242	255.1168	313.3659	AAL94110.1  Bacterial Protein Translation Initiation Factor 2 (IF-2)							
					378	228	378.0000	318.8374								
FN2022	-0.330	13.326	4.754e-4	1.149e-3	72	88	93.7164	113.9512	AAL94112.1  N utilization substance protein A							
					87	81	87.0000	113.2712								
FN2023	0.634	7.675	2.435e-3	8.665e-3	12	8	15.6194	10.3592	AAL94113.1  Hypothetical cytosolic protein							
					20	9	20.0000	12.5857								
FN2030	-2.696	13.977	1.006e-4	1.575e-4	39	265	50.7630	343.1486	AAL94115.1  Inorganic pyrophosphatase							
					49	217	49.0000	303.4549								
FN2031	-2.199	6.199				10		12.9490	AAL94116.1  Thiamine biosynthesis lipoprotein appE							
					4	17	4.0000	23.7730								
FN2033	-0.528	7.929				16		20.7184	AAL94118.1  Guanylate kinase							
					13	12	13.0000	16.7809								
FN2034	-0.761	8.605	3.446e-3	1.336e-2	11	17	14.3178	22.0133	AAL94119.1  Protein yicC							
					16	21	16.0000	29.3666								
FN2035	-0.199	18.360	1.235e-2	5.959e-2	453	490	589.6323	634.5011	AAL94120.1  DNA-directed RNA polymerase beta' chain							
					493	435	493.0000	608.3082								
FN2036	-0.392	17.925	8.896e-4	2.585e-3	318	469	413.9141	607.3082	AAL94121.1  DNA-directed RNA polymerase beta chain							
					457	383	457.0000	535.5909								
FN2037	-0.522	19.081	2.186e-2	1.13e-1	315	682	410.0092	883.1220	AAL94122.1  LSU ribosomal protein L12P (L7/L12)							
					833	645	833.0000	901.9743								
FN2038	-1.449	15.646	1.934e-3	6.543e-3	103	242	134.0665	313.3659	AAL94123.1  LSU ribosomal protein L10P							
					140	311	140.0000	434.9054								
FN2039	-0.652	16.992	1.718e-3	5.69e-3	252	349	328.0074	451.9202	AAL94124.1  LSU ribosomal protein L1P							
					248	324	248.0000	453.0847								
FN2040	-2.637	11.403	5.239e-4	1.306e-3	19	114	24.7307	147.6186	AAL94125.1  LSU ribosomal protein L11P							
					17	80	17.0000	111.8728								
FN2041	-1.140	10.526	2.006e-4	3.838e-4	19	47	24.7307	60.8603	AAL94126.1  Transcription antitermination protein nusG							
					27	38	27.0000	53.1396								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

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	FnSg vs Fn				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN2045					7		9.1113						AAL94129.1  Ferric uptake regulation protein							
					17		17.0000													
FN2046					16		20.8259						AAL94130.1  Acetyltransferase							
					14		14.0000													
FN2047	-2.828	16.814	1.022e-6	1.554e-7	92	685	119.7487	887.0067					AAL94131.1  Fusobacterium outer membrane protein family							
					135	659	135.0000	921.5520												
FN2048	0.460	16.509	4.768e-2	2.649e-1	180	198	234.2910	256.3902					AAL94132.1  Outer membrane protein							
					482	189	482.0000	264.2994												
FN2049	0.575	17.548	2.44e-4	4.894e-4	430	270	559.6951	349.6231					AAL94133.1  unknown							
					509	263	509.0000	367.7818												
FN2050	-2.496	13.698	1.488e-4	2.659e-4	40	195	52.0647	252.5055					AAL94134.1  Hypothetical membrane-spanning protein							
					45	211	45.0000	295.0644												
FN2051	-0.996	13.556	3.358e-3	1.293e-2	81	113	105.4309	146.3237					AAL94135.1  unknown							
					50	117	50.0000	163.6139												
FN2052	-1.817	14.263	4.337e-4	1.021e-3	81	210	105.4309	271.9291					AAL94136.1  unknown							
					44	182	44.0000	254.5106												
FN2053	-0.412	11.942	8.627e-3	3.921e-2	49	61	63.7792	78.9889					AAL94137.1  Serine/threonine sodium symporter							
					45	47	45.0000	65.7253												
FN2054	-1.117	14.807	4.601e-5	5.443e-5	96	195	124.9552	252.5055					AAL94138.1  Glucose-6-phosphate isomerase							
					105	176	105.0000	246.1201												
FN2058	-1.249	16.655	1.385e-6	2.534e-7	155	374	201.7506	484.2927					AAL94142.1  Fusobacterium outer membrane protein family							
					215	362	215.0000	506.2243												
FN2059	0.460	16.509	4.768e-2	2.649e-1	180	198	234.2910	256.3902					AAL94143.1  Outer membrane protein							
					482	189	482.0000	264.2994												
FN2060	0.575	17.548	2.44e-4	4.894e-4	430	270	559.6951	349.6231					AAL94144.1  unknown							
					509	263	509.0000	367.7818												
FN2061	-2.496	13.698	1.488e-4	2.659e-4	40	195	52.0647	252.5055					AAL94145.1  Hypothetical membrane-spanning protein							
					45	211	45.0000	295.0644												
FN2062	-0.996	13.556	3.358e-3	1.293e-2	81	113	105.4309	146.3237					AAL94146.1  unknown							
					50	117	50.0000	163.6139												
FN2063	-1.817	14.263	4.337e-4	1.021e-3	81	210	105.4309	271.9291					AAL94147.1  unknown							
					44	182	44.0000	254.5106												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1358

Enter (or paste) list of ORFs

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN2067	-0.420	5.590			6	7	6.0000	9.0643	AAL94151.1  Thiol:disulfide interchange protein tlpA							
FN2068	1.442	7.210	2.632e-2	1.385e-1	31	6	31.0000	7.7694	AAL94152.1  dGTP triphosphohydrolase							
FN2069						4		5.5936	AAL94153.1  Amino acid carrier protein alsT							
FN2070	-0.680	8.083	4.726e-6	1.736e-6	10	16	13.0162	20.7184	AAL94154.1  Cobyric acid synthase							
FN2073	1.727	10.592	2.867e-3	1.06e-2	43	15	55.9695	19.4235	AAL94157.1  Adenine phosphoribosyltransferase							
FN2075	-1.773	10.224	6.886e-4	1.864e-3	8	48	10.4129	62.1552	AAL94159.1  Hypothetical protein							
FN2078	0.627	5.373			8	4	8.0000	5.1796	AAL94162.1  Transcriptional regulator, DeoR family							
FN2081						20		25.8980	AAL94165.1  ABC transporter substrate-binding protein							
FN2082	0.195	21.152	1.292e-2	6.282e-2	1156	1045	1504.6687	1353.1708	AAL94166.1  Formate--tetrahydrofolate ligase							
FN2093	-1.909	9.515	7.33e-5	1.061e-4	13	41	16.9210	53.0909	AAL94177.1  General secretion pathway protein G							
FN2098					7		9.1113		AAL94182.1  MRP-family nucleotide-binding protein							
FN2100	-1.352	10.984	5.926e-8	2.217e-9	21	56	27.3339	72.5144	AAL94184.1  Hypothetical protein							
FN2102	0.005	9.342	1.537e-1	9.65e-1	20	22	26.0323	28.4878	AAL94186.1  ABC transporter ATP-binding protein							
FN2103	-0.489	19.701	5.074e-4	1.251e-3	651	873	847.3524	1130.4479	AAL94187.1  tricarboxylate-binding protein							
FN2105						12		15.5388	AAL94189.1  tricarboxylate transport membrane protein RctA							
FN2106	-0.528	14.281	5.001e-4	1.227e-3	96	131	124.9552	169.6319	AAL94190.1  Transporter							

Show detected proteins only  
 Show all proteins  
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Proteins found: 1358

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	FnSg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnSg	Fn	FnSg	Fn		-6	-4	-2	0	2	4	6
FN2107	-2.959	10.249	4.61e-4	1.104e-3	10	66	13.0162	85.4634	AAL94191.1  Galactokinase							
					12	78	12.0000	109.0760								
FN2108	-1.343	9.826	9.941e-4	2.957e-3	16	32	20.8259	41.4368	AAL94192.1  Galactose-1-phosphate uridylyltransferase							
					17	39	17.0000	54.5380								
FN2109	-0.173	11.703	9.735e-3	4.533e-2	39	45	50.7630	58.2705	AAL94193.1  UDP-glucose 4-epimerase							
					58	46	58.0000	64.3268								
FN2116	-2.952	10.112	5.602e-6	2.29e-6	13	76	16.9210	98.4124	AAL94200.1  Hypothetical exported 24-amino acid repeat protein							
					7	62	7.0000	86.7014								
FN2117	-1.371	7.711				23		29.7827	AAL94201.1  Hypothetical exported 24-amino acid repeat protein							
					9	12	9.0000	16.7809								
FN2118	-3.296	8.466				50		64.7450	AAL94202.1  Hypothetical exported 24-amino acid repeat protein							
					6	38	6.0000	53.1396								
FN2119	-1.111	9.452	7.31e-4	2.023e-3	10	32	13.0162	41.4368	AAL94203.1  Hypothetical exported 24-amino acid repeat protein							
					23	26	23.0000	36.3587								
FN2120						24		31.0776	AAL94204.1  Hypothetical exported 24-amino acid repeat protein							
						30		41.9523								
FN2121	-4.149	11.554			10	171	13.0162	221.4279	AAL94205.1  Hypothetical exported 24-amino acid repeat protein							
						172		240.5265								
FN2122	-0.033	16.936	3.383e-2	1.829e-1	275	280	357.9446	362.5721	AAL94206.1  Phenylalanyl-tRNA synthetase beta chain							
					342	253	342.0000	353.7977								
FN2123	0.116	13.623	1.097e-1	6.545e-1	66	77	85.9067	99.7073	AAL94207.1  Phenylalanyl-tRNA synthetase alpha chain							
					148	83	148.0000	116.0680								
FN2125	-1.475	13.917	6.497e-5	8.833e-5	57	154	74.1921	199.4146	AAL94209.1  DNA gyrase subunit A							
					75	154	75.0000	215.3551								
FN2126	-2.209	11.693	9.972e-5	1.558e-4	15	95	19.5242	123.0155	AAL94210.1  DNA gyrase subunit B							
					34	89	34.0000	124.4585								
FN2128						3		3.8847	AAL94212.1  RECF protein							

Show detected proteins only  
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Proteins found: 1358

Enter (or paste) list of ORFs

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