

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0001	-0.861	8.211	5.373e-2	9.891e-2	15	22	20.5521	26.7235	AAL94214.1  Chromosomal replication initiator protein dnaA							
					5	15	5.0000	19.6771								
FN0004	-0.611	11.841				66		80.1706	AAL94217.1  Inner membrane protein							
					49	53	49.0000	69.5257								
FN0005	-2.353	9.381	1.156e-3	5.965e-4	5	41	6.8507	49.8030	AAL94218.1  Jag protein							
					16	51	16.0000	66.9021								
FN0006	-0.118	8.902				17		20.6500	AAL94219.1  Thiophene and furan oxidation protein THDF							
					21	19	21.0000	24.9243								
FN0007	-1.490	8.166	7.004e-4	2.603e-4	6	23	8.2208	27.9382	AAL94220.1  Glucose inhibited division protein A							
					12	22	12.0000	28.8597								
FN0008									AAL94221.1  Quinolinate synthetase A							
					13		13.0000									
FN0009									AAL94222.1  L-aspartate oxidase							
					29		29.0000									
FN0017						6		7.2882	AAL94230.1  Hypothetical protein							
						7		9.1826								
FN0018	-1.322	10.369				45		54.6618	AAL94231.1  Hypothetical protein							
					23	46	23.0000	60.3430								
FN0019									AAL94232.1  Transcription-repair coupling factor							
						3		3.9354								
FN0021									AAL94234.1  4-diphosphocytidyl-2-C-methyl-D-erythritol kinase							
						5		6.5590								
FN0022	0.356	12.744	2.373e-1	6.936e-1	128	59	175.3779	71.6677	AAL94235.1  Hypothetical protein							
					12	57	12.0000	74.7729								
FN0023									AAL94236.1  Short-chain fatty acids transporter							
					11		11.0000									
FN0024	-2.410	10.338	2.211e-4	4.451e-5	6	75	8.2208	91.1030	AAL94237.1  Hypothetical exported 24-amino acid repeat protein							
					23	57	23.0000	74.7729								
FN0025	-2.614	8.229				36		43.7294	AAL94238.1  Hypothetical exported 24-amino acid repeat protein							
					7	32	7.0000	41.9778								
FN0026						9		10.9324	AAL94239.1  Hypothetical exported 24-amino acid repeat protein							
						21		27.5479								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0029						7		8.5029	AAL94242.1  Flavodoxin							
						9		11.8062								
FN0030	0.941	12.742	2.833e-2	4.197e-2	63	53	86.3188	64.3794	AAL94243.1  5-nitroimidazole antibiotic resistance protein							
					143	42	143.0000	55.0958								
FN0031	1.926	7.752	6.48e-3	6.475e-3	25	7	34.2535	8.5029	AAL94244.1  unknown							
					23	5	23.0000	6.5590								
FN0033	-0.537	12.649	5.583e-2	1.044e-1	65	79	89.0591	95.9618	AAL94246.1  unknown							
					44	74	44.0000	97.0736								
FN0034	0.033	9.683	2.871e-1	8.979e-1	27	24	36.9938	29.1529	AAL94247.1  unknown							
					21	21	21.0000	27.5479								
FN0038						77		105.5008	AAL94251.1  unknown							
FN0039	0.032	6.887				8		9.7176	AAL94252.1  DNA primase (bacterial type) and small primase-like proteins							
					11	9	11.0000	11.8062								
FN0040	0.040	18.005	2.345e-1	6.828e-1	341	402	467.2177	488.3119	AAL94253.1  Asparaginyl-tRNA synthetase							
					573	399	573.0000	523.4103								
FN0041	-0.530	6.145				8		9.7176	AAL94254.1  unknown							
					7	8	7.0000	10.4944								
FN0043	-0.908	6.908				15		18.2206	AAL94256.1  Hypothetical exported 24-amino acid repeat protein							
					8	9	8.0000	11.8062								
FN0045						8		9.7176	AAL94258.1  Shikimate 5-dehydrogenase							
						8		10.4944								
FN0046	0.453	5.099			5	5	6.8507	6.0735	AAL94259.1  3-dehydroquininate dehydratase							
						3		3.9354								
FN0047	-0.754	12.407	6.949e-3	7.143e-3	50	82	68.5070	99.6059	AAL94260.1  Exodeoxyribonuclease III							
					45	70	45.0000	91.8264								
FN0048	-1.806	9.090	4.751e-4	1.424e-4	8	33	10.9611	40.0853	AAL94261.1  4-nitrophenylphosphatase							
					14	36	14.0000	47.2250								
FN0049	2.461	6.414			9		12.3313		AAL94262.1  Hypothetical protein							
					31	3	31.0000	3.9354								
FN0050	-2.087	19.021	5.604e-5	5.869e-6	194	1157	265.8071	1405.4151	AAL94263.1  Fumarate reductase flavoprotein subunit							
					442	1221	442.0000	1601.7142								

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GO: amino acid transport

Proteins found:  
1338

Enter (or  
paste) list  
of ORFs

Find ORFs

Test

Cutoff

q-Value

.005

p-Value

	Signif	Direction	Applies To
Red	yes	+	ratios, bars
Yellow	no	n/a	bars
Green	yes	-	ratios, bars
Pink	yes	+	p-, q-Values
Light Green	yes	-	p-, q-Values

Dot Plots

Dot Plots

Fn Summary Table

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FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0052	-1.633	9.711			12	44	16.4417	53.4471	AAL94265.1  Arsenate reductase							
								37		48.5368						
FN0054	-0.656	14.433	4.46e-2	7.663e-2	54	153	73.9876	185.8501	AAL94267.1  Tyrosyl-tRNA synthetase							
					163	143	163.0000	187.5882								
FN0058	-0.140	15.152	1.373e-1	3.386e-1	153	171	209.6314	207.7148	AAL94271.1  Cysteine desulphydrase							
					154	147	154.0000	192.8354								
FN0059	-1.187	10.292	1.566e-3	9.088e-4	16	48	21.9222	58.3059	AAL94272.1  NifU protein							
					25	37	25.0000	48.5368								
FN0060	-1.856	8.478	1.087e-3	5.368e-4	5	30	6.8507	36.4412	AAL94273.1  D-alanyl-D-alanine carboxypeptidase							
					13	27	13.0000	35.4187								
FN0061	0.092	12.784	2.844e-1	8.859e-1	20	67	27.4028	81.3853	AAL94274.1  Thermostable carboxypeptidase 1							
					146	62	146.0000	81.3319								
FN0062	-0.934	6.104				7		8.5029	AAL94275.1  Hypothetical cytosolic protein							
					6	11	6.0000	14.4299								
FN0065	-1.267	13.695	4.057e-4	1.097e-4	50	157	68.5070	190.7089	AAL94278.1  Transcription accessory protein (S1 RNA binding domain)							
					80	127	80.0000	166.5993								
FN0067	-0.988	17.171	2.064e-3	1.353e-3	234	434	320.6127	527.1825	AAL94280.1  Isoleucyl-tRNA synthetase							
					225	423	225.0000	554.8936								
FN0069	0.373	15.301	6.215e-2	1.221e-1	198	159	271.2877	193.1383	AAL94282.1  Glycyl-tRNA synthetase alpha chain							
					186	122	186.0000	160.0402								
FN0070	-0.301	17.538	4.828e-2	8.539e-2	241	390	330.2037	473.7354	AAL94283.1  Glycyl-tRNA synthetase beta chain							
					456	377	456.0000	494.5506								
FN0071	-0.392	6.392							AAL94284.1  GTP cyclohydrolase I							
					8	8	8.0000	10.4944								
FN0072	0.159	12.943	2.316e-1	6.721e-1	42	67	57.5459	81.3853	AAL94285.1  2-amino-4-hydroxy-6-hydroxymethylidihydropteridine pyrophosphokinase							
					130	66	130.0000	86.5791								
FN0073	-0.702	10.009	6.226e-2	1.224e-1	9	35	12.3313	42.5147	AAL94286.1  Dihydropteroate synthase							
					38	30	38.0000	39.3542								
FN0074	-0.272	8.272				21		25.5088	AAL94287.1  Ethanolamine utilization protein eutS							
					16	10	16.0000	13.1181								
FN0076									AAL94289.1  Ethanolamine two-component response regulator							
					4		4.0000									

Show detected proteins only  
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Proteins found: 1338

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
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Dot Plots Dot Plots

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FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN0077</b>	-1.392	4.561			3	6	3.0000	7.8708	AAL94290.1  Ethanolamine two-component sensor kinase							
<b>FN0078</b>	1.882	7.835			19		26.0327		AAL94291.1  Ethanolamine utilization protein eutA							
<b>FN0079</b>	0.842	14.037	1.25e-1	3.005e-1	49	86	67.1369	104.4647	AAL94292.1  Ethanolamine ammonia-lyase heavy chain							
<b>FN0080</b>	0.902	14.623	4.69e-4	1.392e-4	163	106	223.3328	128.7589	AAL94293.1  Ethanolamine ammonia-lyase light chain							
<b>FN0081</b>	1.042	14.363	7.517e-2	1.565e-1	80	78	109.6112	94.7471	AAL94294.1  Ethanolamine utilization protein eutL							
<b>FN0082</b>	1.056	8.758			30	11	30.0000	14.4299	AAL94295.1  Ethanolamine utilization protein eutM							
<b>FN0083</b>	1.151	15.460	6.376e-2	1.263e-1	126	132	172.6376	160.3412	AAL94296.1  Ethanolamine utilization protein eutM precursor							
<b>FN0084</b>	0.119	10.872	4.019e-2	6.639e-2	33	36	45.2146	43.7294	AAL94297.1  Acetaldehyde dehydrogenase (acetylating)							
<b>FN0086</b>					7		9.5910		AAL94299.1  Hypothetical protein							
<b>FN0087</b>					13		17.8118		AAL94300.1  Ethanolamine utilization protein eutN							
<b>FN0088</b>						4	5.2472		AAL94301.1  Hypothetical protein							
<b>FN0090</b>					9		12.3313		AAL94303.1  Ethanolamine utilization protein eutQ							
<b>FN0091</b>					6		8.2208		AAL94304.1  Phosphoserine phosphatase							
<b>FN0092</b>	0.492	10.680	1.89e-1	5.192e-1	11	26	15.0715	31.5824	AAL94305.1  NADPH-dependent butanol dehydrogenase							
<b>FN0093</b>	-0.842	16.090	4.414e-3	3.817e-3	153	323	209.6314	392.3501	AAL94306.1  Thioredoxin							
<b>FN100</b>	-1.317	9.040	1.103e-2	1.274e-2	11	24	15.0715	29.1529	AAL94309.1  Flavodoxins/hemoproteins							

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Cutoff

q-Value

p-Value

.005

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

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0102						12		14.5765	AAL94311.1  Ribonucleoside-diphosphate reductase alpha chain							
						11		14.4299								
FN0103						7		8.5029	AAL94312.1  Ribonucleoside-diphosphate reductase beta chain							
						8		10.4944								
FN0106	0.481	13.751	4.514e-3	3.942e-3	93	87	127.4230	105.6794	AAL94315.1  Hypothetical protein							
					150	71	150.0000	93.1382								
FN0108	1.611	7.947	4.839e-3	4.367e-3	16	4	21.9222	4.8588	AAL94317.1  Microcin C7 self-immunity protein mccF							
					33	10	33.0000	13.1181								
FN0110	0.226	17.666	1.41e-1	3.503e-1	442	352	605.6018	427.5766	AAL94319.1  Seryl-tRNA synthetase							
					381	317	381.0000	415.8423								
FN0111									AAL94320.1  unknown							
					5		5.0000									
FN0113	0.647	11.693	1.201e-2	1.411e-2	46	39	63.0264	47.3735	AAL94322.1  Heat-inducible transcription repressor hrcA							
					81	34	81.0000	44.6014								
FN0114	-0.198	13.784	6.152e-3	6.025e-3	83	109	113.7216	132.4030	AAL94323.1  GrpE protein							
					108	93	108.0000	121.9979								
FN0116	0.278	20.274	1.647e-1	4.297e-1	604	797	827.5645	968.1209	AAL94325.1  Chaperone protein dnaK							
					1653	821	1653.0000	1076.9921								
FN0117	1.094	6.521							AAL94326.1  O6-methylguanine-DNA methyltransferase							
					14	5	14.0000	6.5590								
FN0118	-0.984	12.145	2.653e-3	1.89e-3	29	77	39.7341	93.5324	AAL94327.1  Chaperone protein dnaJ							
					56	73	56.0000	95.7618								
FN0119	1.972	9.137				10		12.1471	AAL94328.1  Flavodoxin							
					47	9	47.0000	11.8062								
FN0123	-0.480	5.124				5		6.0735	AAL94332.1  ATPase							
					5	6	5.0000	7.8708								
FN0127					4		5.4806		AAL94333.1  Fe-S oxidoreductase							
FN0128	-0.982	9.077	3.37e-3	2.639e-3	11	30	15.0715	36.4412	AAL94334.1  Spermidine/putrescine-binding protein							
					18	22	18.0000	28.8597								
FN0129						3		3.6441	AAL94335.1  Urease accessory protein ureG							

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1338

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.005

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

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Fn Summary Table

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FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0130	-1.187	7.187				15		18.2206	AAL94336.1  ABC transporter ATP-binding protein							
					8		8.0000									
FN0132	-0.378	5.575			3		4.1104		AAL93916.1  Hemolysin							
					8	6	8.0000	7.8708								
FN0147	-0.966	10.162	1.213e-2	1.427e-2	12	39	16.4417	47.3735	AAL94353.1  PLSX protein							
					32	36	32.0000	47.2250								
FN0148	-0.177	16.026	5.895e-2	1.129e-1	159	234	217.8522	284.2413	AAL94354.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
					268	202	268.0000	264.9847								
FN0149	-0.210	15.914	1.751e-1	4.672e-1	219	252	300.0606	306.1060	AAL94355.1  Malonyl-CoA-[acyl-carrier-protein] transacylase							
					162	174	162.0000	228.2541								
FN0150	-0.746	11.656	8.561e-4	3.661e-4	29	65	39.7341	78.9559	AAL94356.1  Acyl carrier protein							
					48	52	48.0000	68.2139								
FN0151	-0.793	19.262	5.296e-2	9.695e-2	205	825	280.8787	1002.1326	AAL94357.1  3-oxoacyl-[acyl-carrier-protein] synthase							
					924	827	924.0000	1084.8630								
FN0152	0.663	5.337				4		4.8588	AAL94358.1  Ribonuclease III							
					8	4	8.0000	5.2472								
FN0154						7		8.5029	AAL94360.1  Ribonuclease G							
FN0155						9		10.9324	AAL94361.1  Hypothetical protein							
FN0156	-0.497	7.347	1.051e-1	2.418e-1	4	12	5.4806	14.5765	AAL94362.1  Phosphopantetheine adenylyltransferase							
					16	12	16.0000	15.7417								
FN0157						7		8.5029	AAL94363.1  DNA repair protein Rada							
						6		7.8708								
FN0158	-0.530	9.206	3.161e-2	4.837e-2	12	20	16.4417	24.2941	AAL94364.1  DNA-binding protein							
					24	26	24.0000	34.1069								
FN0164	-0.769	15.858	1.169e-3	6.076e-4	155	243	212.3717	295.1736	AAL94370.1  Anhydro-N-acetylmuramyl-tripeptide amidase							
					161	260	161.0000	341.0694								
FN0170	0.112	13.730	2.35e-1	6.85e-1	63	95	86.3188	115.3971	AAL94376.1  GTP-binding protein							
					156	83	156.0000	108.8798								
FN0173	-0.778	10.805	8.21e-2	1.76e-1	7	48	9.5910	58.3059	AAL94379.1  Hypothetical protein							
					55	40	55.0000	52.4722								

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.005

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Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0174	-0.124	12.708	7.411e-2	1.536e-1	56	65	76.7278	78.9559	AAL94380.1  Enoyl-[acyl-carrier-protein] reductase							
					80	70	80.0000	91.8264								
FN0175	-0.146	8.119	1.763e-1	4.719e-1	10	17	13.7014	20.6500	AAL94381.1  Cell division inhibitor MinC							
					18	11	18.0000	14.4299								
FN0176	0.146	15.160	7.733e-2	1.624e-1	134	158	183.5987	191.9236	AAL94382.1  Cell division inhibitor MinD							
					219	131	219.0000	171.8465								
FN0177	-1.762	5.841			3	10	4.1104	12.1471	AAL94383.1  Cell division inhibitor MinE							
						12		15.7417								
FN0178	-1.229	11.977	5.813e-4	1.931e-4	35	78	47.9549	94.7471	AAL94384.1  UNC-44 ankyrins							
					35	76	35.0000	99.6972								
FN0179	1.260	11.281	9.709e-2	2.186e-1	93	25	127.4230	30.3677	AAL94385.1  Ankyrin repeat proteins							
					27	26	27.0000	34.1069								
FN0181	0.337	9.382	1.942e-1	5.371e-1	11	13	15.0715	15.7912	AAL94387.1  Hypothetical protein							
					43	23	43.0000	30.1715								
FN0182	1.741	13.880	9.767e-2	2.203e-1	35	49	47.9549	59.5206	AAL94388.1  Sarcosine oxidase alpha subunit							
					401	57	401.0000	74.7729								
FN0183	0.669	14.512	1.728e-1	4.589e-1	34	97	46.5848	117.8265	AAL94389.1  Glycerol-3-phosphate dehydrogenase							
					339	95	339.0000	124.6215								
FN0185	-0.190	8.139	2.186e-1	6.238e-1	12	9	16.4417	10.9324	AAL94391.1  Hypothetical protein							
					15	19	15.0000	24.9243								
FN0188						13		15.7912	AAL94394.1  Peptide methionine sulfoxide reductase							
FN0189									AAL94395.1  Two-component response regulator yesN							
					20		20.0000									
FN0190	-0.711	5.687			6		8.2208		AAL94396.1  Two-component sensor kinase yesM							
					3	7	3.0000	9.1826								
FN0191	0.135	9.220	2.069e-1	5.817e-1	14	20	19.1820	24.2941	AAL94397.1  helix-turn-helix DNA-binding protein							
					32	17	32.0000	22.3007								
FN0192	-2.863	10.863				88		106.8941	AAL94398.1  Dipeptide-binding protein							
					16	96	16.0000	125.9333								
FN0197									AAL94403.1  Methyltransferase							
						4		5.2472								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0198						6		7.2882	AAL94404.1  Transcriptional regulatory protein							
						4		5.2472								
FN0199	0.589	11.112	1.742e-3	1.054e-3	39	34	53.4355	41.3000	AAL94405.1  Hypothetical protein							
					62	27	62.0000	35.4187								
FN0200	-1.336	20.587	1.877e-2	2.497e-2	942	1665	1290.6717	2022.4859	AAL94406.1  Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					289	1499	289.0000	1966.3961								
FN0202	-0.590	19.813	2.697e-3	1.932e-3	585	1032	801.5318	1253.5768	AAL94408.1  Glutaconate CoA-transferase subunit A							
					763	840	763.0000	1101.9164								
FN0203	0.084	21.144	2.282e-1	6.59e-1	1361	1114	1864.7603	1353.1827	AAL94409.1  Glutaconate CoA-transferase subunit B							
					1270	1223	1270.0000	1604.3379								
FN0204	-0.493	21.327	1.772e-2	2.309e-2	833	1600	1141.3265	1943.5299	AAL94410.1  Glutaconyl-CoA decarboxylase A subunit							
					1593	1452	1593.0000	1904.7413								
FN0206	-0.444	12.567	1.01e-1	2.3e-1	69	74	94.5396	89.8883	AAL94412.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					39	70	39.0000	91.8264								
FN0207	-0.327	19.040	1.127e-1	2.635e-1	632	681	865.9284	827.2149	AAL94413.1  (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit							
					445	623	445.0000	817.2547								
FN0208	-0.455	17.834	2.923e-3	2.161e-3	280	461	383.6392	559.9796	AAL94414.1  (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit							
					442	436	442.0000	571.9471								
FN0209	-0.386	17.986	7.596e-4	2.975e-4	339	486	464.4774	590.3472	AAL94415.1  Hypothetical cytosolic protein							
					427	438	427.0000	574.5707								
FN0212	-0.009	9.149	3.045e-1	9.76e-1	23	21	31.5132	25.5088	AAL94418.1  Hypothetical protein							
					16	17	16.0000	22.3007								
FN0214					3		4.1104		AAL94420.1  Crossover junction endodeoxyribonuclease ruvC							
FN0218	0.516	14.609	6.593e-2	1.321e-1	173	114	237.0342	138.4765	AAL94424.1  Anthranilate synthase component II							
					141	96	141.0000	125.9333								
FN0219	0.304	4.866				4		4.8588	AAL94425.1  Autolysin response regulator							
					6		6.0000									
FN0221	0.220	11.462	3.049e-2	4.613e-2	45	40	61.6563	48.5882	AAL94427.1  Carbon starvation protein A							
					53	38	53.0000	49.8486								
FN0224	-0.910	8.992	1.518e-2	1.886e-2	16	25	21.9222	30.3677	AAL94430.1  Excinuclease ABC subunit B							
					11	24	11.0000	31.4833								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN0225</b>					4		4.0000		AAL94431.1  Gluconate permease							
<b>FN0226</b>	-0.258	12.152	4.659e-3	4.129e-3	47	61	64.3966	74.0971	AAL94432.1  Pyridoxal phosphate biosynthetic protein pdxA							
<b>FN0227</b>					4		4.0000		AAL94433.1  Hypothetical protein							
<b>FN0233</b>	-0.178	12.478	1.701e-1	4.491e-1	65	61	89.0591	74.0971	AAL94439.1  Hypothetical protein							
<b>FN0234</b>	-0.582	7.501				12		14.5765	AAL94440.1  unknown							
<b>FN0235</b>					16		21.9222		AAL94441.1  ABC transporter ATP-binding protein							
<b>FN0236</b>	0.731	16.378	1.67e-1	4.38e-1	486	172	665.8880	208.9295	AAL94442.1  ABC transporter substrate-binding protein							
<b>FN0237</b>					3		4.1104		AAL94443.1  ABC transporter permease protein							
<b>FN0238</b>	-0.136	10.982	2.095e-1	5.91e-1	40	42	54.8056	51.0177	AAL94444.1  Hypothetical protein							
<b>FN0240</b>	-0.078	13.135	1.549e-1	3.959e-1	64	87	87.6890	105.6794	AAL94446.1  Thymidylate synthase							
<b>FN0241</b>	0.165	9.300	2.215e-1	6.345e-1	14	25	19.1820	30.3677	AAL94447.1  Dihydrofolate reductase							
<b>FN0242</b>	-0.011	12.011				50		60.7353	AAL94448.1  Trk system potassium uptake protein trkA							
<b>FN0243</b>	0.210	9.190				10		12.1471	AAL94449.1  Poly(A) polymerase							
<b>FN0244</b>	-1.191	7.835				16		19.4353	AAL94450.1  COP associated protein							
<b>FN0245</b>	-0.922	6.922				12		14.5765	AAL94451.1  Copper-exporting ATPase							
<b>FN0247</b>	-1.109	14.471	1.669e-2	2.132e-2	41	183	56.1757	222.2912	AAL94453.1  Hypothetical cytosolic protein							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN0248</b>					42		42.0000		AAL94454.1  Hypothetical Exported Protein							
<b>FN0249</b>	-1.626	14.269	5.543e-3	5.222e-3	89	210	121.9424	255.0883	AAL94455.1  unknown							
<b>FN0250</b>	-0.589	13.778	8.361e-2	1.803e-1	106	113	145.2348	137.2618	AAL94456.1  unknown							
<b>FN0251</b>	-0.361	15.648	1.844e-1	5.025e-1	240	195	328.8336	236.8677	AAL94457.1  Hypothetical membrane-spanning Protein							
<b>FN0252</b>	1.100	17.889	6.173e-2	1.209e-1	753	270	1031.7153	327.9707	AAL94458.1  unknown							
<b>FN0253</b>	-0.332	15.532				198		240.5118	AAL94459.1  Outer membrane protein							
<b>FN0254</b>	-0.864	19.214	3.416e-3	2.688e-3	352	851	482.2892	1033.7150	AAL94460.1  Fusobacterium outer membrane protein family							
<b>FN0258</b>	-1.074	6.733	3.329e-2	5.181e-2	6	16	8.2208	19.4353	AAL94464.1  Zinc-transporting ATPase							
<b>FN0260</b>								6.5590	AAL94466.1  Transcriptional repressor smtB							
<b>FN0261</b>	-1.252	9.331			12	31	16.4417	37.6559	AAL94467.1  Pyruvate formate-lyase activating enzyme							
<b>FN0262</b>	-1.824	23.015	4.137e-3	3.483e-3	1745	4406	2390.8940	5351.9956	AAL94468.1  Formate acetyltransferase							
<b>FN0263</b>	-0.370	16.995	1.843e-1	5.019e-1	386	358	528.8740	434.8648	AAL94469.1  Peptidyl-prolyl cis-trans isomerase							
<b>FN0264</b>	-0.911	16.196	1.619e-2	2.05e-2	96	314	131.5334	381.4178	AAL94470.1  Hypothetical protein							
<b>FN0265</b>	-1.308	8.227				20		24.2941	AAL94471.1  Cell division protein ftsX							
<b>FN0266</b>	-1.145	7.145				14		17.0059	AAL94472.1  membrane protein related to metalloendopeptidase							
<b>FN0267</b>	-0.759	5.929				7		8.5029	AAL94473.1  ATP-NAD kinase							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0268	-0.137	7.964			11	10	15.0715	12.1471	AAL94474.1  DNA repair protein recN							
FN0270									AAL94476.1  GTP-binding protein era							
FN0271	0.783	6.832							AAL94477.1  Enoyl-CoA hydratase							
					14	5	14.0000	6.5590								
FN0272	-0.713	4.713							AAL94478.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
					4	5	4.0000	6.5590								
FN0273									AAL94479.1  Butyrate-acetoacetate CoA- transferase subunit B							
					16		16.0000									
FN0276	1.319	9.021							AAL94482.1  Sodium-dependent phosphate transporter							
					36	11	36.0000	14.4299								
FN0277	-0.304	7.393	7.804e-2	1.644e-1	9	14	12.3313	17.0059	AAL94483.1  Hypothetical protein							
					11	9	11.0000	11.8062								
FN0278	-0.096	16.203	9.868e-2	2.233e-1	209	230	286.3592	279.3824	AAL94484.1  Xaa-His dipeptidase							
					245	220	245.0000	288.5972								
FN0279	0.946	13.128	1.364e-1	3.36e-1	26	55	35.6236	66.8088	AAL94485.1  Lipoprotein							
					227	53	227.0000	69.5257								
FN0280	-0.987	13.362	4.062e-2	6.736e-2	21	119	28.7729	144.5500	AAL94486.1  Hypothetical protein							
					117	110	117.0000	144.2986								
FN0281	-0.491	11.913	9.66e-2	2.172e-1	21	64	28.7729	77.7412	AAL94487.1  DNA polymerase III alpha subunit							
					76	53	76.0000	69.5257								
FN0282	-0.017	10.968	2.942e-1	9.293e-1	27	32	36.9938	38.8706	AAL94488.1  Hypothetical protein							
					52	39	52.0000	51.1604								
FN0283	-1.392	8.035							AAL94489.1  tRNA (Guanine-N1) - methyltransferase							
					10	20	10.0000	26.2361								
FN0284	1.792	9.609							AAL94490.1  16S rRNA processing protein rimM							
					52	9	52.0000	11.8062								
FN0285	2.474	7.035							AAL94491.1  RNA binding protein							
					27		27.0000									
FN0287	0.047	7.354							AAL94493.1  Dimethyladenosine transferase							
					13	9	13.0000	11.8062								

 Show detected proteins only  
 Show all proteins

 Filter by category:

 Proteins found:  
 1338

 Enter (or  
 paste) list  
 of ORFs

Test

Cutoff




	Signif	Direction	Applies To
<span style="color: red;">■</span>	yes	+	ratios, bars
<span style="color: yellow;">■</span>	no	n/a	bars
<span style="color: green;">■</span>	yes	-	ratios, bars
<span style="color: pink;">■</span>	yes	+	p-, q-Values
<span style="color: lightgreen;">■</span>	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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0288	0.806	10.873	8.985e-2	1.977e-1	23	28	31.5132	34.0118	AAL94494.1  Hypoxanthine-guanine phosphoribosyltransferase							
					83	24	83.0000	31.4833								
FN0291	1.345	5.298							AAL94497.1  Hemolysin							
					10	3	10.0000	3.9354								
FN0294	-0.806	15.296	8.268e-3	9.034e-3	136	212	186.3390	257.5177	AAL94500.1  Transketolase subunit A							
					117	208	117.0000	272.8555								
FN0295	0.025	14.942	2.939e-1	9.281e-1	170	146	232.9238	177.3471	AAL94501.1  Transketolase							
					125	133	125.0000	174.4701								
FN0296	0.286	11.332	1.34e-1	3.283e-1	30	39	41.1042	47.3735	AAL94502.1  Hypothetical cytosolic protein							
					71	34	71.0000	44.6014								
FN0297	0.274	7.325	2.215e-1	6.344e-1	5	6	6.8507	7.2882	AAL94503.1  ATPase associated with chromosome architecture/replication							
					21	12	21.0000	15.7417								
FN0298	0.398	15.651	1.757e-1	4.697e-1	94	173	128.7931	210.1442	AAL94504.1  Histidyl-tRNA synthetase							
					392	141	392.0000	184.9645								
FN0299	-0.529	15.954	6.556e-2	1.311e-1	96	239	131.5334	290.3148	AAL94505.1  Aspartyl-tRNA synthetase							
					288	240	288.0000	314.8333								
FN0305									AAL94511.1  Iron(III) dicitrate-binding protein							
						3		3.9354								
FN0308	-0.517	16.825	1.128e-3	5.716e-4	191	347	261.6967	421.5031	AAL94514.1  Iron(III)-binding protein							
					308	300	308.0000	393.5416								
FN0309									AAL94515.1  Iron(III)-transport system permease protein sfuB							
						8		10.4944								
FN0310	-0.888	13.719	1.399e-2	1.701e-2	83	123	113.7216	149.4089	AAL94516.1  Iron(III)-transport ATP-binding protein sfuC							
					57	127	57.0000	166.5993								
FN0311	-0.932	13.015	1.996e-2	2.706e-2	29	100	39.7341	121.4706	AAL94517.1  Anaerobic ribonucleoside-triphosphate reductase							
					92	99	92.0000	129.8687								
FN0313	-0.943	8.558				13		15.7912	AAL94519.1  16S rRNA m(5)C 967 methyltransferase							
					14	29	14.0000	38.0424								
FN0314									AAL94520.1  Caffeoyl-CoA O-methyltransferase							
					8		8.0000									
FN0315									AAL94521.1  Transcriptional regulator, AraC family							
					10		10.0000									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	-	

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0316	-0.584	9.667			17	24	23.2924	29.1529	AAL94522.1  Hypothetical protein							
						31		40.6660								
FN0317	0.441	8.024	1.622e-1	4.21e-1	7	12	9.5910	14.5765	AAL94523.1  Tryptophan synthase beta chain							
					28	10	28.0000	13.1181								
FN0319	-0.418	6.033				10		12.1471	AAL94525.1  Citrate (pro-3S)-lyase ligase							
					7	5	7.0000	6.5590								
FN0320	-0.089	9.430	1.812e-1	4.901e-1	16	23	21.9222	27.9382	AAL94526.1  Hypothetical cytosolic protein							
					29	20	29.0000	26.2361								
FN0321	0.268	13.895	1.544e-1	3.944e-1	70	101	95.9098	122.6853	AAL94527.1  Heat shock protein htpG							
					175	78	175.0000	102.3208								
FN0322	0.176	21.395	1.898e-1	5.221e-1	934	1315	1279.7106	1597.3387	AAL94528.1  Fructose-bisphosphate aldolase							
					2250	1164	2250.0000	1526.9413								
FN0325	-4.103	8.182			3	58	4.1104	70.4530	AAL94529.1  LSU ribosomal protein L20P							
						54		70.8375								
FN0326						7		8.5029	AAL94530.1  LSU ribosomal protein L35P							
FN0327	-2.002	11.049				75		91.1030	AAL94531.1  Bacterial Protein Translation Initiation Factor 3 (IF-3)							
					23	71	23.0000	93.1382								
FN0329	-0.359	18.255	9.469e-2	2.116e-1	472	528	646.7060	641.3649	AAL94533.1  LSU ribosomal protein L13P							
					341	477	341.0000	625.7311								
FN0330	-1.152	12.311	2.453e-3	1.701e-3	45	81	61.6563	98.3912	AAL94534.1  SSU ribosomal protein S9P							
					34	87	34.0000	114.1271								
FN0331	-1.077	11.208	3.941e-2	6.465e-2	8	58	10.9611	70.4530	AAL94535.1  Hypothetical protein							
					56	54	56.0000	70.8375								
FN0332									AAL94536.1  Magnesium and cobalt transport protein corA							
					7		7.0000									
FN0333									AAL94537.1  Glycerol uptake operon antiterminator regulatory protein							
					8		8.0000									
FN0334	-0.173	14.224	1.787e-1	4.807e-1	69	123	94.5396	149.4089	AAL94538.1  Aspartate/aromatic aminotransferase							
					166	110	166.0000	144.2986								
FN0335	-0.593	20.284	5.665e-2	1.066e-1	932	1093	1276.9703	1327.6739	AAL94539.1  Outer membrane porin F							
					563	1103	563.0000	1446.9212								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	-	

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0336	-1.726	11.635				76		92.3177	AAL94540.1   Hypothetical protein							
					31	86	31.0000	112.8153								
FN0341	-0.776	11.420				62		75.3118	AAL94545.1   transport protein							
					40	47	40.0000	61.6548								
FN0342	-0.221	10.720	2.038e-1	5.707e-1	38	46	52.0653	55.8765	AAL94546.1   Peptidyl-prolyl cis-trans isomerase							
					24	25	24.0000	32.7951								
FN0343						4		4.8588	AAL94547.1   Hypothetical protein							
FN0344									AAL94548.1   Methyltransferase							
						9		11.8062								
FN0347	-1.193	12.183	1.878e-2	2.499e-2	14	78	19.1820	94.7471	AAL94551.1   Phosphatidylserine decarboxylase							
					71	85	71.0000	111.5034								
FN0348	-0.459	16.128	5.352e-2	9.837e-2	120	279	164.4168	338.9030	AAL94552.1   Nicotinate phosphoribosyltransferase							
					292	220	292.0000	288.5972								
FN0349	1.092	7.766	3.465e-2	5.461e-2	11	8	15.0715	9.7176	AAL94553.1   D-Tyr-tRNA <sup>Tyr</sup> deacylase							
					28	8	28.0000	10.4944								
FN0351	-0.512	14.137	1.493e-1	3.774e-1	140	117	191.8196	142.1206	AAL94555.1   unknown							
					33	136	33.0000	178.4055								
FN0352	0.044	11.266	2.911e-1	9.157e-1	21	47	28.7729	57.0912	AAL94556.1   NA <sup>+</sup> /H <sup>+</sup> antiporter NHAC							
					72	31	72.0000	40.6660								
FN0355	-0.213	15.127	1.534e-1	3.911e-1	93	170	127.4230	206.5001	AAL94558.1   S-adenosylmethionine synthetase							
					224	153	224.0000	200.7062								
FN0356	-0.716	10.040	4.226e-2	7.109e-2	26	35	35.6236	42.5147	AAL94559.1   Lactoylglutathione lyase							
					15	31	15.0000	40.6660								
FN0357	-0.326	7.596	1.831e-1	4.972e-1	5	17	6.8507	20.6500	AAL94560.1   ATP synthase epsilon chain, sodium ion specific							
					18	8	18.0000	10.4944								
FN0358	-0.929	17.355	1.835e-7	2.97e-9	212	470	290.4696	570.9119	AAL94561.1   ATP synthase beta chain, sodium ion specific							
					303	426	303.0000	558.8290								
FN0359	-0.634	11.962	2.378e-2	3.367e-2	47	68	64.3966	82.6000	AAL94562.1   ATP synthase gamma chain, sodium ion specific							
					37	57	37.0000	74.7729								
FN0360	0.202	13.804	2.111e-3	1.401e-3	96	95	131.5334	115.3971	AAL94563.1   ATP synthase alpha chain, sodium ion specific							
					125	82	125.0000	107.5680								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0361	-0.808	10.031	2.108e-2	2.895e-2	24	37	32.8834	44.9441	AAL94564.1  ATP synthase delta chain, sodium ion specific							
					16	31	16.0000	40.6660								
FN0362	-0.554	10.462				49		59.5206	AAL94565.1  ATP synthase B chain, sodium ion specific							
					31	24	31.0000	31.4833								
FN0364	1.724	5.677							AAL94567.1  ATP synthase A chain, sodium ion specific							
					13	3	13.0000	3.9354								
FN0366	-0.510	15.695	5.096e-3	4.671e-3	127	228	174.0078	276.9530	AAL94569.1  Phosphoglucosamine mutase							
					212	208	212.0000	272.8555								
FN0368	0.324	13.237	1.183e-1	2.803e-1	59	69	80.8383	83.8147	AAL94571.1  Adenylosuccinate lyase							
					139	70	139.0000	91.8264								
FN0370	-0.675	10.059	6.105e-2	1.189e-1	10	28	13.7014	34.0118	AAL94573.1  Signal peptidase I							
					38	37	38.0000	48.5368								
FN0371	-1.635	11.082	9.831e-3	1.113e-2	32	66	43.8445	80.1706	AAL94574.1  Hypothetical protein							
					9	64	9.0000	83.9555								
FN0374	1.120	5.425	2.593e-2	3.754e-2	9	3	12.3313	3.6441	AAL94577.1  Single-stranded-DNA-specific exonuclease recJ							
					7	4	7.0000	5.2472								
FN0375	0.509	17.587	7.141e-3	7.429e-3	353	297	483.6594	360.7677	AAL94578.1  Iron(III)-binding protein							
					575	292	575.0000	383.0471								
FN0376	0.466	12.667	1.783e-2	2.329e-2	61	59	83.5785	71.6677	AAL94579.1  Iron(III)-transport ATP-binding protein sfuC							
					106	50	106.0000	65.5903								
FN0377									AAL94580.1  Iron(III)-transport system permease protein sfuB							
						9		11.8062								
FN0378						7		8.5029	AAL94581.1  UDP-glucose 4-epimerase							
						7		9.1826								
FN0379	-0.651	6.644	4.499e-2	7.757e-2	8	12	10.9611	14.5765	AAL94582.1  Hypothetical protein							
					5	8	5.0000	10.4944								
FN0380	-2.167	7.337				26		31.5824	AAL94583.1  unknown							
					6	17	6.0000	22.3007								
FN0381						15		18.2206	AAL94584.1  unknown							
						15		19.6771								
FN0382						8		9.7176	AAL94585.1  Hypothetical protein							
						8		10.4944								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0383						7		8.5029	AAL94586.1  Lipopolysaccharide N-acetylglucosaminyltransferase							
						10		13.1181								
FN0384	-3.389	7.467			3	32	4.1104	38.8706	AAL94587.1  Hypothetical protein							
						36		47.2250								
FN0385									AAL94588.1  Hypothetical protein							
					5			5.0000								
FN0386						12		14.5765	AAL94589.1  Hypothetical protein							
						11		14.4299								
FN0387	-2.777	11.772	7.82e-5	9.377e-6	14	121	19.1820	146.9795	AAL94590.1  Fusobacterium outer membrane protein family							
					26	124	26.0000	162.6639								
FN0390	1.070	11.829	5.147e-2	9.318e-2	40	34	54.8056	41.3000	AAL94593.1  Hypothetical protein							
					120	32	120.0000	41.9778								
FN0391	0.598	9.079	1.758e-1	4.7e-1	6	16	8.2208	19.4353	AAL94594.1  Hydrolase (HAD superfamily)							
					49	14	49.0000	18.3653								
FN0392	-1.819	6.462				15		18.2206	AAL94595.1  Oxygen-independent coproporphyrinogen III oxidase							
					5	13	5.0000	17.0535								
FN0393	0.932	7.413	1.252e-2	1.484e-2	11	8	15.0715	9.7176	AAL94596.1  Polysaccharide deacetylase							
					21	7	21.0000	9.1826								
FN0394	0.531	7.684	1.818e-1	4.925e-1	4	11	5.4806	13.3618	AAL94597.1  Outer membrane protein							
					29	8	29.0000	10.4944								
FN0396	0.402	24.004	5.688e-4	1.869e-4	3549	2994	4862.6263	3636.8304	AAL94599.1  Dipeptide-binding protein							
					4566	2667	4566.0000	3498.5847								
FN0397	-0.052	10.905				41		49.8030	AAL94600.1  Dipeptide transport system permease protein dppB							
					43	30	43.0000	39.3542								
FN0398	-1.058	11.387	8.884e-4	3.919e-4	29	56	39.7341	68.0235	AAL94601.1  Dipeptide transport system permease protein dppC							
					32	62	32.0000	81.3319								
FN0399	-0.543	15.278	1.413e-2	1.723e-2	98	178	134.2737	216.2177	AAL94602.1  Dipeptide transport ATP-binding protein dppD							
					196	202	196.0000	264.9847								
FN0400	-0.684	17.806	3.158e-3	2.414e-3	306	498	419.2628	604.9237	AAL94603.1  Dipeptide transport ATP-binding protein dppF							
					336	464	336.0000	608.6776								
FN0405	-0.284	12.911	1.443e-1	3.61e-1	38	86	52.0653	104.4647	AAL94608.1  Tryptophanyl-tRNA synthetase							
					107	68	107.0000	89.2028								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0406	-1.164	11.391	1.616e-7	2.24e-9	25	64	34.2535	77.7412	AAL94609.1  Alanine racemase, biosynthetic							
					35	59	35.0000	77.3965								
FN0407	-2.102	10.887				75		91.1030	AAL94610.1  Hypothetical protein							
					21	68	21.0000	89.2028								
FN0408	-0.747	12.388	5.938e-2	1.142e-1	19	86	26.0327	104.4647	AAL94611.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta							
					87	65	87.0000	85.2673								
FN0409	-1.080	17.074	1.773e-3	1.08e-3	219	453	300.0606	550.2619	AAL94612.1  Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha							
					211	404	211.0000	529.9693								
FN0410	-0.698	13.649	2.14e-4	4.225e-5	62	120	84.9487	145.7647	AAL94613.1  6-phosphofructokinase							
					93	109	93.0000	142.9868								
FN0411									AAL94614.1  putative alpha helix protein							
						8		10.4944								
FN0412									AAL94615.1  Recombination protein recR							
						10		13.1181								
FN0413	0.938	4.669			8	3	10.9611	3.6441	AAL94616.1  unknown							
					3		3.0000									
FN0416	-1.077	8.326			9	18	12.3313	21.8647	AAL94619.1  Type III restriction-modification system methylation subunit							
						23		30.1715								
FN0417	-1.788	9.867			12	46	16.4417	55.8765	AAL94620.1  Type III restriction-modification system restriction subunit							
						44		57.7194								
FN0418									AAL94621.1  Uracil phosphoribosyltransferase							
					67		67.0000									
FN0419	0.272	7.477			9	10	12.3313	12.1471	AAL94622.1  Aspartate carbamoyltransferase							
					17		17.0000									
FN0420	1.054	8.770	1.263e-1	3.048e-1	6	12	8.2208	14.5765	AAL94623.1  Dihydroorotase							
					52	11	52.0000	14.4299								
FN0421	0.774	9.870				18		21.8647	AAL94624.1  Carbamoyl-phosphate synthase small chain							
					40	19	40.0000	24.9243								
FN0422	-0.715	13.950	9.791e-2	2.211e-1	20	125	27.4028	151.8383	AAL94625.1  Carbamoyl-phosphate synthase large chain							
					169	130	169.0000	170.5347								
FN0423	0.481	7.519				7		8.5029	AAL94626.1  Dihydroorotate dehydrogenase electron transfer subunit							
					16	11	16.0000	14.4299								

Show detected proteins only  
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Proteins found: 1338

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0424	0.993	5.667	1.049e-1	2.411e-1	3	4	4.1104	4.8588	AAL94627.1  Dihydroorotate dehydrogenase							
					16	4	16.0000	5.2472								
FN0426	1.087	9.071	1.221e-1	2.916e-1	7	10	9.5910	12.1471	AAL94629.1  Orotidine 5'-phosphate decarboxylase							
					58	15	58.0000	19.6771								
FN0427	-0.092	11.470	1.324e-1	3.233e-1	41	43	56.1757	52.2324	AAL94630.1  Orotate phosphoribosyltransferase							
					47	44	47.0000	57.7194								
FN0430	-1.332	14.971	4.591e-3	4.041e-3	51	223	69.8771	270.8795	AAL94633.1  LSU ribosomal protein L19P							
					156	227	156.0000	297.7798								
FN0435	0.230	11.661	2.416e-1	7.102e-1	17	39	23.2924	47.3735	AAL94634.1  Purine nucleoside phosphorylase							
					100	44	100.0000	57.7194								
FN0436	1.228	11.009	3.199e-2	4.913e-2	35	24	47.9549	29.1529	AAL94635.1  regulator of kinase autophosphorylation inhibitor							
					91	23	91.0000	30.1715								
FN0437	0.279	7.134	2.359e-1	6.883e-1	3	8	4.1104	9.7176	AAL94636.1  kinase autophosphorylation inhibitor KipI							
					22	9	22.0000	11.8062								
FN0438									AAL94637.1  transporter protein							
						9		11.8062								
FN0439	0.336	12.037	2.36e-1	6.889e-1	10	41	13.7014	49.8030	AAL94638.1  Lactam utilization protein LAMB							
					132	50	132.0000	65.5903								
FN0445									AAL94641.1  Hypothetical protein							
						5		6.0735								
FN0446	-1.008	7.281	6.665e-5	7.553e-6	7	14	9.5910	17.0059	AAL94642.1  Hypothetical protein							
					8	14	8.0000	18.3653								
FN0447	0.262	4.908							AAL94643.1  NIFS protein							
					6	3	6.0000	3.9354								
FN0450	-1.177	9.532	4.1e-2	6.82e-2	14	22	19.1820	26.7235	AAL94646.1  ABC transporter ATP-binding protein							
					17	42	17.0000	55.0958								
FN0451	-0.516	6.131							AAL94647.1  Hypothetical protein							
					7	6	7.0000	7.8708								
FN0452	-0.429	18.476	1.721e-1	4.565e-1	647	592	886.4805	719.1061	AAL94648.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					154	520	154.0000	682.1387								
FN0453	0.787	16.502	9.092e-3	1.012e-2	255	195	349.3857	236.8677	AAL94649.1  Xaa-Pro aminopeptidase							
					451	173	451.0000	226.9423								

Show detected proteins only  
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Proteins found: 1338

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0454	0.855	13.882	7.932e-2	1.68e-1	69	77	94.5396	93.5324	AAL94650.1  Aldehyde dehydrogenase B							
					236	68	236.0000	89.2028								
FN0455	1.074	16.135	4.143e-3	3.49e-3	315	150	431.5941	182.2059	AAL94651.1  Rubrerythrin							
					347	143	347.0000	187.5882								
FN0456	-2.394	10.091	2.686e-4	6.088e-5	13	62	17.8118	75.3118	AAL94652.1  Hypothetical cytosolic protein							
					11	58	11.0000	76.0847								
FN0458	1.533	5.806	2.136e-2	2.941e-2	12	4	16.4417	4.8588	AAL94654.1  Hypothetical Exported Protein							
					9	3	9.0000	3.9354								
FN0459						8		9.7176	AAL94655.1  Hypothetical exported 24-amino acid repeat protein							
						8		10.4944								
FN0460	-0.196	11.810				57		69.2383	AAL94656.1  Delta-aminolevulinic acid dehydratase							
					56	45	56.0000	59.0312								
FN0461	0.389	16.697	1.504e-1	3.809e-1	381	227	522.0233	275.7383	AAL94657.1  Probable sigma(54) modulation protein							
					224	224	224.0000	293.8444								
FN0462	0.045	11.170	2.852e-1	8.896e-1	23	40	31.5132	48.5882	AAL94658.1  DNA mismatch repair protein mutL							
					66	35	66.0000	45.9132								
FN0465	0.270	16.294	2.351e-1	6.853e-1	377	195	516.5427	236.8677	AAL94661.1  Hypothetical protein							
					106	213	106.0000	279.4145								
FN0466	0.383	17.561	5.203e-2	9.458e-2	428	323	586.4199	392.3501	AAL94662.1  Lysyl-tRNA synthetase							
					418	288	418.0000	377.7999								
FN0470	-0.034	18.282	2.706e-1	8.272e-1	343	430	469.9580	522.3237	AAL94666.1  Putative efflux pump component MtrF							
					646	473	646.0000	620.4839								
FN0472	1.659	24.440	5.982e-3	5.795e-3	7225	2271	9899.2604	2758.5978	AAL94668.1  Flavodoxin							
					7052	1990	7052.0000	2610.4925								
FN0474						6		7.8708	AAL94670.1  Acriflavin resistance protein B							
FN0475	-1.548	10.467				53		64.3794	AAL94671.1  MIAB protein							
					22	49	22.0000	64.2785								
FN0476	-0.244	11.690	1.564e-1	4.011e-1	26	49	35.6236	59.5206	AAL94672.1  Transcription termination factor rho							
					70	50	70.0000	65.5903								
FN0477	-2.372	10.157	4.722e-6	2.484e-7	10	65	13.7014	78.9559	AAL94673.1  Cell wall endopeptidase family M23/M37							
					16	57	16.0000	74.7729								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0478	1.361	8.814				11		13.3618	AAL94674.1  GcpE protein							
					34	10	34.0000	13.1181								
FN0481	-0.697	7.616				11		13.3618	AAL94677.1  unknown							
					11	17	11.0000	22.3007								
FN0482	-2.778	7.948				44		53.4471	AAL94678.1  LSU ribosomal protein L31P							
					6	22	6.0000	28.8597								
FN0483	-1.016	13.224	8.106e-3	8.797e-3	34	120	46.5848	145.7647	AAL94679.1  Uracil phosphoribosyltransferase							
					91	101	91.0000	132.4923								
FN0484	-0.959	5.603				8		9.7176	AAL94680.1  Lipase							
					5		5.0000									
FN0487	-0.121	20.283	2.279e-1	6.579e-1	548	933	750.8366	1133.3209	AAL94683.1  2-hydroxyglutarate dehydrogenase							
					1416	932	1416.0000	1222.6025								
FN0488	0.305	23.556	1.465e-1	3.683e-1	1959	2530	2684.1040	3073.2067	AAL94684.1  NAD-specific glutamate dehydrogenase							
					5124	2474	5124.0000	3245.4062								
FN0489	-1.186	8.105				25		30.3677	AAL94685.1  Prolipoprotein diacylglycerol transferase							
					11	15	11.0000	19.6771								
FN0490									AAL94686.1  Integral membrane protein							
						4		5.2472								
FN0491	1.570	13.188	5.768e-2	1.094e-1	59	61	80.8383	74.0971	AAL94687.1  Alanine racemase							
					252	29	252.0000	38.0424								
FN0493	-0.264	8.762	1.677e-1	4.405e-1	19	16	26.0327	19.4353	AAL94689.1  Hypothetical protein							
					12	20	12.0000	26.2361								
FN0494	-1.417	17.059	1.5e-4	2.529e-5	136	464	186.3390	563.6237	AAL94690.1  Short chain dehydrogenase							
					266	491	266.0000	644.0964								
FN0495	1.116	25.792	5.159e-5	5.034e-6	8224	4420	11268.030	5369.0015	AAL94691.1  Acetyl-CoA acetyltransferase							
					11175	3801	11175.000	4986.1718								
FN0496									AAL94692.1  unknown							
						6		7.8708								
FN0501	0.635	16.730	9.468e-2	2.115e-1	183	199	250.7356	241.7265	AAL94697.1  Ornithine decarboxylase							
					571	219	571.0000	287.2854								
FN0502	1.032	7.887				8		9.7176	AAL94698.1  Phosphoheptose isomerase							
					22	9	22.0000	11.8062								

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Proteins found:  
1338

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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	-	

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0503	-0.592	11.037	4.431e-2	7.591e-2	18	43	24.6625	52.2324	AAL94699.1  Transcriptional regulatory protein, LYSR family							
					50	46	50.0000	60.3430								
FN0505	0.947	11.277	7.569e-2	1.579e-1	28	31	38.3639	37.6559	AAL94701.1  Anthranilate synthase component II							
					100	26	100.0000	34.1069								
FN0506	-0.638	14.994	2.51e-2	3.606e-2	134	182	183.5987	221.0765	AAL94702.1  Arginyl-tRNA synthetase							
					106	175	106.0000	229.5659								
FN0511	0.404	11.177	2.162e-1	6.149e-1	10	30	13.7014	36.4412	AAL94707.1  D-lactate dehydrogenase							
					97	36	97.0000	47.2250								
FN0512	0.714	15.779	4.243e-4	1.178e-4	223	145	305.5412	176.1324	AAL94708.1  Flavoprotein							
					302	148	302.0000	194.1472								
FN0513	-1.712	8.768	1.029e-3	4.909e-4	11	32	15.0715	38.8706	AAL94709.1  Flavodoxin							
					8	28	8.0000	36.7305								
FN0515	-0.928	4.098				4		4.8588	AAL94711.1  Acriflavin resistance protein D							
					3	5	3.0000	6.5590								
FN0516									AAL94712.1  Acriflavin resistance protein E							
					4		4.0000									
FN0517									AAL94713.1  Outer membrane protein toIC							
					5		5.0000									
FN0519	0.080	6.962	2.602e-1	7.842e-1	8	6	10.9611	7.2882	AAL94715.1  Hypothetical exported 24-amino acid repeat protein							
					12	11	12.0000	14.4299								
FN0522	0.833	5.810				6		7.2882	AAL94718.1  Exonuclease SBCC							
					10	3	10.0000	3.9354								
FN0523	-2.435	6.514			3	15	4.1104	18.2206	AAL94719.1  Exonuclease SBCCD							
						20		26.2361								
FN0524					5		6.8507		AAL94720.1  DNA helicase II							
					9		9.0000									
FN0525	-1.036	14.898	3.154e-2	4.824e-2	38	196	52.0653	238.0824	AAL94721.1  Penicillin-binding protein							
					192	200	192.0000	262.3611								
FN0526	0.310	11.406				36		43.7294	AAL94722.1  Florfenicol resistance protein							
					58	38	58.0000	49.8486								
FN0527	0.950	9.787	6.384e-3	6.342e-3	26	19	35.6236	23.0794	AAL94723.1  Alanyl-tRNA synthetase							
					47	15	47.0000	19.6771								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0528	-2.764	18.819	1.531e-3	8.813e-4	340	1436	465.8475	1744.3181	AAL94724.1  Cold shock protein							
					56	1373	56.0000	1801.1086								
FN0535	0.648	10.623	3.787e-3	3.085e-3	39	22	53.4355	26.7235	AAL94731.1  Hypothetical protein							
					46	28	46.0000	36.7305								
FN0536	-0.352	15.236	7.724e-2	1.622e-1	94	184	128.7931	223.5059	AAL94732.1  DNA polymerase III, beta chain							
					219	168	219.0000	220.3833								
FN0540	-0.944	11.020	4.112e-2	6.849e-2	10	49	13.7014	59.5206	AAL94736.1  Glutamate-1-semialdehyde 2,1-aminomutase							
					52	51	52.0000	66.9021								
FN0541						6		7.2882	AAL94737.1  polysaccharide deacetylase							
						15		19.6771								
FN0542	0.849	8.771	1.668e-1	4.372e-1	3	17	4.1104	20.6500	AAL94738.1  Beta 1,4 glucosyltransferase							
					52	8	52.0000	10.4944								
FN0543	-1.094	10.321	2.493e-2	3.574e-2	8	45	10.9611	54.6618	AAL94739.1  Lipopolysaccharide heptosyltransferase-1							
					38	38	38.0000	49.8486								
FN0544									AAL94740.1  ADP-heptose:LPS heptosyltransferase II							
					3		3.0000									
FN0546	-0.281	5.451				6		7.2882	AAL94742.1  Lipopolysaccharide core biosynthesis protein rfaQ							
					6		6.0000									
FN0547	-1.334	16.732	7.476e-3	7.902e-3	88	425	120.5723	516.2501	AAL94743.1  RecA protein							
					295	405	295.0000	531.2811								
FN0549									AAL94745.1  O-sialoglycoprotein endopeptidase							
						3		3.9354								
FN0550					34		46.5848		AAL94746.1  hypothetical Protein							
					16		16.0000									
FN0552	0.538	8.751	4.343e-2	7.384e-2	19	10	26.0327	12.1471	AAL94748.1  Serine racemase							
					24	17	24.0000	22.3007								
FN0553	0.711	13.762	9.265e-2	2.057e-1	64	75	87.6890	91.1030	AAL94749.1  D-serine dehydratase							
					214	71	214.0000	93.1382								
FN0554	1.694	6.477			8		10.9611		AAL94750.1  D-serine permease							
					23	4	23.0000	5.2472								
FN0556	-0.194	12.234	2.387e-1	6.989e-1	75	65	102.7605	78.9559	AAL94752.1  unknown							
					27	53	27.0000	69.5257								

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Proteins found: 1338

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0557	1.582	12.845	4.794e-2	8.458e-2	59	46	80.8383	55.8765	AAL94753.1  unknown							
					216	33	216.0000	43.2896								
FN0558	2.171	14.188				52		63.1647	AAL94754.1  TraT complement resistance protein precursor							
					290	50	290.0000	65.5903								
FN0559	0.991	14.564	4.928e-2	8.779e-2	105	90	143.8647	109.3236	AAL94755.1  Phosphoglucomutase							
					295	85	295.0000	111.5034								
FN0561	-0.125	11.120	1.507e-1	3.821e-1	28	39	38.3639	47.3735	AAL94757.1  Proline synthetase associated protein							
					52	39	52.0000	51.1604								
FN0562	-0.332	13.764	6.792e-2	1.372e-1	60	98	82.2084	119.0412	AAL94758.1  Hypothetical cytosolic protein							
					128	111	128.0000	145.6104								
FN0563	-1.631	7.755	9.49e-3	1.066e-2	10	21	13.7014	25.5088	AAL94759.1  putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					3	20	3.0000	26.2361								
FN0574						3		3.6441	AAL94770.1  Hypothetical cytosolic protein							
FN0576	-0.794	11.518	4.822e-3	4.344e-3	25	58	34.2535	70.4530	AAL94772.1  hypothetical protein							
					48	55	48.0000	72.1493								
FN0577	1.068	5.851							AAL94773.1  Hypothetical protein							
					11	4	11.0000	5.2472								
FN0579	1.502	18.883	2.34e-2	3.3e-2	1109	341	1519.4851	414.2148	AAL94775.1  Hypothetical cytosolic protein							
					821	314	821.0000	411.9069								
FN0580	-2.833	6.833				21		25.5088	AAL94776.1  Penicillin-binding protein							
					4	24	4.0000	31.4833								
FN0581	-1.229	7.229				19		23.0794	AAL94777.1  Lipoprotein releasing system transmembrane protein lolE							
					8	11	8.0000	14.4299								
FN0582	-1.440	9.780				34		41.3000	AAL94778.1  Lipoprotein releasing system ATP-binding protein lolD							
					18	43	18.0000	56.4076								
FN0583	1.304	7.480				7		8.5029	AAL94779.1  Hypothetical Exported Protein							
					21		21.0000									
FN0585	0.893	7.198	1.115e-1	2.601e-1	19	6	26.0327	7.2882	AAL94781.1  Two-component response regulator czcR							
					7	8	7.0000	10.4944								
FN0586	0.879	6.522				3		3.6441	AAL94782.1  Two-component sensor kinase czcS							
					13	8	13.0000	10.4944								

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Find ORFs

Test Cutoff

q-Value .005

p-Value

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

Dot Plots Dot Plots

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0590	0.905	8.602	1.142e-1	2.679e-1	8	14	10.9611	17.0059	AAL94786.1  N-acyl-L-amino acid amidohydrolase							
					43	9	43.0000	11.8062								
FN0592	-0.593	12.849	8.665e-4	3.742e-4	51	84	69.8771	102.0353	AAL94788.1  ATP-dependent DNA helicase pcrA							
					70	83	70.0000	108.8798								
FN0593	-0.011	11.085	2.828e-1	8.792e-1	32	36	43.8445	43.7294	AAL94789.1  UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase							
					49	38	49.0000	49.8486								
FN0594	4.420	10.596				7		8.5029	AAL94790.1  (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase							
					182		182.0000									
FN0595	0.421	9.089				17		20.6500	AAL94791.1  Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase							
					27	15	27.0000	19.6771								
FN0596	-0.887	9.143	1.623e-2	2.057e-2	8	23	10.9611	27.9382	AAL94792.1  Hypothetical protein							
					24	28	24.0000	36.7305								
FN0597	-0.057	10.396	2.393e-1	7.015e-1	27	26	36.9938	31.5824	AAL94793.1  Lipid-A-disaccharide synthase							
					35	33	35.0000	43.2896								
FN0598	-1.214	8.786	2.897e-3	2.133e-3	7	30	9.5910	36.4412	AAL94794.1  Phospholipid-lipopolysaccharide ABC transporter							
					18	21	18.0000	27.5479								
FN0600	-0.134	12.447	2.673e-1	8.134e-1	18	63	24.6625	76.5265	AAL94796.1  Hypothetical protein							
					118	61	118.0000	80.0201								
FN0601						31		37.6559	AAL94797.1  Hypothetical exported 24-amino acid repeat protein							
						27		35.4187								
FN0602	-0.450	14.400	1.856e-2	2.459e-2	107	148	146.6050	179.7765	AAL94798.1  Hypothetical protein							
					105	125	105.0000	163.9757								
FN0603	0.608	5.392							AAL94799.1  Transcriptional regulatory protein, LYSR family							
					8	4	8.0000	5.2472								
FN0608	1.321	12.367	3.34e-2	5.204e-2	56	39	76.7278	47.3735	AAL94804.1  Exoribonuclease II							
					153	34	153.0000	44.6014								
FN0609									AAL94805.1  Small protein B							
					6		6.0000									
FN0610	-0.386	15.997	1.266e-1	3.055e-1	93	248	127.4230	301.2471	AAL94806.1  unknown							
					320	216	320.0000	283.3499								
FN0611	0.008	18.655	2.588e-1	7.784e-1	461	541	631.6345	657.1561	AAL94807.1  Threonyl-tRNA synthetase							
					657	476	657.0000	624.4193								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0612	-1.943	12.544	1.296e-3	7.08e-4	13	107	17.8118	129.9736	AAL94808.1  Hypothetical protein							
					61	132	61.0000	173.1583								
FN0615					3		4.1104		AAL94811.1  Export ABC transporter							
FN0616	-3.077	8.692				53		64.3794	AAL94812.1  Hypothetical protein							
					7	41	7.0000	53.7840								
FN0617	0.513	16.384	1.465e-1	3.681e-1	380	200	520.6531	242.9412	AAL94813.1  DNA polymerase III, beta chain							
					178	188	178.0000	246.6194								
FN0618	-0.465	14.090	1.212e-1	2.89e-1	40	128	54.8056	155.4824	AAL94814.1  Spermidine/putrescine-binding protein							
					170	118	170.0000	154.7930								
FN0619	-1.035	8.489	3.386e-2	5.301e-2	4	22	5.4806	26.7235	AAL94815.1  Small-conductance mechanosensitive channel							
					21	21	21.0000	27.5479								
FN0621	-0.074	11.610	2.679e-1	8.158e-1	54	48	73.9876	58.3059	AAL94817.1  4-hydroxybutyrate coenzyme A transferase							
					35	43	35.0000	56.4076								
FN0622	2.520	7.838	4.561e-2	7.908e-2	12	5	16.4417	6.0735	AAL94818.1  8-oxoguanine DNA glycosylase							
					56	5	56.0000	6.5590								
FN0625	-0.443	9.165			15	19	20.5521	23.0794	AAL94821.1  Aspartate aminotransferase							
						25		32.7951								
FN0627	-1.099	14.249	1.614e-2	2.042e-2	37	158	50.6952	191.9236	AAL94823.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					140	165	140.0000	216.4479								
FN0628						3		3.6441	AAL94824.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
						7		9.1826								
FN0629	-0.251	8.251				13		15.7912	AAL94825.1  PTS system, IID component							
					16	17	16.0000	22.3007								
FN0630									AAL94826.1  PTS system, IIC component							
						11		14.4299								
FN0631	-0.334	8.509				18		21.8647	AAL94827.1  PTS system, IIB component							
					17	16	17.0000	20.9889								
FN0633	0.570	7.244				8		9.7176	AAL94829.1  Replication protein							
					15	8	15.0000	10.4944								
FN0634	-0.481	14.010	1.474e-1	3.711e-1	131	117	179.4883	142.1206	AAL94830.1  GTP-binding protein TypA/BipA							
					38	123	38.0000	161.3520								

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p-Value

.005

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN0636</b>						6		7.2882	AAL94832.1  Hypothetical protein							
<b>FN0637</b>						6		7.2882	AAL94833.1  Hypothetical exported 24-amino acid repeat protein							
						7		9.1826								
<b>FN0643</b>	0.764	9.037	6.087e-2	1.184e-1	29	16	39.7341	19.4353	AAL94839.1  hypothetical DNA-binding protein							
					20	12	20.0000	15.7417								
<b>FN0644</b>	-0.006	11.352	2.955e-1	9.351e-1	38	39	52.0653	47.3735	AAL94840.1  Uroporphyrin-III C-methyltransferase							
					50	42	50.0000	55.0958								
<b>FN0645</b>	-0.441	6.247	1.22e-1	2.915e-1	8	7	10.9611	8.5029	AAL94841.1  Porphobilinogen deaminase							
					4	9	4.0000	11.8062								
<b>FN0649</b>					6		8.2208		AAL94845.1  Exoenzymes regulatory protein aepA precursor							
<b>FN0652</b>	1.042	23.635	5.399e-2	9.959e-2	2352	2050	3222.5689	2490.1477	AAL94848.1  Glyceraldehyde 3-phosphate dehydrogenase							
					7137	1937	7137.0000	2540.9668								
<b>FN0653</b>	0.280	11.739	1.59e-1	4.101e-1	32	42	43.8445	51.0177	AAL94849.1  unknown							
					85	42	85.0000	55.0958								
<b>FN0654</b>	-0.077	18.744	2.383e-1	6.975e-1	368	532	504.2115	646.2237	AAL94850.1  Phosphoglycerate kinase							
					786	545	786.0000	714.9339								
<b>FN0655</b>	-2.886	9.805				54		65.5941	AAL94851.1  unknown							
					11	74	11.0000	97.0736								
<b>FN0656</b>						64		77.7412	AAL94852.1  Hypothetical protein							
						76		99.6972								
<b>FN0657</b>	1.009	7.910				9		10.9324	AAL94853.1  Acetyltransferase							
					22		22.0000									
<b>FN0658</b>	-1.362	13.326	3.023e-4	7.136e-5	47	139	64.3966	168.8442	AAL94854.1  ABC transporter substrate-binding protein							
					62	119	62.0000	156.1048								
<b>FN0660</b>	-0.313	7.005	6.954e-2	1.414e-1	9	10	12.3313	12.1471	AAL94856.1  ABC transporter ATP-binding protein							
					8	10	8.0000	13.1181								
<b>FN0662</b>	0.384	11.041	2.322e-1	6.744e-1	5	37	6.8507	44.9441	AAL94858.1  Formiminoglutamase							
					98	27	98.0000	35.4187								
<b>FN0664</b>	-1.329	13.462	7.1e-3	7.367e-3	73	126	100.0202	153.0530	AAL94860.1  2-nitropropane dioxygenase							
					34	140	34.0000	183.6527								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0666						9		10.9324	AAL94862.1  Hypothetical protein							
						10		13.1181								
FN0668	-0.885	9.350	3.602e-2	5.742e-2	7	28	9.5910	34.0118	AAL94864.1  High-affinity zinc uptake system protein znuA precursor							
					28	27	28.0000	35.4187								
FN0672									AAL94868.1  ATPase							
					8		8.0000									
FN0675	0.293	20.681	2.319e-1	6.732e-1	331	936	453.5163	1136.9650	AAL94871.1  60 kDa chaperonin GROEL							
					2417	919	2417.0000	1205.5490								
FN0676	-2.238	13.222				193		234.4383	AAL94872.1  10 kDa chaperonin GROES							
					45	145	45.0000	190.2118								
FN0677	-0.452	12.428	7.458e-2	1.549e-1	62	76	84.9487	92.3177	AAL94873.1  Hypothetical protein							
					42	62	42.0000	81.3319								
FN0678	-2.001	10.975	3.84e-3	3.143e-3	5	70	6.8507	85.0294	AAL94874.1  Ser/Thr protein kinase							
					38	72	38.0000	94.4500								
FN0679	-0.047	8.116	2.976e-1	9.447e-1	21	16	28.7729	19.4353	AAL94875.1  GTPase							
					4	11	4.0000	14.4299								
FN0680									AAL94876.1  Ribulose-phosphate 3-epimerase							
					8		8.0000									
FN0681	0.072	16.439	2.266e-1	6.533e-1	260	227	356.2364	275.7383	AAL94877.1  Transcriptional regulator, MarR family							
					255	233	255.0000	305.6506								
FN0682	-0.287	8.933	1.441e-1	3.602e-1	19	24	26.0327	29.1529	AAL94878.1  Fibronectin-binding protein-like protein A							
					14	15	14.0000	19.6771								
FN0684									AAL94880.1  Prismane protein							
					8		10.9611									
FN0685	1.715	11.795				25		30.3677	AAL94881.1  Sodium/pantothenate symporter							
					108	27	108.0000	35.4187								
FN0688	-0.814	10.428				40		48.5882	AAL94884.1  Hypothetical protein							
					28	38	28.0000	49.8486								
FN0689	-1.400	15.034	7.674e-3	8.181e-3	42	234	57.5459	284.2413	AAL94885.1  Hypothetical protein							
					168	237	168.0000	310.8979								
FN0692						12		14.5765	AAL94888.1  Nitrogen regulation protein NIFR3							
						18		23.6125								

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Test Cutoff

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0693	-0.715	9.438			15	21	20.5521	25.5088	AAL94889.1  DNA mismatch repair protein mutS							
						32		41.9778								
FN0694	-1.205	11.775	2.013e-3	1.303e-3	27	67	36.9938	81.3853	AAL94890.1  S-layer protein							
					41	75	41.0000	98.3854								
FN0695	-0.255	9.735	1.841e-1	5.011e-1	12	32	16.4417	38.8706	AAL94891.1  ABC transporter ATP-binding protein							
					37	19	37.0000	24.9243								
FN0697	-0.888	15.023	2.426e-3	1.676e-3	114	210	156.1959	255.0883	AAL94893.1  Alanyl-tRNA synthetase							
					112	184	112.0000	241.3722								
FN0699	-2.041	12.095	2.411e-4	5.118e-5	33	101	45.2146	122.6853	AAL94895.1  Protein translocase subunit secD							
					20	111	20.0000	145.6104								
FN0700	-1.970	10.170	8.457e-4	3.581e-4	17	48	23.2924	58.3059	AAL94896.1  Protein translocase subunit secF							
					11	58	11.0000	76.0847								
FN0701	-0.323	15.171	7.1e-4	2.664e-4	120	182	164.4168	221.0765	AAL94897.1  Methyltransferase							
					179	159	179.0000	208.5770								
FN0705	-0.948	13.356	6.438e-3	6.416e-3	39	123	53.4355	149.4089	AAL94901.1  DNA polymerase I							
					94	103	94.0000	135.1159								
FN0706						6		7.2882	AAL94902.1  Hypothetical cytosolic protein							
						10		13.1181								
FN0707	-0.919	8.340	2.628e-2	3.818e-2	14	17	19.1820	20.6500	AAL94903.1  Riboflavin kinase							
					7	22	7.0000	28.8597								
FN0710	-0.325	11.975	3.353e-2	5.231e-2	47	64	64.3966	77.7412	AAL94906.1  Hypothetical protein							
					49	49	49.0000	64.2785								
FN0711	0.574	7.601				8		9.7176	AAL94907.1  Phosphopantothenate--cysteine ligase							
					17	10	17.0000	13.1181								
FN0714					7		9.5910		AAL94910.1  NADH oxidase							
					7		7.0000									
FN0715	0.137	14.316	2.68e-1	8.164e-1	177	113	242.5148	137.2618	AAL94911.1  Hypothetical protein							
					57	103	57.0000	135.1159								
FN0716	-0.970	11.302	2.889e-2	4.303e-2	40	65	54.8056	78.9559	AAL94912.1  hypothetical protein							
					17	47	17.0000	61.6548								
FN0717						6		7.8708	AAL94913.1  Ribosomal small subunit pseudouridine synthase A							

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0719						9		10.9324	AAL94915.1  Hypothetical cytosolic protein							
						8		10.4944								
FN0720	-1.271	13.663	1.901e-4	3.531e-5	45	139	61.6563	168.8442	AAL94916.1  Protein Translation Elongation Factor P (EF-P)							
					85	141	85.0000	184.9645								
FN0721	-2.523	10.323	1.122e-3	5.666e-4	5	70	6.8507	85.0294	AAL94917.1  Hypothetical protein							
					23	66	23.0000	86.5791								
FN0722	-0.674	7.275	4.278e-2	7.23e-2	10	14	13.7014	17.0059	AAL94918.1  WD-repeat family protein							
					6	11	6.0000	14.4299								
FN0723									AAL94919.1  Hypothetical protein							
					4		4.0000									
FN0724	0.527	10.961	1.99e-3	1.28e-3	41	31	56.1757	37.6559	AAL94920.1  Flavodoxin							
					51	28	51.0000	36.7305								
FN0725	0.639	7.469	1.276e-1	3.087e-1	6	10	8.2208	12.1471	AAL94921.1  Molybdopterin biosynthesis MoeB protein							
					25	7	25.0000	9.1826								
FN0728	0.390	10.411	3.142e-3	2.396e-3	31	25	42.4743	30.3677	AAL94924.1  Hypothetical protein							
					42	26	42.0000	34.1069								
FN0729	-0.595	15.069	5.641e-2	1.06e-1	153	197	209.6314	239.2971	AAL94925.1  Phosphoglycerate mutase							
					92	165	92.0000	216.4479								
FN0731	0.969	9.971	6.08e-2	1.182e-1	45	20	61.6563	24.2941	AAL94927.1  Hypothetical protein							
					27	16	27.0000	20.9889								
FN0733	-0.641	13.087	1.256e-2	1.49e-2	66	100	90.4292	121.4706	AAL94929.1  Peptidase T							
					59	85	59.0000	111.5034								
FN0734						9		10.9324	AAL94930.1  Fe-S oxidoreductase							
						9		11.8062								
FN0735	0.018	13.715	3.04e-1	9.736e-1	136	99	186.3390	120.2559	AAL94931.1  Cell surface protein							
					47	84	47.0000	110.1916								
FN0736					5		6.8507		AAL94932.1  Methyltransferase							
					6		6.0000									
FN0738	-0.806	11.458	7.814e-4	3.119e-4	33	55	45.2146	66.8088	AAL94934.1  Hypothetical exported 24-amino acid repeat protein							
					35	56	35.0000	73.4611								
FN0739	-0.513	15.451	1.985e-3	1.275e-3	125	196	171.2675	238.0824	AAL94935.1  Formiminotetrahydrofolate cyclodeaminase							
					183	204	183.0000	267.6083								

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Proteins found: 1338

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Test Cutoff

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0740	-0.223	17.608	2.153e-1	6.116e-1	147	401	201.4106	487.0972	AAL94936.1  Imidazolonepropionase							
					626	365	626.0000	478.8089								
FN0741	-0.254	18.286	1.884e-1	5.171e-1	206	525	282.2488	637.7208	AAL94937.1  Glutamate formiminotransferase							
					753	455	753.0000	596.8714								
FN0742	-0.400	12.066				72		87.4588	AAL94938.1  unknown							
					57	48	57.0000	62.9667								
FN0743						9		10.9324	AAL94939.1  ATP-dependent helicase, DinG family							
						9		11.8062								
FN0745	-0.804	14.359	2.971e-2	4.461e-2	47	135	64.3966	163.9853	AAL94941.1  metal dependent phosphohydrolase							
					155	167	155.0000	219.0715								
FN0746	0.470	7.371			17	9	23.2924	10.9324	AAL94942.1  Hypothetical Metal-Binding Protein							
					7		7.0000									
FN0749						10		12.1471	AAL94945.1  Hypothetical protein							
						6		7.8708								
FN0750	-0.814	9.463	6.976e-3	7.184e-3	11	31	15.0715	37.6559	AAL94946.1  Hypothetical protein							
					25	25	25.0000	32.7951								
FN0751	-0.553	8.549	4.505e-2	7.772e-2	8	17	10.9611	20.6500	AAL94947.1  L-asparaginase I							
					21	20	21.0000	26.2361								
FN0752	-0.408	8.171	1.659e-1	4.341e-1	4	16	5.4806	19.4353	AAL94948.1  Proline iminopeptidase							
					24	15	24.0000	19.6771								
FN0753	0.623	12.598	6.089e-3	5.94e-3	74	44	101.3903	53.4471	AAL94949.1  Glutamyl-tRNA(Gln) amidotransferase subunit B							
					94	56	94.0000	73.4611								
FN0754	-0.166	13.764	1.542e-1	3.937e-1	64	102	87.6890	123.9000	AAL94950.1  Glutamyl-tRNA(Gln) amidotransferase subunit A							
					135	96	135.0000	125.9333								
FN0755	-0.990	10.984	4.575e-3	4.019e-3	24	58	32.8834	70.4530	AAL94951.1  Glutamyl-tRNA(Gln) amidotransferase subunit C							
					31	43	31.0000	56.4076								
FN0758	-0.636	15.014	6.197e-4	2.131e-4	97	179	132.9036	217.4324	AAL94954.1  Rod shape-determining protein mreB							
					159	180	159.0000	236.1249								
FN0761	1.146	9.350				11		13.3618	AAL94957.1  Bvg accessory factor							
					38	16	38.0000	20.9889								
FN0765	-0.706	6.321				8		9.7176	AAL94961.1  tRNA (5-methylaminomethyl -2-thiouridylate) -methyltransferase							
					7	10	7.0000	13.1181								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0766						15		18.2206	AAL94962.1  Large-conductance mechanosensitive channel							
						16		20.9889								
FN0768	-1.501	5.501				10		12.1471	AAL94964.1  Hemin receptor							
					4	8	4.0000	10.4944								
FN0771									AAL94967.1  Oxygen-independent coproporphyrinogen III oxidase							
						14		18.3653								
FN0772						7		8.5029	AAL94968.1  Flavodoxin							
						3		3.9354								
FN0774	-1.485	13.578	9.811e-4	4.556e-4	60	148	82.2084	179.7765	AAL94970.1  Hypothetical cytosolic protein							
					50	145	50.0000	190.2118								
FN0775	-0.365	16.737	1.277e-1	3.09e-1	126	313	172.6376	380.2030	AAL94971.1  Aspartyl aminopeptidase							
					410	282	410.0000	369.9291								
FN0776	-0.544	12.818	9.877e-3	1.119e-2	48	75	65.7667	91.1030	AAL94972.1  Aspartate-ammonia ligase							
					75	87	75.0000	114.1271								
FN0777	-0.718	11.661	1.643e-2	2.09e-2	29	50	39.7341	60.7353	AAL94973.1  GTP-binding protein lepA							
					49	65	49.0000	85.2673								
FN0778	-1.013	9.000	3.391e-2	5.311e-2	5	27	6.8507	32.7971	AAL94974.1  Methyltransferase							
					25	24	25.0000	31.4833								
FN0779									AAL94975.1  Putative GTPases (G3E family)							
					5		5.0000									
FN0783	0.114	23.085	1.388e-1	3.433e-1	2527	2445	3462.3434	2969.9567	AAL94979.1  acyl-CoA dehydrogenase							
					2744	2107	2744.0000	2763.9737								
FN0784	-0.300	22.413	8.082e-2	1.723e-1	1903	2170	2607.3761	2635.9125	AAL94980.1  Electron transfer flavoprotein beta-subunit							
					1653	1988	1653.0000	2607.8689								
FN0785	0.019	21.833	2.747e-1	8.446e-1	1553	1670	2127.8272	2028.5594	AAL94981.1  Electron transfer flavoprotein alpha-subunit							
					1763	1381	1763.0000	1811.6031								
FN0788	0.597	9.459	5.714e-3	5.441e-3	25	15	34.2535	18.2206	AAL94984.1  unknown							
					31	19	31.0000	24.9243								
FN0790	-1.542	6.739	1.755e-3	1.065e-3	3	15	4.1104	18.2206	AAL94986.1  Xylose repressor							
					8	13	8.0000	17.0535								
FN0791	-0.142	18.534	1.267e-1	3.059e-1	367	558	502.8413	677.8061	AAL94987.1  Histidine ammonia-lyase							
					670	470	670.0000	616.5485								

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no	n/a	bars
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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0792	0.041	20.440	2.873e-1	8.985e-1	573	1002	785.0901	1217.1356	AAL94988.1  Urocanate hydratase							
					1635	865	1635.0000	1134.7116								
FN0793	-0.749	7.919				17		20.6500	AAL94989.1  Sodium/glutamate symport carrier protein							
					12	15	12.0000	19.6771								
FN0794	0.570	7.244				8		9.7176	AAL94990.1  Hypothetical protein							
					15	8	15.0000	10.4944								
FN0796	-0.165	15.072	1.399e-1	3.468e-1	104	168	142.4945	204.0706	AAL94992.1  Pyruvate,phosphate dikinase							
					208	144	208.0000	188.9000								
FN0798	-0.232	7.274	2.163e-1	6.154e-1	8	6	10.9611	7.2882	AAL94994.1  Fructose-1,6-bisphosphatase							
					12	15	12.0000	19.6771								
FN0799	0.417	8.365	1.651e-1	4.315e-1	8	14	10.9611	17.0059	AAL94995.1  Isoamylase							
					31	11	31.0000	14.4299								
FN0800	-0.203	10.414	2.558e-1	7.663e-1	5	35	6.8507	42.5147	AAL94996.1  Amino acid-binding protein							
					62	28	62.0000	36.7305								
FN0801	0.663	7.677				9		10.9324	AAL94997.1  Amino acid transport ATP-binding protein							
					18	9	18.0000	11.8062								
FN0802									AAL94998.1  Amino acid transport system permease protein							
					6		6.0000									
FN0803	-1.108	12.619	9.426e-3	1.057e-2	46	114	63.0264	138.4765	AAL94999.1  Cytochrome C-TYPE biogenesis protein ccdA							
					45	72	45.0000	94.4500								
FN0805	1.098	6.525			11		15.0715		AAL95001.1  Hypothetical protein							
					13	5	13.0000	6.5590								
FN0806	-0.933	12.992	3.472e-3	2.747e-3	45	92	61.6563	111.7530	AAL95002.1  SpoIID homolog							
					69	105	69.0000	137.7396								
FN0807	-0.123	10.335	2.081e-1	5.857e-1	24	38	32.8834	46.1588	AAL95003.1  3-deoxy-manno-octulosonate cytidyltransferase							
					36	22	36.0000	28.8597								
FN0808	0.194	12.115	7.773e-2	1.635e-1	58	55	79.4681	66.8088	AAL95004.1  Phosphoglycerate mutase							
					63	44	63.0000	57.7194								
FN0809	-1.688	7.688				23		27.9382	AAL95005.1  23S rRNA methyltransferase							
					8	18	8.0000	23.6125								
FN0810	-0.040	11.620	2.449e-1	7.231e-1	45	44	61.6563	53.4471	AAL95006.1  Low-specificity threonine aldolase							
					49	46	49.0000	60.3430								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0813	1.746	8.898				11		13.3618	AAL95009.1  Transcriptional regulator, TetR family							
					40	8	40.0000	10.4944								
FN0814	-3.939	13.406	4.364e-6	2.23e-7	33	322	45.2146	391.1354	AAL95010.1  Propionate CoA-transferase							
					8	324	8.0000	425.0249								
FN0815						47		57.0912	AAL95011.1  Propionate permease							
						39		51.1604								
FN0816	-2.404	13.956			40	228	54.8056	276.9530	AAL95012.1  dehydrogenase with MaoC-like domain							
								303.0270								
FN0818	-0.807	19.104	2.353e-2	3.323e-2	567	761	776.8693	924.3914	AAL95014.1  DNA-binding protein HU							
					358	809	358.0000	1061.2505								
FN0819	-0.455	11.840	4.324e-2	7.337e-2	47	53	64.3966	64.3794	AAL95015.1  Tetratricopeptide repeat family protein							
					39	59	39.0000	77.3965								
FN0820	-0.033	14.729	2.787e-1	8.615e-1	94	134	128.7931	162.7706	AAL95016.1  Mercuric reductase							
					197	130	197.0000	170.5347								
FN0821	-0.301	13.129	1.883e-1	5.166e-1	96	79	131.5334	95.9618	AAL95017.1  Hypothetical protein							
					39	87	39.0000	114.1271								
FN0823	1.149	9.558	2.902e-2	4.329e-2	21	12	28.7729	14.5765	AAL95019.1  GTP-binding protein hflX							
					53	17	53.0000	22.3007								
FN0825	-1.068	12.189	1.567e-2	1.965e-2	20	83	27.4028	100.8206	AAL95021.1  Hypothetical cytosolic protein							
					67	74	67.0000	97.0736								
FN0826	-1.809	9.442	4.137e-4	1.131e-4	14	37	19.1820	44.9441	AAL95022.1  periplasmic component of efflux system							
					9	41	9.0000	53.7840								
FN0827	-2.166	9.449	9.592e-3	1.08e-2	8	35	10.9611	42.5147	AAL95023.1  ABC transporter ATP-binding protein							
					14	53	14.0000	69.5257								
FN0828						17		20.6500	AAL95024.1  ABC transporter permease protein							
						15		19.6771								
FN0830	1.059	11.207	1.03e-3	4.918e-4	55	22	75.3577	26.7235	AAL95026.1  Hypothetical protein							
					65	31	65.0000	40.6660								
FN0831					13		17.8118		AAL95027.1  Hemin receptor							
					6		6.0000									
FN0832	0.110	12.638	2.816e-1	8.741e-1	105	65	143.8647	78.9559	AAL95028.1  Hypothetical protein							
					22	57	22.0000	74.7729								

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0833	-3.561	8.205				41		49.8030	AAL95029.1  Hypothetical protein							
					5	52	5.0000	68.2139								
FN0834	-0.508	10.209	1.577e-1	4.055e-1	37	33	50.6952	40.0853	AAL95030.1  Hypothetical Exported Protein							
					7	32	7.0000	41.9778								
FN0835					27		36.9938		AAL95031.1  Hypothetical protein							
					4		4.0000									
FN0836	1.061	8.887	5.62e-2	1.054e-1	32	14	43.8445	17.0059	AAL95032.1  Hypothetical protein							
					19	10	19.0000	13.1181								
FN0846	0.094	13.359	1.674e-1	4.394e-1	83	91	113.7216	110.5383	AAL95042.1  Hypothetical Exported Protein							
					98	67	98.0000	87.8910								
FN0847	-1.659	7.659				20		24.2941	AAL95043.1  TPR-repeat-containing proteins							
					8	20	8.0000	26.2361								
FN0848					5		6.8507		AAL95044.1  Hypothetical protein							
FN0849	0.764	11.033	3.726e-3	3.018e-3	44	33	60.2862	40.0853	AAL95045.1  8-amino-7-oxononanoate synthase							
					59	23	59.0000	30.1715								
FN0850	0.248	9.184	1.255e-1	3.022e-1	15	17	20.5521	20.6500	AAL95046.1  Hypothetical cytosolic protein							
					32	18	32.0000	23.6125								
FN0853	0.961	12.611	6.882e-3	7.045e-3	91	48	124.6827	58.3059	AAL95049.1  Glycogen synthase							
					96	42	96.0000	55.0958								
FN0854	1.630	13.097	4.36e-3	3.751e-3	139	39	190.4494	47.3735	AAL95050.1  Glucose-1-phosphate adenylyltransferase							
					139	45	139.0000	59.0312								
FN0855	0.488	14.558	6.521e-2	1.302e-1	102	109	139.7543	132.4030	AAL95051.1  Glucose-1-phosphate adenylyltransferase							
					228	99	228.0000	129.8687								
FN0856	1.224	13.568	1.528e-4	2.598e-5	124	55	169.8973	66.8088	AAL95052.1  1,4-alpha-glucan branching enzyme							
					167	59	167.0000	77.3965								
FN0857	0.317	15.822	9.16e-2	2.026e-1	155	192	212.3717	233.2236	AAL95053.1  Glycogen phosphorylase							
					325	151	325.0000	198.0826								
FN0858	1.039	10.442	1.199e-3	6.356e-4	35	18	47.9549	21.8647	AAL95054.1  4-alpha-glucanotransferase							
					59	23	59.0000	30.1715								
FN0865	2.292	12.857	9.565e-2	2.144e-1	17	36	23.2924	43.7294	AAL95061.1  unknown							
					358	26	358.0000	34.1069								

Show detected proteins only  
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 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0867	-2.181	12.264	1.015e-4	1.38e-5	24	126	32.8834	153.0530	AAL95063.1  Long-chain-fatty-acid--CoA ligase							
					33	111	33.0000	145.6104								
FN0868									AAL95064.1  ATPases of the PP superfamily							
FN0869	-0.713	4.713							AAL95065.1  Hydrolase (HAD superfamily)							
FN0870									AAL95066.1  Rhodanese-related sulfurtransferases							
FN0871	0.193	7.807							AAL95067.1  3-dehydroquinase synthase							
FN0873	1.534	10.390	7.542e-2	1.571e-1					AAL95069.1  Protease IV							
FN0874									AAL95070.1  Phosphohydrolase (MUTT/NUDIX family protein)							
FN0878	-0.755	8.025	4.545e-2	7.868e-2					AAL95074.1  Transcriptional regulator, GntR family							
FN0885									AAL95081.1  Hemin-binding periplasmic protein hmuT precursor							
FN0886									AAL95082.1  Hemin receptor							
FN0887	-1.252	11.062	2.731e-3	1.965e-3					AAL95083.1  Oligoendopeptidase F							
FN0888	-1.032	9.253	3.171e-3	2.428e-3					AAL95084.1  Uracil permease							
FN0889	1.569	8.230	9.02e-2	1.987e-1					AAL95085.1  hypothetical protein							
FN0893	-1.479	7.093							AAL95089.1  Hypothetical protein							
FN0896	-0.599	8.237	6.117e-2	1.193e-1					AAL95092.1  Hypothetical protein							
FN0898									AAL95094.1  Hypothetical protein							
FN0896									AAL95092.1  Hypothetical protein							
FN0898									AAL95094.1  Hypothetical protein							
FN0898									AAL95094.1  Hypothetical protein							

Show detected proteins only  
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 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0900	-0.025	5.001	2.996e-1	9.537e-1	6	4	8.2208	4.8588	AAL95096.1  Metal dependent hydrolase							
					3	5	3.0000	6.5590								
FN0901	0.456	5.883							AAL95097.1  DNA polymerase, bacteriophage-type							
					9	5	9.0000	6.5590								
FN0903	0.985	8.149	1.034e-2	1.181e-2	20	10	27.4028	12.1471	AAL95099.1  Polysialic acid capsule expression protein kpsF							
					20	9	20.0000	11.8062								
FN0904									AAL95100.1  NAD(FAD)-utilizing dehydrogenases							
					4		4.0000									
FN0905									AAL95101.1  Hypothetical protein							
						17		20.6500								
FN0906	-0.153	9.234	8.966e-2	1.971e-1	15	21	20.5521	25.5088	AAL95102.1  Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					26	20	26.0000	26.2361								
FN0908	-0.956	8.770							AAL95104.1  Tpl protein							
					15	24	15.0000	31.4833								
FN0909					7		9.5910		AAL95105.1  DNA repair protein radC							
FN0910	0.050	5.950							AAL95106.1  Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
					8	9	8.0000	11.8062								
FN0911	-0.258	6.598							AAL95107.1  Alpha-ribazole-5'-phosphate phosphatase							
					9	9	9.0000	11.8062								
FN0912									AAL95108.1  Cobalamin [5'-phosphate] synthase							
					19		19.0000									
FN0913	0.177	6.466							AAL95109.1  Cobinamide kinase							
					10	7	10.0000	9.1826								
FN0915	0.563	10.087	1.446e-1	3.619e-1	14	22	19.1820	26.7235	AAL95111.1  PTS system, N-acetylglucosamine-specific IIA component							
					61	21	61.0000	27.5479								
FN0916	-0.426	14.600	6.671e-2	1.341e-1	70	141	95.9098	171.2736	AAL95112.1  Hypothetical Exported Protein							
					176	148	176.0000	194.1472								
FN0917	-1.434	5.434							AAL95113.1  Hypothetical protein							
					4	10	4.0000	13.1181								
FN0920	0.123	6.521							AAL95116.1  Protease HTPX							
					10	7	10.0000	9.1826								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0921	2.442	8.542				5		6.0735	AAL95117.1  Hypothetical protein							
					45	8	45.0000	10.4944								
FN0923									AAL95119.1  Cardiolipin synthetase							
					4		4.0000									
FN0925	-1.009	6.179				8		9.7176	AAL95121.1  Hypothetical protein							
					6	11	6.0000	14.4299								
FN0926	2.552	8.283			31	6	42.4743	7.2882	AAL95122.1  GTP pyrophosphokinase							
					43		43.0000									
FN0928	0.234	6.410				7		8.5029	AAL95124.1  O-sialoglycoprotein endopeptidase							
					10		10.0000									
FN0929									AAL95125.1  ATP/GTP hydrolase							
					12		16.4417									
FN0930	-1.586	6.895	6.277e-3	6.195e-3	7	16	9.5910	19.4353	AAL95126.1  Glycerol-3-phosphate cytidyltransferase							
					3	14	3.0000	18.3653								
FN0932	-0.282	8.096				16		19.4353	AAL95128.1  Hypothetical protein							
					15	13	15.0000	17.0535								
FN0934	1.256	7.529				8		9.7176	AAL95130.1  Chorismate synthase							
					21	6	21.0000	7.8708								
FN0938									AAL95134.1  Hypothetical protein							
					47		47.0000									
FN0940									AAL95136.1  Hypothetical protein							
					41		41.0000									
FN0941	1.593	10.529	3.764e-3	3.06e-3	42	17	57.5459	20.6500	AAL95137.1  Gamma-glutamyltranspeptidase							
					76	18	76.0000	23.6125								
FN0943	1.943	8.232				7		8.5029	AAL95139.1  Sensory Transduction Protein Kinase							
					34	7	34.0000	9.1826								
FN0944									AAL95140.1  Na+ driven multidrug efflux pump							
					4		4.0000									
FN0947	-0.292	12.982	1.46e-1	3.666e-1	80	71	109.6112	86.2441	AAL95143.1  Hypothetical protein							
					53	86	53.0000	112.8153								
FN0949	-1.101	15.535	5.008e-2	8.975e-2	196	251	268.5474	304.8913	AAL95145.1  DNA helicase							
					29	254	29.0000	333.1985								

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1338

Test Cutoff

Signif	Direction	Applies To
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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0951	-0.699	7.680	6.285e-2	1.24e-1	4	16	5.4806	19.4353	AAL95147.1  Precorrin-3B C17-methyltransferase							
					17	13	17.0000	17.0535								
FN0952									AAL95148.1  Cobalamin biosynthesis protein G							
						6		7.8708								
FN0957	0.610	8.568	5.36e-2	9.857e-2	22	13	30.1431	15.7912	AAL95153.1  Precorrin-4 C11-methyltransferase							
					18	12	18.0000	15.7417								
FN0958	0.088	9.464			20	23	27.4028	27.9382	AAL95154.1  unknown							
						18		23.6125								
FN0959	-1.417	8.838	6.722e-3	6.814e-3	14	23	19.1820	27.9382	AAL95155.1  Precorrin-2 C20-methyltransferase							
					7	32	7.0000	41.9778								
FN0961	1.043	6.383	5.123e-2	9.257e-2	6	4	8.2208	4.8588	AAL95157.1  Hypothetical protein							
					18	6	18.0000	7.8708								
FN0962	-0.529	10.719	3.717e-3	3.008e-3	28	38	38.3639	46.1588	AAL95158.1  Hypothetical cytosolic protein							
					30	40	30.0000	52.4722								
FN0964					5		6.8507		AAL95160.1  Precorrin-8W decarboxylase							
					6		6.0000									
FN0965	0.981	10.948	4.022e-3	3.349e-3	51	24	69.8771	29.1529	AAL95161.1  D-3-phosphoglycerate dehydrogenase							
					55	26	55.0000	34.1069								
FN0966									AAL95162.1  Precorrin-6Y C5,15-methyltransferase (decarboxylating)							
					3		3.0000									
FN0967					7		9.5910		AAL95163.1  CbiD protein							
FN0970	-0.918	8.166			9	20	12.3313	24.2941	AAL95166.1  Precorrin-8X methylmutase							
						17		22.3007								
FN0972					3		4.1104		AAL95168.1  Cobyrinic acid a,c-diamide synthase							
					22		22.0000									
FN0974					4		4.0000		AAL95170.1  Lactoylglutathione lyase							
FN0976	0.212	10.842	8.715e-3	9.619e-3	33	31	45.2146	37.6559	AAL95172.1  Hypothetical protein							
					47	32	47.0000	41.9778								
FN0977	0.466	7.027			5	8	6.8507	9.7176	AAL95173.1  Cobyrinic acid synthase							
					20		20.0000									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN0981	-0.541	13.269	9.925e-2	2.25e-1	29	98	39.7341	119.0412	AAL95177.1  Phosphoribosylamine--glycine ligase							
					125	92	125.0000	120.6861								
FN0982	-0.982	15.812	3.046e-3	2.291e-3	101	272	138.3841	330.4001	AAL95178.1  Phosphoribosylaminoimidazolecarboxamide formyltransferase							
					203	262	203.0000	343.6930								
FN0983	-0.487	14.330	1.85e-2	2.448e-2	104	135	142.4945	163.9853	AAL95179.1  Hypothetical protein							
					100	134	100.0000	175.7819								
FN0984	0.262	9.711	6.168e-2	1.208e-1	20	23	27.4028	27.9382	AAL95180.1  Tetracenomycin polyketide synthesis O-methyltransferase tcmP							
					36	19	36.0000	24.9243								
FN0985	-0.225	6.225				10		12.1471	AAL95181.1  Phosphoribosylglycinamide formyltransferase							
					8	5	8.0000	6.5590								
FN0986	0.244	14.606	2.176e-1	6.201e-1	64	119	87.6890	144.5500	AAL95182.1  Phosphoribosylformylglycinamide cyclase							
					256	111	256.0000	145.6104								
FN0987	-0.757	13.564	8.981e-2	1.976e-1	17	106	23.2924	128.7589	AAL95183.1  Amidophosphoribosyltransferase							
					146	120	146.0000	157.4166								
FN0988	-0.446	16.009	5.721e-2	1.081e-1	116	243	158.9362	295.1736	AAL95184.1  Phosphoribosylamidoimidazole-succinocarboxamide synthase							
					281	232	281.0000	304.3388								
FN0989	0.155	14.899	8.33e-2	1.794e-1	121	141	165.7869	171.2736	AAL95185.1  Phosphoribosylaminoimidazole carboxylase catalytic subunit							
					203	122	203.0000	160.0402								
FN0990	-0.490	20.379	9.099e-2	2.009e-1	411	1164	563.1275	1413.9180	AAL95186.1  Phosphoribosylformylglycinamide synthase							
					1408	1032	1408.0000	1353.7830								
FN0991	0.655	8.967	1.629e-2	2.067e-2	22	11	30.1431	13.3618	AAL95187.1  CDP-diacylglycerol--serine O-phosphatidyltransferase							
					26	17	26.0000	22.3007								
FN0992	-1.170	9.310	1.187e-2	1.391e-2	7	32	9.5910	38.8706	AAL95188.1  ADP-heptose:LPS heptosyltransferase II							
					24	28	24.0000	36.7305								
FN0994	-0.521	13.603	1.042e-1	2.392e-1	33	112	45.2146	136.0471	AAL95190.1  Hypothetical protein							
					141	100	141.0000	131.1805								
FN0997	0.196	10.477	2.442e-1	7.205e-1	13	30	17.8118	36.4412	AAL95193.1  Hypothetical protein							
					63	26	63.0000	34.1069								
FN0998	-0.464	14.207	8.798e-2	1.924e-1	52	132	71.2473	160.3412	AAL95194.1  Dipeptide-binding protein							
					163	124	163.0000	162.6639								
FN0999	1.169	10.601	1.08e-1	2.5e-1	14	26	19.1820	31.5824	AAL95195.1  Deblocking aminopeptidase							
					99	16	99.0000	20.9889								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1000	-1.723	10.632			16	63	21.9222	76.5265	AAL95196.1  Biotin synthase							
								68.2139								
FN1001	0.363	10.024	1.78e-1	4.78e-1	14	22	19.1820	26.7235	AAL95197.1  Dethiobiotin synthetase							
					54	23	54.0000	30.1715								
FN1002	0.038	12.127	2.916e-1	9.176e-1	69	59	94.5396	71.6677	AAL95198.1  Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
					41	46	41.0000	60.3430								
FN1003	2.452	12.779	1.031e-1	2.361e-1	6	32	8.2208	38.8706	AAL95199.1  Outer membrane protein P1 precursor							
					384	25	384.0000	32.7951								
FN1004	-0.043	8.170	2.818e-1	8.748e-1	12	10	16.4417	12.1471	AAL95200.1  Transcriptional regulator, TetR family							
					17	17	17.0000	22.3007								
FN1005	-1.383	11.558				78		94.7471	AAL95201.1  Hypothetical protein							
					34	63	34.0000	82.6437								
FN1006									AAL95202.1  Acetyltransferase							
					21		21.0000									
FN1008						4		4.8588	AAL95204.1  Hypothetical protein							
FN1009						8		9.7176	AAL95205.1  Hypothetical protein							
						3		3.9354								
FN1010	0.010	14.731	3.047e-1	9.77e-1	73	128	100.0202	155.4824	AAL95206.1  Hypothetical cytosolic protein							
					231	132	231.0000	173.1583								
FN1011	-0.119	7.081	2.358e-1	6.877e-1	9	7	12.3313	8.5029	AAL95207.1  MGPA protein							
					10	12	10.0000	15.7417								
FN1012	0.540	9.286	1.597e-2	2.014e-2	25	19	34.2535	23.0794	AAL95208.1  HPR(Ser) kinase							
					26	14	26.0000	18.3653								
FN1014	-0.074	8.992				23		27.9382	AAL95210.1  Folylpolyglutamate synthase							
					22	14	22.0000	18.3653								
FN1015	0.151	9.565				16		19.4353	AAL95211.1  5'-methylthioadenosine nucleosidase							
					29	25	29.0000	32.7951								
FN1016	-0.913	8.474	4.779e-2	8.424e-2	4	21	5.4806	25.5088	AAL95212.1  Lipid A biosynthesis lauroyl acyltransferase							
					22	20	22.0000	26.2361								
FN1017	-0.810	13.336	2.757e-2	4.055e-2	34	104	46.5848	126.3294	AAL95213.1  Hypothetical Exported Protein							
					107	109	107.0000	142.9868								

- Show detected proteins only  
 Show all proteins

Filter by category:

GO: amino acid transport

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1019	1.988	22.716	7.01e-4	2.607e-4	3572	1077	4894.1395	1308.2386	AAL95215.1  3-hydroxybutyryl-CoA dehydrogenase							
					5563	1012	5563.0000	1327.5469								
FN1020	1.393	17.148	8.937e-5	1.135e-5	460	195	630.2643	236.8677	AAL95216.1  3-hydroxybutyryl-CoA dehydratase							
					605	178	605.0000	233.5013								
FN1022						26		31.5824	AAL95218.1  Calcium-transporting ATPase							
						45		59.0312								
FN1023					17		17.0000		AAL95219.1  5-Nitroimidazole antibiotic resistance protein							
FN1024	-0.259	20.496	5.749e-2	1.089e-1	934	1079	1279.7106	1310.6680	AAL95220.1  DNA-binding protein HU							
					943	1029	943.0000	1349.8476								
FN1025	0.257	8.083				14		17.0059	AAL95221.1  Guanine-hypoxanthine permease							
						18	18.0000	13.1181								
FN1026						14		17.0059	AAL95222.1  tRNA pseudouridine synthase A							
						6		7.8708								
FN1028	-0.690	10.293	4.263e-2	7.194e-2	21	46	28.7729	55.8765	AAL95224.1  Deoxyuridine 5'-triphosphate nucleotidohydrolase							
					27	26	27.0000	34.1069								
FN1029	-0.677	13.217	6.642e-4	2.383e-4	55	106	75.3577	128.7589	AAL95225.1  Zinc protease							
					79	90	79.0000	118.0625								
FN1030	2.719	6.451				3		3.6441	AAL95226.1  Hypothetical membrane-spanning protein							
					24		24.0000									
FN1031	0.330	6.840				6		7.2882	AAL95227.1  Hypothetical membrane-spanning protein							
					12	9	12.0000	11.8062								
FN1033	-0.493	12.379	2.38e-2	3.371e-2	46	81	63.0264	98.3912	AAL95229.1  Methyltransferase							
					60	57	60.0000	74.7729								
FN1037									AAL95233.1  Hypothetical cytosolic protein							
					15		15.0000									
FN1041					5		6.8507		AAL95237.1  Acetyltransferase							
					16		16.0000									
FN1042	-2.915	10.932	2.608e-4	5.805e-5	14	107	19.1820	129.9736	AAL95238.1  S1 RNA binding domain							
					13	86	13.0000	112.8153								
FN1045						7		8.5029	AAL95241.1  Hypothetical protein							
						4		5.2472								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

Enter (or paste) list of ORFs

Test Cutoff

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

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

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1050	0.963	7.139			22	7	30.1431	8.5029	AAL95246.1  Lactoylglutathione lyase							
					3		3.0000									
FN1053					8		10.9611		AAL95249.1  Hypothetical protein							
FN1055	0.210	11.779	1.959e-1	5.433e-1	31	40	42.4743	48.5882	AAL95251.1  Cysteine synthase							
					85	47	85.0000	61.6548								
FN1057								9.7176	AAL95253.1  Diamine acetyltransferase							
								7.8708								
FN1060	0.259	9.702	2.678e-2	3.909e-2	22	24	30.1431	29.1529	AAL95256.1  hypothetical cytosolic protein							
					33	18	33.0000	23.6125								
FN1062	-0.585	12.657	2.795e-2	4.127e-2	60	80	82.2084	97.1765	AAL95258.1  Hydrolase							
					49	76	49.0000	99.6972								
FN1063	1.195	8.197	1.172e-1	2.768e-1	5	10	6.8507	12.1471	AAL95259.1  N-acyl-L-amino acid amidohydrolase							
					45	8	45.0000	10.4944								
FN1066	-0.017	6.272	3.01e-1	9.601e-1	4	7	5.4806	8.5029	AAL95262.1  Exodeoxyribonuclease VII large subunit							
					12	7	12.0000	9.1826								
FN1067	-1.650	11.075	8.144e-4	3.35e-4	12	75	16.4417	91.1030	AAL95263.1  Tetratricopeptide repeat family protein							
					36	56	36.0000	73.4611								
FN1068					3		4.1104		AAL95264.1  Smf protein							
					16		16.0000									
FN1069	-0.652	12.442	4.102e-4	1.116e-4	46	73	63.0264	88.6736	AAL95265.1  DNA topoisomerase I							
					56	75	56.0000	98.3854								
FN1070	-1.251	7.591				18		21.8647	AAL95266.1  Glucose inhibited division protein A							
					9	16	9.0000	20.9889								
FN1071								5.2472	AAL95267.1  Integrase/recombinase							
						4										
FN1072	-0.740	11.295	5.045e-3	4.61e-3	34	57	46.5848	69.2383	AAL95268.1  GTP-binding protein							
					31	46	31.0000	60.3430								
FN1073	-1.142	6.312				11		13.3618	AAL95269.1  Hypothetical protein							
					6	10	6.0000	13.1181								
FN1074	-0.644	9.742	1.966e-2	2.653e-2	13	30	17.8118	36.4412	AAL95270.1  Signal recognition particle receptor FtsY							
					29	28	29.0000	36.7305								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN1077</b>	2.041	8.217				7		8.5029	AAL95273.1  Hypothetical protein							
					35		35.0000									
<b>FN1078</b>	0.316	15.414	5.335e-2	9.794e-2	195	142	267.1773	172.4883	AAL95274.1  Hypothetical exported 24-amino acid repeat protein							
					199	154	199.0000	202.0180								
<b>FN1079</b>	0.523	18.003	1.197e-1	2.843e-1	267	364	365.8273	442.1531	AAL95275.1  Neutrophil-activating protein A							
					863	315	863.0000	413.2187								
<b>FN1080</b>	-0.972	4.632	3.24e-3	2.504e-3	3	5	4.1104	6.0735	AAL95276.1  Export ABC transporter							
					3	6	3.0000	7.8708								
<b>FN1081</b>	-0.113	10.309			25	34	34.2535	41.3000	AAL95277.1  unknown							
						25		32.7951								
<b>FN1084</b>	-1.661	11.727	1.27e-3	6.878e-4	31	97	42.4743	117.8265	AAL95280.1  unknown							
					23	68	23.0000	89.2028								
<b>FN1085</b>	1.380	12.544	3.034e-3	2.278e-3	101	40	138.3841	48.5882	AAL95281.1  4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					111	36	111.0000	47.2250								
<b>FN1086</b>	-0.345	5.960				6		7.2882	AAL95282.1  Transporter							
					7	8	7.0000	10.4944								
<b>FN1088</b>	-0.324	9.206	8.026e-2	1.707e-1	12	21	16.4417	25.5088	AAL95284.1  NADH oxidase							
					27	22	27.0000	28.8597								
<b>FN1089</b>	2.082	12.161	1.92e-2	2.572e-2	69	25	94.5396	30.3677	AAL95285.1  ATP-binding protein (contains P-loop)							
					184	27	184.0000	35.4187								
<b>FN1091</b>	-1.787	7.371	8.297e-4	3.461e-4	5	21	6.8507	25.5088	AAL95287.1  Sigma factor sigB regulation protein rsbU							
					7	17	7.0000	22.3007								
<b>FN1092</b>	0.197	10.888	2.661e-1	8.086e-1	6	27	8.2208	32.7971	AAL95288.1  Hypothetical protein							
					85	37	85.0000	48.5368								
<b>FN1093</b>	-1.444	11.607	7.89e-4	3.171e-4	29	75	39.7341	91.1030	AAL95289.1  Hypothetical protein							
					28	71	28.0000	93.1382								
<b>FN1094</b>									AAL95290.1  Dolichol-phosphate mannosyltransferase							
					33		33.0000									
<b>FN1095</b>									AAL95291.1  unknown							
					8		10.9611									
<b>FN1096</b>	-0.169	10.967	2.421e-1	7.121e-1	47	36	64.3966	43.7294	AAL95292.1  Hypothetical protein							
					20	39	20.0000	51.1604								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	-	

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1097	-1.064	11.373			26	47	35.6236	57.0912	AAL95293.1  Hypothetical protein							
FN1101									AAL95297.1  ATPase							
FN1102									AAL95298.1  tRNA 2'phosphotransferase							
FN1103	-1.735	11.758	2.231e-4	4.514e-5	23	85	31.5132	103.2500	AAL95299.1  Excinuclease ABC subunit A							
FN1105	-0.290	13.052	1.489e-1	3.76e-1	83	76	113.7216	92.3177	AAL95301.1  Hypothetical protein							
FN1106	-0.657	12.631	1.085e-3	5.357e-4	51	88	69.8771	106.8941	AAL95302.1  L-serine dehydratase							
FN1111									AAL95307.1  Dipeptide-binding protein							
FN1117	-0.613	10.930	8.015e-2	1.704e-1	39	37	53.4355	44.9441	AAL95313.1  LSU ribosomal protein L21P							
FN1119	-0.859	13.803	3.573e-2	5.682e-2	96	142	131.5334	172.4883	AAL95315.1  LSU ribosomal protein L27P							
FN1120	0.799	15.297	6.978e-3	7.186e-3	166	109	227.4432	132.4030	AAL95316.1  Phosphoenolpyruvate carboxykinase (ATP)							
FN1121	-0.372	12.103	4.579e-2	7.952e-2	34	67	46.5848	81.3853	AAL95317.1  hypothetical cytosolic protein							
FN1122	-2.018	13.763	2.365e-3	1.621e-3	41	219	56.1757	266.0207	AAL95318.1  Long-chain-fatty-acid--CoA ligase							
FN1123	-2.046	7.413	5.593e-5	5.847e-6	5	21	6.8507	25.5088	AAL95319.1  Thioredoxin-like protein							
FN1124	-1.027	16.457	1.293e-3	7.057e-4	133	356	182.2286	432.4354	AAL95320.1  Outer membrane porin F							
FN1125	0.845	11.386	1.311e-1	3.194e-1	18	29	24.6625	35.2265	AAL95321.1  LemA protein							
FN1127	1.087	11.860	2.91e-2	4.344e-2	83	30	113.7216	36.4412	AAL95323.1  Hypothetical membrane-spanning protein							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1128	0.334	16.075	1.092e-1	2.535e-1	270	193	369.9378	234.4383	AAL95324.1  Acylamino-acid-releasing enzyme							
					220	178	220.0000	233.5013								
FN1129	-1.843	7.013				16		19.4353	AAL95325.1  Chromosome partition protein smc							
					6	18	6.0000	23.6125								
FN1130	-1.596	6.239				13		15.7912	AAL95326.1  Tetraacyldisaccharide 4'-kinase							
					5	11	5.0000	14.4299								
FN1131	0.502	6.899							AAL95327.1  Hypothetical protein							
					13	7	13.0000	9.1826								
FN1133	0.535	10.186	1.525e-1	3.881e-1	14	24	19.1820	29.1529	AAL95329.1  N-acetylglucosamine-6-phosphate deacetylase							
					63	21	63.0000	27.5479								
FN1134	-0.750	10.293	1.882e-2	2.506e-2	26	40	35.6236	48.5882	AAL95330.1  Hypothetical cytosolic protein							
					19	33	19.0000	43.2896								
FN1135	0.232	15.087	2.28e-1	6.583e-1	225	142	308.2815	172.4883	AAL95331.1  Phosphonates-binding protein							
					96	131	96.0000	171.8465								
FN1136	1.345	7.825				8		9.7176	AAL95332.1  Phosphonates transport ATP-binding protein phnC							
					24	7	24.0000	9.1826								
FN1138	-0.268	18.871	1.05e-1	2.414e-1	349	644	478.1788	782.2708	AAL95334.1  Hypothetical cytosolic protein							
					784	562	784.0000	737.2346								
FN1139	0.086	12.492	2.847e-1	8.874e-1	20	63	27.4028	76.5265	AAL95335.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					129	54	129.0000	70.8375								
FN1140	1.396	7.892				7		8.5029	AAL95336.1  hypothetical protein							
					25	8	25.0000	10.4944								
FN1142	-1.475	6.119				11		13.3618	AAL95338.1  Oxygen-independent coproporphyrinogen III oxidase							
					5	11	5.0000	14.4299								
FN1143	0.301	13.417	2.046e-1	5.737e-1	41	72	56.1757	87.4588	AAL95339.1  Glucosamine-6-phosphate isomerase							
					176	77	176.0000	101.0090								
FN1144	-2.024	13.841	1.351e-3	7.472e-4	22	210	30.1431	255.0883	AAL95340.1  Hypothetical Exported Protein							
					90	178	90.0000	233.5013								
FN1145	-0.160	8.872	2.423e-1	7.13e-1	8	15	10.9611	18.2206	AAL95341.1  Oligoendopeptidase F							
					30	21	30.0000	27.5479								
FN1146	-1.752	7.831			6	24	8.2208	29.1529	AAL95342.1  Hypothetical exported 24-amino acid repeat protein							
						20		26.2361								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1147						20		24.2941	AAL95343.1  Hypothetical protein							
						17		22.3007								
FN1148	0.121	11.123	2.843e-1	8.857e-1	4	40	5.4806	48.5882	AAL95344.1  Serine/threonine sodium symporter							
					93	32	93.0000	41.9778								
FN1149	-0.897	7.170	1.237e-4	1.925e-5	7	14	9.5910	17.0059	AAL95345.1  ATP-dependent nuclease subunit A							
					8	12	8.0000	15.7417								
FN1150	-1.199	5.199							AAL95346.1  unknown							
					4	7	4.0000	9.1826								
FN1152	-0.607	13.861	5.176e-2	9.389e-2	45	128	61.6563	155.4824	AAL95348.1  Aspartate aminotransferase							
					136	111	136.0000	145.6104								
FN1153									AAL95349.1  Hypothetical protein							
						36		43.7294								
FN1154	1.123	7.521							AAL95350.1  Ribonuclease BN							
					20	7	20.0000	9.1826								
FN1155									AAL95351.1  Cell division protein ftsI							
						7		8.5029								
FN1157									AAL95353.1  Polypeptide deformylase							
						11		14.4299								
FN1159	0.507	13.609	4.817e-2	8.513e-2					AAL95355.1  Fructose-1,6-bisphosphatase							
					77	68	105.5008	82.6000								
FN1160	-1.457	4.627							AAL95356.1  SWF/SNF family helicase							
					3	7	3.0000	9.1826								
FN1161	-2.264	5.434							AAL95357.1  Glutamate racemase							
						14		17.0059								
FN1162	1.679	7.106							AAL95358.1  Hydroxyacylglutathione hydrolase							
					3	9	3.0000	11.8062								
FN1163	0.016	11.964	3.015e-1	9.621e-1					AAL95359.1  Thioredoxin reductase							
					21	5	21.0000	6.5590								
FN1164	-1.042	7.626	4.611e-5	4.151e-6	30	56	41.1042	68.0235	AAL95360.1  Glucokinase							
					86	44	86.0000	57.7194								
FN1165	-0.474	23.494	3.39e-4	8.379e-5	7	17	9.5910	20.6500	AAL95361.1  D-galactose-binding protein							
					10	15	10.0000	19.6771								
FN1165					2224	3391	3047.1910	4119.0688	AAL95361.1  D-galactose-binding protein							
					2786	3036	2786.0000	3982.6408								

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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1166	-0.484	15.297	6.935e-3	7.123e-3	128	179	175.3779	217.4324	AAL95362.1  Galactoside transport ATP-binding protein mgIA							
					164	196	164.0000	257.1138								
FN1167						52		63.1647	AAL95363.1  Galactoside transport system permease protein mgIC							
						17		22.3007								
FN1169	-0.356	16.815	4.448e-2	7.633e-2	260	330	356.2364	400.8531	AAL95365.1  L-lactate dehydrogenase							
					244	280	244.0000	367.3055								
FN1170	0.506	25.229	7.054e-2	1.441e-1	6878	4375	9423.8219	5314.3397	AAL95366.1  Pyruvate-flavodoxin oxidoreductase							
					5525	3972	5525.0000	5210.4906								
FN1171	0.209	19.881	1.436e-1	3.589e-1	936	793	1282.4509	963.2620	AAL95367.1  Acetate kinase							
					830	659	830.0000	864.4797								
FN1172	-0.630	18.578	1.192e-4	1.8e-5	348	627	476.8087	761.6208	AAL95368.1  Phosphate acetyltransferase							
					529	606	529.0000	794.9540								
FN1176					4		5.4806		AAL95372.1  Hypothetical cytosolic protein							
FN1179	1.870	6.653			14		19.1820		AAL95375.1  ATP-dependent RNA helicase							
						4	5.2472									
FN1180	0.361	7.191			10	10	13.7014	12.1471	AAL95376.1  Hypothetical protein							
						7	9.1826									
FN1181	1.353	15.098	1.258e-1	3.03e-1	404	99	553.5365	120.2559	AAL95377.1  unknown							
					45	87	45.0000	114.1271								
FN1182	0.348	7.204			10	8	13.7014	9.7176	AAL95378.1  Hypothetical protein							
						9	11.8062									
FN1183	1.050	6.875	1.941e-2	2.608e-2	14	7	19.1820	8.5029	AAL95379.1  Hypothetical cytosolic protein							
					12	5	12.0000	6.5590								
FN1184					4		5.4806		AAL95380.1  Hypothetical protein							
FN1185	0.578	10.599	1.313e-1	3.2e-1	52	25	71.2473	30.3677	AAL95381.1  SIR2 family protein							
					25	26	25.0000	34.1069								
FN1186	4.221	12.526	4.992e-2	8.934e-2	82	12	112.3515	14.5765	AAL95382.1  Amidohydrolase							
					551	16	551.0000	20.9889								
FN1187					7		9.5910		AAL95383.1  Amino acid-binding protein							
					93		93.0000									

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1188	-0.936	11.845	5.604e-2	1.05e-1	10	69	13.7014	83.8147	AAL95384.1  Hypothetical protein							
					74	64	74.0000	83.9555								
FN1189	-0.482	12.482	1.891e-3	1.186e-3	46	77	63.0264	93.5324	AAL95385.1  Hypothetical protein							
					65	65	65.0000	85.2673								
FN1190	-0.937	13.526	2.184e-5	1.409e-6	54	121	73.9876	146.9795	AAL95386.1  Probable cadmium-transporting ATPase							
					83	117	83.0000	153.4812								
FN1191	0.044	10.940				33		40.0853	AAL95387.1  unknown							
					45	36	45.0000	47.2250								
FN1192	0.086	16.985	2.075e-1	5.839e-1	227	298	311.0217	361.9825	AAL95388.1  unknown							
					431	257	431.0000	337.1340								
FN1198	0.382	9.619	6.09e-2	1.185e-1	19	21	26.0327	25.5088	AAL95394.1  Transporter							
					38	18	38.0000	23.6125								
FN1200									AAL95396.1  Hypothetical protein							
					456		456.0000									
FN1202	1.492	8.053			18	8	24.6625	9.7176	AAL95398.1  NH(3)-dependent NAD(+) synthetase							
					30		30.0000									
FN1203	-0.717	6.710			8		10.9611		AAL95399.1  GTP-binding protein							
					5	10	5.0000	13.1181								
FN1204	0.388	7.090	7.563e-2	1.577e-1	10	6	13.7014	7.2882	AAL95400.1  Methyltransferase							
					13	10	13.0000	13.1181								
FN1205	-0.683	12.230	6.338e-2	1.254e-1	20	69	27.4028	83.8147	AAL95401.1  Protease							
					82	70	82.0000	91.8264								
FN1206									AAL95402.1  Hemolysin							
						8		10.4944								
FN1208	-0.395	6.435	3.627e-2	5.794e-2	6	10	8.2208	12.1471	AAL95404.1  1-deoxyxylulose-5-phosphate synthase							
					8	7	8.0000	9.1826								
FN1209	-2.359	10.173				77		93.5324	AAL95405.1  Hypothetical RNA binding protein							
					15	46	15.0000	60.3430								
FN1210	-1.499	11.414	1.487e-2	1.838e-2	22	55	30.1431	66.8088	AAL95406.1  Metal dependent hydrolase							
					32	83	32.0000	108.8798								
FN1211	-1.699	7.067	5.425e-4	1.742e-4	5	16	6.8507	19.4353	AAL95407.1  Cell division protein ftsI							
					6	17	6.0000	22.3007								

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1213	-1.264	11.300	7.2e-3	7.517e-3	13	59	17.8118	71.6677	AAL95409.1  Hypothetical protein							
					47	64	47.0000	83.9555								
FN1216	-1.368	8.377	1.593e-2	2.007e-2	10	18	13.7014	21.8647	AAL95412.1  RRF2 family protein							
					9	28	9.0000	36.7305								
FN1217	-1.747	7.361				16		19.4353	AAL95413.1  Holliday junction DNA helicase ruvB							
					7	21	7.0000	27.5479								
FN1218									AAL95414.1  unknown							
					13		13.0000									
FN1219	0.350	7.953	5.396e-2	9.952e-2	15	10	20.5521	12.1471	AAL95415.1  Hypothetical protein							
					15	12	15.0000	15.7417								
FN1220	-0.155	15.303	5.815e-2	1.107e-1	127	183	174.0078	222.2912	AAL95416.1  Cysteine synthase							
					207	154	207.0000	202.0180								
FN1221	0.131	8.428	2.718e-1	8.321e-1	5	13	6.8507	15.7912	AAL95417.1  Hypothetical protein							
					32	15	32.0000	19.6771								
FN1222	-1.403	8.987	3.455e-4	8.614e-5	10	29	13.7014	35.2265	AAL95418.1  Hypothetical protein							
					14	29	14.0000	38.0424								
FN1223	0.428	12.381	5.721e-2	1.081e-1	74	54	101.3903	65.5941	AAL95419.1  Oxygen-insensitive NAD(P)H nitroreductase							
					68	46	68.0000	60.3430								
FN1224	-0.623	13.846	5.546e-2	1.034e-1	42	113	57.5459	137.2618	AAL95420.1  2-dehydro-3-deoxyphosphooctonate aldolase							
					138	125	138.0000	163.9757								
FN1225	-0.240	13.494	1.81e-1	4.893e-1	45	82	61.6563	99.6059	AAL95421.1  UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanithionine ligase							
					136	102	136.0000	133.8041								
FN1226	-1.125	13.443	2.289e-2	3.208e-2	24	127	32.8834	154.2677	AAL95422.1  Uracil-DNA glycosylase							
					110	120	110.0000	157.4166								
FN1229						5		6.0735	AAL95425.1  Hypothetical protein							
						7		9.1826								
FN1230						50		60.7353	AAL95426.1  Hypothetical cytosolic protein							
						43		56.4076								
FN1231	0.451	18.536	1.967e-1	5.46e-1	166	431	227.4432	523.5384	AAL95427.1  Inosine-5'-monophosphate dehydrogenase							
					1214	405	1214.0000	531.2811								
FN1233						3		3.6441	AAL95429.1  Putative NAD(P)H oxidoreductase							
						4		5.2472								

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Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1234						15		18.2206	AAL95430.1  Hypothetical protein							
						13		17.0535								
FN1235	1.403	7.579			8	7	10.9611	8.5029	AAL95431.1  Ankyrin repeat proteins							
					34		34.0000									
FN1237	1.575	10.956	1.626e-3	9.569e-4	51	22	69.8771	26.7235	AAL95433.1  Choline kinase							
					84	19	84.0000	24.9243								
FN1238									AAL95434.1  Hypothetical protein							
					5		5.0000									
FN1239									AAL95435.1  Hypothetical protein							
					12		12.0000									
FN1240	-1.829	8.757	4.347e-4	1.226e-4	11	30	15.0715	36.4412	AAL95436.1  Lipopolysaccharide core biosynthesis protein rfaY							
					7	32	7.0000	41.9778								
FN1241	-0.139	5.668	2.521e-1	7.514e-1	7	8	9.5910	9.7176	AAL95437.1  polysaccharide biosynthesis protein							
					4	4	4.0000	5.2472								
FN1242	0.657	7.683				8		9.7176	AAL95438.1  Polysaccharide deacetylase							
					18	10	18.0000	13.1181								
FN1243	0.021	7.594				13		15.7912	AAL95439.1  Glycosyl transferase							
					14	9	14.0000	11.8062								
FN1244	0.587	8.322	1.743e-1	4.643e-1	5	10	6.8507	12.1471	AAL95440.1  Polysaccharide deacetylase							
					37	13	37.0000	17.0535								
FN1245	-2.175	6.550	1.589e-2	2.001e-2	3	22	4.1104	26.7235	AAL95441.1  Glycosyl transferase							
					5	11	5.0000	14.4299								
FN1246	-0.372	8.186				19		23.0794	AAL95442.1  Lipooligosaccharide cholinephosphotransferase							
					15	12	15.0000	15.7417								
FN1247	-0.619	8.705	3.85e-2	6.267e-2	8	19	10.9611	23.0794	AAL95443.1  LOS biosynthesis enzyme LBGB							
					22	21	22.0000	27.5479								
FN1248						5		6.0735	AAL95444.1  Hypothetical cytosolic protein							
FN1250	-1.376	9.925	1.084e-3	5.351e-4	10	46	13.7014	55.8765	AAL95446.1  Guanine-hypoxanthine permease							
					25	34	25.0000	44.6014								
FN1251	-0.530	6.145				8		9.7176	AAL95447.1  High-affinity iron permease							
					7	8	7.0000	10.4944								

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Proteins found: 1338

Test Cutoff

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yes	+	ratios, bars
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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1252	-1.973	17.489	1.155e-3	5.951e-4	151	638	206.8911	774.9826	AAL95448.1  34 kDa membrane antigen precursor							
					226	705	226.0000	924.8227								
FN1253	-0.833	16.061	6.623e-2	1.328e-1	48	268	65.7667	325.5413	AAL95449.1  unknown							
					326	284	326.0000	372.5527								
FN1254	-0.817	12.908	2.362e-2	3.338e-2	30	103	41.1042	125.1147	AAL95450.1  Oxygen-insensitive NAD(P)H nitroreductase							
					91	82	91.0000	107.5680								
FN1255						15		18.2206	AAL95451.1  NagD protein							
						14		18.3653								
FN1256	-0.603	4.603				5		6.0735	AAL95452.1  C4-dicarboxylate transporter large subunit							
					4		4.0000									
FN1258	-0.787	19.783	2.008e-3	1.297e-3	595	1049	815.2332	1274.2268	AAL95454.1  C4-dicarboxylate-binding protein							
					631	931	631.0000	1221.2907								
FN1260						4		4.8588	AAL95456.1  Sensory Transduction Protein Kinase							
FN1261	1.385	6.168			10		13.7014		AAL95457.1  Two-component response regulator							
						4		5.2472								
FN1262	1.719	6.924				5		6.0735	AAL95458.1  Integral membrane protein							
					20		20.0000									
FN1263	-0.934	8.230	4.534e-3	3.968e-3	11	20	15.0715	24.2941	AAL95459.1  Cobalt chelatase							
					10	18	10.0000	23.6125								
FN1264						25		30.3677	AAL95460.1  Hypothetical protein							
						16		20.9889								
FN1265	0.033	13.133	2.501e-1	7.434e-1	64	83	87.6890	100.8206	AAL95461.1  Outer membrane protein							
					104	66	104.0000	86.5791								
FN1266	-0.752	14.116	4.763e-3	4.265e-3	63	140	86.3188	170.0589	AAL95462.1  UTP--glucose-1-phosphate uridylyltransferase							
					119	134	119.0000	175.7819								
FN1267	0.132	10.711	1.759e-1	4.702e-1	37	32	50.6952	38.8706	AAL95463.1  Hypothetical protein							
					35	30	35.0000	39.3542								
FN1268	-0.507	15.890	1.852e-2	2.451e-2	155	272	212.3717	330.4001	AAL95464.1  Methionyl-tRNA synthetase							
					201	196	201.0000	257.1138								
FN1269	-2.042	6.042				12		14.5765	AAL95465.1  Hypothetical lipoprotein							
					4	14	4.0000	18.3653								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1270	-2.654	11.438				115		139.6912	AAL95466.1  Hypothetical cytosolic protein							
					21	95	21.0000	124.6215								
FN1271	-0.989	10.819	3.867e-2	6.304e-2	9	50	12.3313	60.7353	AAL95467.1  Protease IV							
					48	45	48.0000	59.0312								
FN1273	0.174	10.980	2.748e-1	8.449e-1	4	47	5.4806	57.0912	AAL95469.1  Outer membrane protein tolC							
					90	21	90.0000	27.5479								
FN1274	-2.178	9.111	8.321e-4	3.478e-4	3	37	4.1104	44.9441	AAL95470.1  Acriflavin resistance protein E							
					18	42	18.0000	55.0958								
FN1275	-1.966	9.836	2.602e-4	5.783e-5	7	53	9.5910	64.3794	AAL95471.1  Acriflavin resistance protein B							
					21	42	21.0000	55.0958								
FN1276					13		17.8118		AAL95472.1  Hypothetical protein							
					18		18.0000									
FN1277	0.370	15.287	1.416e-1	3.524e-1	107	133	146.6050	161.5559	AAL95473.1  Aminoacyl-histidine dipeptidase							
					308	145	308.0000	190.2118								
FN1278									AAL95474.1  Acetyltransferase							
					3		3.0000									
FN1279	-0.542	12.225	3.008e-3	2.25e-3	37	64	50.6952	77.7412	AAL95475.1  Zinc metallohydrolase, glyoxalase II family							
					64	68	64.0000	89.2028								
FN1280	2.279	9.432	9.521e-5	1.248e-5	40	11	54.8056	13.3618	AAL95476.1  Serine protease, V8 family							
					61	8	61.0000	10.4944								
FN1281	-0.305	8.518	8.875e-2	1.946e-1	12	21	16.4417	25.5088	AAL95477.1  Cysteine protease							
					18	13	18.0000	17.0535								
FN1282	0.471	12.375	8.354e-2	1.801e-1	80	49	109.6112	59.5206	AAL95478.1  LSU ribosomal protein L17P							
					62	49	62.0000	64.2785								
FN1283	-0.083	17.505	1.086e-1	2.515e-1	287	383	393.2301	465.2325	AAL95479.1  DNA-directed RNA polymerase alpha chain							
					445	322	445.0000	422.4013								
FN1284	-0.803	18.736	3.716e-2	5.98e-2	525	705	719.3234	856.3679	AAL95480.1  SSU ribosomal protein S4P							
					281	678	281.0000	889.4040								
FN1285	1.408	14.708	1.326e-1	3.242e-1	373	80	511.0622	97.1765	AAL95481.1  SSU ribosomal protein S11P							
					22	79	22.0000	103.6326								
FN1286	-2.940	14.401	1.158e-4	1.712e-5	41	323	56.1757	392.3501	AAL95482.1  SSU ribosomal protein S13P							
					50	322	50.0000	422.4013								

Show detected proteins only  
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 Filter by category:

Proteins found:  
1338

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									
	FnPg vs Fn				Raw		Normalized			Log <sub>2</sub> Ratios						
Protein	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn	Description	-6	-4	-2	0	2	4	6
<b>FN1287</b>	-1.021	9.866	2.957e-2	4.434e-2	24	36	32.8834	43.7294	AAL95483.1  Bacterial Protein Translation Initiation Factor 1 (IF-1)							
					10	33	10.0000	43.2896								
<b>FN1290</b>	0.645	10.431	1.852e-1	5.055e-1	62	23	84.9487	27.9382	AAL95486.1  Hypothetical protein							
					8	24	8.0000	31.4833								
<b>FN1293</b>						6		7.2882	AAL95489.1  Hypothetical protein							
						8		10.4944								
<b>FN1296</b>						29		35.2265	AAL95492.1  unknown							
						16		20.9889								
<b>FN1297</b>	-0.841	9.444	4.337e-3	3.722e-3	12	29	16.4417	35.2265	AAL95493.1  Methionine aminopeptidase							
					23	27	23.0000	35.4187								
<b>FN1298</b>	-0.719	13.058	7.377e-3	7.764e-3	62	99	84.9487	120.2559	AAL95494.1  Adenylate kinase							
					59	89	59.0000	116.7507								
<b>FN1299</b>						6		6.0000	AAL95495.1  dTDP-glucose 4,6-dehydratase							
<b>FN1301</b>	-0.775	12.818	4.601e-2	8.006e-2	70	88	95.9098	106.8941	AAL95497.1  ABC transporter ATP-binding protein							
					34	88	34.0000	115.4389								
<b>FN1302</b>	0.143	17.191	2.688e-1	8.195e-1	489	349	669.9984	423.9325	AAL95498.1  Hypothetical protein							
					143	238	143.0000	312.2097								
<b>FN1303</b>	-0.634	12.859	6.586e-4	2.35e-4	55	85	75.3577	103.2500	AAL95499.1  hypothetical cytosolic protein							
					63	85	63.0000	111.5034								
<b>FN1304</b>	-0.297	14.350	3.374e-2	5.275e-2	83	133	113.7216	161.5559	AAL95500.1  Single-strand DNA binding protein							
					147	121	147.0000	158.7284								
<b>FN1305</b>	0.390	11.020	1.948e-3	1.24e-3	36	31	49.3250	37.6559	AAL95501.1  Hypothetical cytosolic protein							
					55	32	55.0000	41.9778								
<b>FN1306</b>	0.930	14.022				75		91.1030	AAL95502.1  Methyltransferase							
					178	73	178.0000	95.7618								
<b>FN1309</b>	-1.262	15.446	2.089e-3	1.378e-3	121	272	165.7869	330.4001	AAL95505.1  Hypothetical protein							
					107	247	107.0000	324.0159								
<b>FN1311</b>						8		10.4944	AAL95507.1  Biopolymer transport exbD protein							
<b>FN1312</b>						44		53.4471	AAL95508.1  Biopolymer transport exbB protein							
						52		68.2139								

 Show detected proteins only  
 Show all proteins

 Filter by category:

 Proteins found:  
 1338

 Enter (or  
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 of ORFs

Find 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

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1313	-0.725	12.654	8.857e-4	3.897e-4	51	90	69.8771	109.3236	AAL95509.1  Oligopeptide-binding protein oppA							
					55	74	55.0000	97.0736								
FN1315						7		8.5029	AAL95511.1  Hypothetical protein							
FN1317	-0.425	7.763	6.64e-2	1.333e-1	12	13	16.4417	15.7912	AAL95513.1  RNA polymerase sigma factor							
					9	14	9.0000	18.3653								
FN1318	-0.535	10.215	1.379e-2	1.671e-2	17	37	23.2924	44.9441	AAL95514.1  RNA polymerase sigma factor rpoD							
					34	29	34.0000	38.0424								
FN1319	-0.561	7.146	7.728e-3	8.256e-3	7	13	9.5910	15.7912	AAL95515.1  DNA primase							
					10	10	10.0000	13.1181								
FN1320	-1.481	16.169	1.26e-4	1.988e-5	116	385	158.9362	467.6619	AAL95516.1  Peptidyl-prolyl cis-trans isomerase							
					166	335	166.0000	439.4548								
FN1321	0.002	19.560	3.006e-1	9.58e-1	641	752	878.2596	913.4591	AAL95517.1  Acetoacetate metabolism regulatory protein atoC							
					881	643	881.0000	843.4908								
FN1322	0.997	9.177				14		17.0059	AAL95518.1  Membrane metalloprotease							
					34	13	34.0000	17.0535								
FN1323	-0.817	7.250	2.046e-4	3.943e-5	7	14	9.5910	17.0059	AAL95519.1  Thymidylate kinase							
					9	12	9.0000	15.7417								
FN1324	0.097	10.185	2.672e-1	8.128e-1	15	23	20.5521	27.9382	AAL95520.1  1-deoxy-D-xylulose 5-phosphate reductoisomerase							
					50	29	50.0000	38.0424								
FN1326	-0.927	6.927				11		13.3618	AAL95522.1  Undecaprenyl pyrophosphate synthetase							
					8	13	8.0000	17.0535								
FN1327								3.9354	AAL95523.1  Dimethylallyltransferase							
						3										
FN1328						11		13.3618	AAL95524.1  Exodeoxyribonuclease VII small subunit							
						12		15.7417								
FN1330	-0.281	3.451				3		3.6441	AAL95526.1  S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
					3		3.0000									
FN1331						5		6.0735	AAL95527.1  Methyltransferase							
						8		10.4944								
FN1332	-0.954	11.223	1.642e-6	5.352e-8	25	57	34.2535	69.2383	AAL95528.1  Bacterial Peptide Chain Release Factor 1 (RF-1)							
					36	51	36.0000	66.9021								

Show detected proteins only  
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 Filter by category:

Proteins found: 1338

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1334	0.666	8.947	1.665e-1	4.361e-1	35	15	47.9549	18.2206	AAL95530.1  N-acetylmuramoyl-L-alanine amidase							
					8	13	8.0000	17.0535								
FN1335	-0.510	12.806	3.382e-2	5.293e-2	40	95	54.8056	115.3971	AAL95531.1  Protein translocase subunit YajC							
					87	66	87.0000	86.5791								
FN1336	-0.345	9.253			16	21	21.9222	25.5088	AAL95532.1  Hypothetical protein							
						23		30.1715								
FN1337	-2.173	7.980	6.754e-3	6.861e-3	8	21	10.9611	25.5088	AAL95533.1  unknown							
					4	32	4.0000	41.9778								
FN1340	-0.495	16.632	5.847e-2	1.116e-1	259	288	354.8662	349.8354	AAL95536.1  Glutamyl-tRNA synthetase							
					182	310	182.0000	406.6596								
FN1341	-0.268	7.438				13		15.7912	AAL95537.1  Bacterial Peptide Chain Release Factor 2 (RF-2)							
					12	10	12.0000	13.1181								
FN1343	1.511	9.473				13		15.7912	AAL95539.1  seC-independent protein TATD							
					45		45.0000									
FN1346									AAL95542.1  Hypothetical cytosolic protein							
					6		6.0000									
FN1347	-1.806	7.591	1.867e-3	1.164e-3	5	19	6.8507	23.0794	AAL95543.1  Hypothetical cytosolic protein							
					8	22	8.0000	28.8597								
FN1348	-1.177	8.158	1.437e-2	1.76e-2	4	17	5.4806	20.6500	AAL95544.1  ABC transporter ATP-binding protein							
					17	23	17.0000	30.1715								
FN1349	-2.532	8.146				31		37.6559	AAL95545.1  ABC transporter permease protein							
					7	33	7.0000	43.2896								
FN1351	-0.416	11.067	8.498e-2	1.841e-1	33	33	45.2146	40.0853	AAL95547.1  15 kDa lipoprotein precursor							
					35	51	35.0000	66.9021								
FN1352	-0.521	11.686	3.2e-3	2.46e-3	32	56	43.8445	68.0235	AAL95548.1  ABC transporter ATP-binding protein							
					52	53	52.0000	69.5257								
FN1353	-0.149	7.764				18		21.8647	AAL95549.1  ABC transporter permease protein							
					14	7	14.0000	9.1826								
FN1354	-0.116	10.024				24		29.1529	AAL95550.1  ABC transporter permease protein							
					31	29	31.0000	38.0424								
FN1355						4		4.8588	AAL95551.1  Integral membrane protein							
						7		9.1826								

Show detected proteins only  
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Proteins found: 1338

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN1358</b>					48		48.0000		AAL95554.1  Hypothetical protein							
<b>FN1359</b>	1.675	16.313	6.126e-2	1.195e-1	167	116	228.8134	140.9059	AAL95555.1  Dipeptide-binding protein							
<b>FN1362</b>					25		34.2535		AAL95558.1  Dipeptide transport ATP-binding protein dppD							
<b>FN1363</b>	1.759	8.809	3.939e-2	6.462e-2	16	6	21.9222	7.2882	AAL95559.1  Dipeptide transport ATP-binding protein dppF							
<b>FN1364</b>	-1.345	12.067			30	79	41.1042	95.9618	AAL95560.1  LSU ribosomal protein L32P							
<b>FN1365</b>	-0.595	14.347	8.129e-2	1.736e-1	43	156	58.9160	189.4942	AAL95561.1  GTP-binding protein							
<b>FN1366</b>	-0.402	15.015	2.211e-2	3.071e-2	99	190	135.6438	230.7942	AAL95562.1  Triosephosphate isomerase							
<b>FN1371</b>					4		4.0000		AAL95567.1  Ribonuclease HII							
<b>FN1374</b>	-0.919	6.534				11		13.3618	AAL95570.1  Transcriptional regulator							
<b>FN1375</b>	1.676	11.582				24		29.1529	AAL95571.1  Citrate-sodium symport							
<b>FN1376</b>	-0.022	18.502	2.977e-1	9.453e-1	282	510	386.3794	619.5002	AAL95572.1  Oxaloacetate decarboxylase alpha chain							
<b>FN1378</b>	-0.796	9.834	7.855e-2	1.658e-1	5	31	6.8507	37.6559	AAL95574.1  Citrate lyase acyl carrier protein							
<b>FN1379</b>	0.395	15.728	2.098e-1	5.92e-1	60	179	82.2084	217.4324	AAL95575.1  Citrate lyase beta chain							
<b>FN1380</b>	0.460	17.821	2.113e-1	5.973e-1	81	344	110.9813	417.8589	AAL95576.1  Citrate lyase beta chain							
<b>FN1381</b>						4		4.8588	AAL95577.1  unknown							
<b>FN1382</b>					13		13.0000		AAL95578.1  ATPase							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

Enter (or paste) list of ORFs

Find ORFs

**Test**      **Cutoff**

q-Value      .005

p-Value

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

Dot Plots    Dot Plots



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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1383					9		12.3313		AAL95579.1  DNA polymerase III alpha subunit							
					5		5.0000									
FN1385	-1.567	4.737				6		7.2882	AAL95581.1  Hypothetical protein							
					3	8	3.0000	10.4944								
FN1386	0.648	6.271				4		4.8588	AAL95582.1  SWF/SNF family helicase							
					11	7	11.0000	9.1826								
FN1391	-1.043	12.722	2.913e-3	2.15e-3	50	110	68.5070	133.6177	AAL95584.1  Acetyltransferase							
					46	78	46.0000	102.3208								
FN1392	-0.672	14.866	9.864e-2	2.232e-1	167	181	228.8134	219.8618	AAL95585.1  SSU ribosomal protein S16P							
					45	165	45.0000	216.4479								
FN1393	-2.009	9.995	1.006e-3	4.741e-4	5	58	6.8507	70.4530	AAL95586.1  Signal recognition particle, subunit FFH/SRP54							
					25	44	25.0000	57.7194								
FN1397	-1.469	13.773	4.132e-3	3.477e-3	33	161	45.2146	195.5677	AAL95590.1  Glutaminase							
					97	151	97.0000	198.0826								
FN1398	-1.087	12.699	3.05e-2	4.617e-2	16	119	21.9222	144.5500	AAL95591.1  Amino acid carrier protein alsT							
					90	71	90.0000	93.1382								
FN1406	0.209	11.969	2.406e-1	7.065e-1	22	43	30.1431	52.2324	AAL95599.1  Histidine ammonia-lyase							
					106	50	106.0000	65.5903								
FN1407	1.487	8.513				8		9.7176	AAL95600.1  Glutamate formiminotransferase							
					32	10	32.0000	13.1181								
FN1411	1.414	15.743	2.48e-2	3.551e-2	196	112	268.5474	136.0471	AAL95604.1  Threonine dehydratase							
					496	115	496.0000	150.8576								
FN1412					20		27.4028		AAL95605.1  5-methylthioribose kinase							
FN1413					10		13.7014		AAL95606.1  Translation initiation factor EIF-2B subunit 1							
FN1415					11		15.0715		AAL95608.1  NADH-dependent butanol dehydrogenase A							
					7		7.0000									
FN1416					24		24.0000		AAL95609.1  Transcriptional regulator, GntR family							
FN1417	1.041	5.824			7		9.5910		AAL95610.1  L-fucose phosphate aldolase							
					12	4	12.0000	5.2472								

Show detected proteins only  
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 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1418	-0.352	4.431			3		4.1104		AAL95611.1  Transcriptional regulator, GntR family							
						4		5.2472								
FN1419	3.256	21.695	2.928e-2	4.378e-2	6075	475	8323.5996	576.9855	AAL95612.1  Methionine gamma-lyase							
					3065	469	3065.0000	615.2367								
FN1421	1.019	21.168	5.457e-2	1.011e-1	2193	842	3004.7167	1022.7826	AAL95614.1  Pyruvate-flavodoxin oxidoreductase							
					1365	864	1365.0000	1133.3998								
FN1423	-0.853	14.131	4.087e-2	6.792e-2	36	155	49.3250	188.2795	AAL95616.1  Flavoprotein							
					150	131	150.0000	171.8465								
FN1424	-1.272	15.849	1.827e-2	2.406e-2	45	329	61.6563	399.6383	AAL95617.1  ACYL-COA dehydrogenase, short-chain specific							
					251	271	251.0000	355.4992								
FN1426	-2.115	16.397	2.673e-3	1.909e-3	44	496	60.2862	602.4943	AAL95619.1  Serine protease							
					222	473	222.0000	620.4839								
FN1429						7		8.5029	AAL95622.1  Branched-chain amino acid transport ATP-binding protein livG							
FN1432						52		63.1647	AAL95625.1  Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein							
						38		49.8486								
FN1433	0.148	16.031	1.611e-2	2.037e-2	202	193	276.7682	234.4383	AAL95626.1  Short chain dehydrogenase							
					268	196	268.0000	257.1138								
FN1434	-0.562	13.916	3.737e-2	6.026e-2	53	117	72.6174	142.1206	AAL95627.1  Tetratricopeptide repeat family protein							
					132	122	132.0000	160.0402								
FN1437	-1.261	14.910	4.208e-3	3.566e-3	110	215	150.7154	261.1618	AAL95630.1  LSU ribosomal protein L28P							
					76	215	76.0000	282.0381								
FN1439	-2.376	11.423				81		98.3912	AAL95632.1  Transcriptional regulator, DeoR family							
					23	107	23.0000	140.3632								
FN1440	-1.976	12.297	1.173e-3	6.117e-4	23	128	31.5132	155.4824	AAL95633.1  1-phosphofructokinase							
					40	96	40.0000	125.9333								
FN1441	-2.055	13.602	1.297e-3	7.084e-4	20	195	27.4028	236.8677	AAL95634.1  PTS system, fructose-specific IIABC component							
					82	166	82.0000	217.7597								
FN1444	0.031	17.717	2.477e-1	7.34e-1	374	362	512.4323	439.7237	AAL95637.1  GMP synthase (glutamine-hydrolyzing)							
					426	365	426.0000	478.8089								
FN1445	-1.799	10.317	3.063e-3	2.309e-3	17	46	23.2924	55.8765	AAL95638.1  DNA helicase							
					15	59	15.0000	77.3965								

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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1449	-3.578	15.303	3.516e-7	7.114e-9	55	560	75.3577	680.2355	AAL95642.1  Fusobacterium outer membrane protein family							
					41	541	41.0000	709.6867								
FN1450	-0.451	8.791				20		24.2941	AAL95643.1  Integral membrane protein							
					18	19	18.0000	24.9243								
FN1451	-0.039	14.819	7.148e-2	1.465e-1	120	139	164.4168	168.8442	AAL95644.1  Cell division protein ftsZ							
					171	134	171.0000	175.7819								
FN1452	0.036	13.611	2.74e-1	8.416e-1	96	103	131.5334	125.1147	AAL95645.1  Cell division protein ftsA							
					95	73	95.0000	95.7618								
FN1454	-0.702	9.486				26		31.5824	AAL95647.1  D-alanine--D-alanine ligase							
					21	28	21.0000	36.7305								
FN1455	0.157	8.630	1.9e-1	5.228e-1	19	17	26.0327	20.6500	AAL95648.1  UDP-N-acetylenolpyruvylglucosamine reductase							
					16	13	16.0000	17.0535								
FN1456	-0.507	11.985	4.608e-3	4.063e-3	40	58	54.8056	70.4530	AAL95649.1  UDP-N-acetylmuramate--alanine ligase							
					52	62	52.0000	81.3319								
FN1457	-0.631	11.388	8.193e-2	1.755e-1	14	51	19.1820	61.9500	AAL95650.1  UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-							
					64	51	64.0000	66.9021								
FN1458	0.050	12.577	2.882e-1	9.029e-1	84	66	115.0917	80.1706	AAL95651.1  UDP-N-acetylmuramoylalanine--D-glutamate ligase							
					44	56	44.0000	73.4611								
FN1459									AAL95652.1  Phospho-N-acetylmuramoyl-pentapeptide-transferase							
						12		15.7417								
FN1461	-0.759	10.290	5.368e-8	4.345e-10	20	38	27.4028	46.1588	AAL95654.1  Histidinol-phosphatase							
					27	35	27.0000	45.9132								
FN1463	0.182	16.609	1.215e-1	2.9e-1	285	236	390.4899	286.6707	AAL95656.1  pyridoxine biosynthesis protein							
					283	234	283.0000	306.9624								
FN1464	-0.124	15.788	2.528e-1	7.543e-1	91	209	124.6827	253.8736	AAL95657.1  1-deoxyxylulose-5-phosphate synthase							
					331	185	331.0000	242.6840								
FN1470	-2.269	10.228	3.663e-4	9.386e-5	15	69	20.5521	83.8147	AAL95663.1  Hypothetical protein							
					11	52	11.0000	68.2139								
FN1471						8		9.7176	AAL95664.1  LACI-family transcription regulator							
						15		19.6771								
FN1472	-3.274	12.762	4.674e-4	1.384e-4	7	239	9.5910	290.3148	AAL95665.1  N-acetylneuraminate-binding protein							
					44	174	44.0000	228.2541								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1474						8		9.7176	AAL95667.1  N-acetylmannosamine kinase							
						7		9.1826								
FN1475	-1.481	9.773	5.317e-3	4.94e-3	20	36	27.4028	43.7294	AAL95668.1  N-acetylneuraminate lyase							
					8	42	8.0000	55.0958								
FN1476						19		23.0794	AAL95669.1  N-acetylmannosamine-6-phosphate 2-epimerase							
						18		23.6125								
FN1478									AAL95671.1  Hypothetical protein							
					23		23.0000									
FN1479	-0.899	9.593	1.151e-2	1.341e-2	10	29	13.7014	35.2265	AAL95672.1  Hypothetical protein							
					27	31	27.0000	40.6660								
FN1480	-0.025	8.554	2.755e-1	8.479e-1	12	16	16.4417	19.4353	AAL95673.1  MG2+ transporter MGTE							
					22	15	22.0000	19.6771								
FN1481	0.921	6.728	7.301e-3	7.657e-3	9	8	12.3313	9.7176	AAL95674.1  Queuine tRNA-ribosyltransferase							
					16	4	16.0000	5.2472								
FN1482	-0.212	11.556	1.174e-1	2.775e-1	35	40	47.9549	48.5882	AAL95675.1  Guanosine-3',5'-bis(Diphosphate) 3'-pyrophosphohydrolase							
					54	53	54.0000	69.5257								
FN1483	-0.713	10.454	9.174e-4	4.111e-4	23	39	31.5132	47.3735	AAL95676.1  Adenine phosphoribosyltransferase							
					27	37	27.0000	48.5368								
FN1484						9		10.9324	AAL95677.1  Tetratricopeptide repeat family protein							
						13		17.0535								
FN1486						5		6.0735	AAL95679.1  magnesium and cobalt efflux protein CorC							
						6		7.8708								
FN1487	-1.415	14.595	4.163e-3	3.513e-3	45	207	61.6563	251.4442	AAL95681.1  Chorismate mutase							
					131	200	131.0000	262.3611								
FN1488					22		30.1431		AAL95682.1  Methylenetetrahydrofolate dehydrogenase (NADP+)							
					12		12.0000									
FN1489	-0.585	9.086	2.168e-2	2.997e-2	11	20	15.0715	24.2941	AAL95683.1  Methionyl-tRNA formyltransferase							
					23	25	23.0000	32.7951								
FN1490	0.744	7.459	5.827e-2	1.111e-1	9	5	12.3313	6.0735	AAL95684.1  putative regulatory protein							
					22	11	22.0000	14.4299								
FN1491	-1.070	7.713							AAL95685.1  PTS system, IIA component							
					10	16	10.0000	20.9889								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1493	-1.101	7.965	1.442e-2	1.768e-2	7	23	9.5910	27.9382	AAL95687.1  Hypothetical protein							
					12	14	12.0000	18.3653								
FN1494	-1.569	8.212				24		29.1529	AAL95680.1  Rod shape-determining protein mreC							
					10	23	10.0000	30.1715								
FN1496	-1.569	8.212				24		29.1529	AAL95680.1  Rod shape-determining protein mreC							
					10	23	10.0000	30.1715								
FN1499	-0.356	11.888	1.919e-1	5.294e-1	13	65	17.8118	78.9559	AAL93625.1  Cell surface protein							
					91	46	91.0000	60.3430								
FN1504	-1.567	13.803	5.632e-5	5.926e-6	43	179	58.9160	217.4324	AAL93630.1  Nickel-binding protein							
					80	148	80.0000	194.1472								
FN1505	-0.020	16.220	2.836e-1	8.827e-1	172	215	235.6641	261.1618	AAL93631.1  6,7-dimethyl-8-ribityllumazine synthase							
					313	225	313.0000	295.1562								
FN1506	0.684	7.889			19	10	26.0327	12.1471	AAL93632.1  Diaminohydroxyphosphoribosylaminopyrimidine deaminase							
					13		13.0000									
FN1508	0.227	13.127	1.712e-1	4.533e-1	53	77	72.6174	93.5324	AAL93634.1  GTP cyclohydrolase II							
					132	62	132.0000	81.3319								
FN1512						11		13.3618	AAL93638.1  hypothetical exported 24-amino acid repeat protein							
						8		10.4944								
FN1517	-0.545	15.824	4.167e-2	6.973e-2	102	262	139.7543	318.2530	AAL93643.1  Leucyl-tRNA synthetase							
					259	201	259.0000	263.6729								
FN1518						9		10.9324	AAL93644.1  RNA polymerase sigma-H factor							
						6		7.8708								
FN1519	-0.956	8.357				21		25.5088	AAL93645.1  23S rRNA methyltransferase							
					13	19	13.0000	24.9243								
FN1520	-1.151	10.981	2.418e-2	3.44e-2	9	52	12.3313	63.1647	AAL93646.1  UDP-N-acetylglucosamine 1-carboxyvinyltransferase							
					48	54	48.0000	70.8375								
FN1521						15		18.2206	AAL93647.1  Dipeptide transport system permease protein dppB							
						16		20.9889								
FN1523	-2.022	15.040	1.623e-5	9.748e-7	68	299	93.1695	363.1972	AAL93649.1  Dipeptide-binding protein							
					89	287	89.0000	376.4881								
FN1524						5		6.0735	AAL93650.1  Dipeptide transport ATP-binding protein dppD							

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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	-	

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1525						5		6.0735	AAL93651.1  Dipeptide transport ATP-binding protein dppF							
FN1526	-0.352	22.555	1.721e-1	4.564e-1	2501	2415	3426.7198	2933.5155	AAL93652.1  Fusobacterium outer membrane protein family							
FN1527	-2.812	12.685	4.914e-4	1.512e-4	25	164	34.2535	199.2118	AAL93653.1  Hypothetical protein							
FN1528	-1.987	13.504	7.129e-4	2.683e-4	52	173	71.2473	210.1442	AAL93654.1  Hypothetical protein							
FN1529	-0.496	12.897	1.244e-1	2.989e-1	84	79	115.0917	95.9618	AAL93655.1  Hypothetical protein							
FN1531	0.267	9.845	1.848e-1	5.038e-1	15	25	20.5521	30.3677	AAL93657.1  murein hydrolase export regulator							
FN1533	0.427	19.096	1.955e-1	5.418e-1	1043	534	1429.0559	648.6531	AAL93659.1  Electron transfer flavoprotein alpha-subunit							
FN1534	0.680	20.164	1.196e-1	2.84e-1	1502	657	2057.9500	798.0620	AAL93660.1  Electron transfer flavoprotein beta-subunit							
FN1535	1.049	21.288	4.761e-3	4.263e-3	1883	873	2579.9733	1060.4385	AAL93661.1  Acyl-CoA dehydrogenase, short-chain specific							
FN1536	1.713	19.223	2.984e-3	2.224e-3	905	369	1239.9766	448.2266	AAL93662.1  (S)-2-hydroxy-acid oxidase chain D							
FN1537	-0.815	5.724			4	4	5.4806	4.8588	AAL93663.1  Arsenical pump-driving ATPase							
FN1538	-0.071	7.783	2.556e-1	7.654e-1	8	11	10.9611	13.3618	AAL93664.1  Arsenical pump-driving ATPase							
FN1539	0.182	16.003	1.694e-1	4.465e-1	246	205	337.0544	249.0148	AAL93665.1  Iron-sulfur cluster-binding protein							
FN1540	1.067	16.840	2.35e-2	3.318e-2	450	205	616.5629	249.0148	AAL93666.1  Iron-sulfur cluster-binding protein							
FN1544	1.827	17.153	4.206e-2	7.062e-2	762	162	1044.0466	196.7824	AAL93670.1  Probable electron transfer flavoprotein-quinone oxidoreductase ydiS							
FN1545	2.272	11.903	7.697e-2	1.614e-1	173	28	237.0342	34.0118	AAL93671.1  Ferredoxin like protein							

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1546	1.071	20.811	7.679e-2	1.609e-1	2138	730	2929.3590	886.7355	AAL93672.1  Protein Translation Elongation Factor G (EF-G)							
					1003	751	1003.0000	985.1658								
FN1547	-0.720	14.595	5.234e-3	4.838e-3	76	165	104.1306	200.4265	AAL93673.1  PTS permease for N-acetylglucosamine and glucose							
					141	155	141.0000	203.3298								
FN1548	-0.490	10.041	8.847e-4	3.888e-4	21	32	28.7729	38.8706	AAL93674.1  Hypothetical protein							
					26	29	26.0000	38.0424								
FN1549	-0.602	19.011	6.144e-3	6.014e-3	362	667	495.9906	810.2090	AAL93675.1  Stomatin like protein							
					684	748	684.0000	981.2303								
FN1552	-1.922	5.922				12		14.5765	AAL93678.1  abortive phage resistance protein							
					4	12	4.0000	15.7417								
FN1553	-1.121	7.900	2.257e-3	1.526e-3	8	17	10.9611	20.6500	AAL93679.1  abortive phage resistance protein							
					10	19	10.0000	24.9243								
FN1554	-0.887	16.740	1.18e-3	6.182e-4	158	337	216.4821	409.3560	AAL93680.1  Fusobacterium outer membrane protein family							
					270	374	270.0000	490.6152								
FN1555	-0.096	23.668	1.81e-2	2.377e-2	2528	3198	3463.7135	3884.6305	AAL93681.1  Protein Translation Elongation Factor Tu							
					3600	2792	3600.0000	3662.5603								
FN1556	-0.929	20.112	1.178e-3	6.165e-4	621	1210	850.8568	1469.7945	AAL93682.1  Protein Translation Elongation Factor G (EF-G)							
					692	1119	692.0000	1467.9101								
FN1557	0.863	13.989	7.109e-7	1.726e-8	124	79	169.8973	95.9618	AAL93683.1  SSU ribosomal protein S7P							
					174	71	174.0000	93.1382								
FN1560	-0.560	13.953	1.565e-1	4.016e-1	12	133	16.4417	161.5559	AAL93686.1  unknown							
					191	110	191.0000	144.2986								
FN1562	-1.156	6.793	8.204e-3	8.941e-3	3	14	4.1104	17.0059	AAL93688.1  Phospho-2-dehydro-3-deoxyheptonate aldolase							
					10	11	10.0000	14.4299								
FN1577	0.437	15.288	1.17e-1	2.763e-1	112	134	153.4557	162.7706	AAL93692.1  Rod shape-determining protein mreB							
					312	138	312.0000	181.0291								
FN1579	-0.033	12.799	2.884e-1	9.037e-1	43	78	58.9160	94.7471	AAL93694.1  CysteinyI-tRNA synthetase							
					108	58	108.0000	76.0847								
FN1580						6		7.2882	AAL93695.1  2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase							
FN1581	-0.576	10.825	1.57e-2	1.97e-2	21	37	28.7729	44.9441	AAL93696.1  DNA mismatch repair protein mutS							
					41	45	41.0000	59.0312								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN1582</b>	0.608	8.310							AAL93697.1  Hypothetical protein							
					22	11	22.0000	14.4299								
<b>FN1586</b>									AAL93701.1  O-succinylbenzoate-CoA synthase							
					18		18.0000									
<b>FN1589</b>	-1.771	9.665	2.161e-3	1.443e-3	5	37	6.8507	44.9441	AAL93704.1  LexA repressor							
					24	46	24.0000	60.3430								
<b>FN1590</b>									AAL93705.1  Hypothetical lipoprotein							
					5		5.0000									
<b>FN1591</b>	-0.869	15.690	1.049e-3	5.071e-4	141	247	193.1897	300.0324	AAL93706.1  RNFB-related protein							
					147	245	147.0000	321.3923								
<b>FN1592</b>									AAL93707.1  Na(+)-translocating NADH-quinone reductase subunit D							
					13		13.0000									
<b>FN1594</b>	-0.519	11.095	2.673e-2	3.9e-2	22	49	30.1431	59.5206	AAL93709.1  Nitrogen fixation protein RNFG							
					48	40	48.0000	52.4722								
<b>FN1595</b>	0.081	14.238	2.867e-1	8.961e-1	35	121	47.9549	146.9795	AAL93710.1  Na(+)-translocating NADH-quinone reductase subunit B							
					238	94	238.0000	123.3097								
<b>FN1596</b>	-0.888	19.764	2.767e-2	4.074e-2	722	1055	989.2410	1281.5151	AAL93711.1  Nitrogen fixation iron-sulphur protein RNFC							
					398	980	398.0000	1285.5692								
<b>FN1597</b>	0.789	8.764			20	11	27.4028	13.3618	AAL93712.1  Peptidyl-tRNA hydrolase							
						14		18.3653								
<b>FN1600</b>	0.594	6.325				6		7.2882	AAL93715.1  tRNA pseudouridine synthase A							
					11		11.0000									
<b>FN1601</b>						4		5.2472	AAL93716.1  Hypothetical cytosolic protein							
<b>FN1603</b>	-2.122	7.031			4	22	5.4806	26.7235	AAL93718.1  2',3'-cyclic nucleotide 3'-phosphodiesterase							
						16		20.9889								
<b>FN1605</b>	-0.300	16.736	7.979e-2	1.693e-1	169	314	231.5536	381.4178	AAL93720.1  Adenylosuccinate synthetase							
					364	268	364.0000	351.5638								
<b>FN1606</b>	-1.640	10.113	4.178e-4	1.15e-4	10	46	13.7014	55.8765	AAL93721.1  3-deoxy-D-manno-octulosonic-acid transferase							
					24	47	24.0000	61.6548								
<b>FN1607</b>	-0.404	8.668	4.08e-2	6.775e-2	11	22	15.0715	26.7235	AAL93722.1  Cytidylate kinase							
					20	15	20.0000	19.6771								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN1608</b>					8		8.0000		AAL93723.1  Ribosomal protein L11 methyltransferase							
<b>FN1609</b>	-2.360	9.530			12	43	12.0000	56.4076	AAL93724.1  Hypothetical protein							
<b>FN1610</b>	0.674	9.850	5.91e-4	1.98e-4	29	18	39.7341	21.8647	AAL93725.1  33 kDa chaperonin							
<b>FN1611</b>								3.9354	AAL93726.1  Competence protein							
<b>FN1613</b>	-0.193	8.730	2.094e-2	2.87e-2	15	19	20.5521	23.0794	AAL93728.1  Hypothetical protein							
<b>FN1614</b>	-0.398	10.108	6.677e-2	1.343e-1	24	25	32.8834	30.3677	AAL93729.1  MG(2+) chelatase family protein							
<b>FN1616</b>	-0.145	8.145				14		17.0059	AAL93731.1  N utilization substance protein B							
<b>FN1618</b>	0.013	10.298	3.024e-1	9.667e-1	17	29	23.2924	35.2265	AAL93733.1  Hypothetical protein							
<b>FN1619</b>	1.079	14.402	5.791e-3	5.542e-3	134	90	183.5987	109.3236	AAL93734.1  Hypothetical cytosolic protein							
<b>FN1620</b>	-0.686	18.440	3.672e-2	5.888e-2	468	589	641.2254	715.4620	AAL93735.1  SSU ribosomal protein S2P							
<b>FN1621</b>	-0.815	20.738	1.155e-2	1.346e-2	923	1389	1264.6391	1687.2269	AAL93736.1  Protein Translation Elongation Factor Ts							
<b>FN1622</b>	-1.405	14.538	1.889e-3	1.184e-3	53	207	72.6174	251.4442	AAL93737.1  Uridylate kinase							
<b>FN1623</b>	-1.639	12.064	1.382e-3	7.695e-4	22	107	30.1431	129.9736	AAL93738.1  Ribosome Recycling Factor (RRF)							
<b>FN1624</b>	-2.007	10.926				70		85.0294	AAL93739.1  Protein translocase subunit secY							
<b>FN1625</b>	-1.012	13.664	1.985e-2	2.686e-2	85	140	116.4619	170.0589	AAL93740.1  LSU ribosomal protein L15P							
<b>FN1626</b>	-3.376	9.716				75		91.1030	AAL93741.1  LSU ribosomal protein L30P							

Show detected proteins only  
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 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1627	-0.912	16.987	2.226e-4	4.499e-5	193	397	264.4370	482.2384	AAL93742.1  SSU ribosomal protein S5P							
					261	386	261.0000	506.3568								
FN1628	0.419	15.521			183	177	250.7356	215.0030	AAL93743.1  LSU ribosomal protein L18P							
						122		160.0402								
FN1629	-0.876	17.655	3.913e-2	6.405e-2	369	524	505.5816	636.5061	AAL93744.1  LSU ribosomal protein L6P							
					165	453	165.0000	594.2478								
FN1630	-0.713	13.210	1.009e-3	4.763e-4	57	108	78.0980	131.1883	AAL93745.1  SSU ribosomal protein S8P							
					74	90	74.0000	118.0625								
FN1631	-1.281	5.924				10		12.1471	AAL93746.1  SSU ribosomal protein S14P							
					5		5.0000									
FN1632	-1.015	16.452	7.678e-4	3.029e-4	152	367	208.2613	445.7972	AAL93747.1  LSU ribosomal protein L5P							
					213	309	213.0000	405.3478								
FN1634	0.794	11.224			47	32	64.3966	38.8706	AAL93749.1  LSU ribosomal protein L24P							
						27		35.4187								
FN1635	-1.370	9.635	6.473e-5	7.232e-6	11	39	15.0715	47.3735	AAL93750.1  LSU ribosomal protein L14P							
					20	33	20.0000	43.2896								
FN1636	-1.670	10.912	5.613e-3	5.312e-3	6	76	8.2208	92.3177	AAL93751.1  SSU ribosomal protein S17P							
					41	49	41.0000	64.2785								
FN1637						18		21.8647	AAL93752.1  LSU ribosomal protein L29P							
						57		74.7729								
FN1638	-2.223	14.563	2.355e-4	4.924e-5	73	264	100.0202	320.6824	AAL93753.1  LSU ribosomal protein L16P							
					44	268	44.0000	351.5638								
FN1639	-0.602	19.260	3.975e-2	6.54e-2	619	778	848.1166	945.0414	AAL93754.1  SSU ribosomal protein S3P							
					438	768	438.0000	1007.4665								
FN1640	-0.669	13.873	4.407e-2	7.534e-2	98	128	134.2737	155.4824	AAL93755.1  LSU ribosomal protein L22P							
					60	117	60.0000	153.4812								
FN1641	-0.944	14.982	3.583e-2	5.703e-2	147	225	201.4106	273.3089	AAL93756.1  SSU ribosomal protein S19P							
					58	172	58.0000	225.6305								
FN1642	-1.187	17.039	2.304e-2	3.236e-2	285	429	390.4899	521.1090	AAL93757.1  LSU ribosomal protein L2P							
					96	447	96.0000	586.3770								
FN1643	0.230	13.378	2.394e-1	7.017e-1	131	78	179.4883	94.7471	AAL93758.1  LSU ribosomal protein L23P							
					44	73	44.0000	95.7618								

Show detected proteins only  
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Proteins found: 1338

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

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

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

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1644	-0.619	19.366	1.84e-2	2.429e-2	594	862	813.8631	1047.0768	AAL93759.1  LSU ribosomal protein L1E							
					513	755	513.0000	990.4130								
FN1645	-1.468	17.056	7.871e-3	8.459e-3	248	528	339.7947	641.3649	AAL93760.1  LSU ribosomal protein L3P							
					104	447	104.0000	586.3770								
FN1646	-0.665	15.556	5.081e-2	9.155e-2	180	223	246.6252	270.8795	AAL93761.1  SSU ribosomal protein S10P							
					102	215	102.0000	282.0381								
FN1647	-0.316	17.063	2.085e-1	5.874e-1	409	384	560.3872	466.4472	AAL93762.1  Hypothetical protein							
					103	274	103.0000	359.4346								
FN1652	-1.992	13.422	1.418e-4	2.337e-5	38	167	52.0653	202.8559	AAL93767.1  Oligopeptide-binding protein oppA							
					53	164	53.0000	215.1361								
FN1654	0.914	10.762	9.644e-2	2.167e-1	20	23	27.4028	27.9382	AAL93769.1  Hypothetical protein							
					87	25	87.0000	32.7951								
FN1655	-0.122	12.930	2.315e-1	6.717e-1	82	74	112.3515	89.8883	AAL93770.1  Hypothetical cytosolic protein							
					57	72	57.0000	94.4500								
FN1657	-0.914	14.576	6.547e-2	1.308e-1	145	188	198.6703	228.3648	AAL93772.1  SSU ribosomal protein S6P							
					29	153	29.0000	200.7062								
FN1658	-1.402	14.043	1.551e-3	8.967e-4	59	188	80.8383	228.3648	AAL93773.1  Prolyl-tRNA synthetase							
					79	148	79.0000	194.1472								
FN1660									AAL93775.1  ATP-dependent DNA helicase recG							
						4		5.2472								
FN1661	-0.541	10.636	5.53e-2	1.03e-1	22	49	30.1431	59.5206	AAL93776.1  Hypothetical cytosolic protein							
					36	28	36.0000	36.7305								
FN1662	-0.791	9.927	1.872e-2	2.488e-2	12	33	16.4417	40.0853	AAL93777.1  Hypothetical protein							
					31	32	31.0000	41.9778								
FN1663	-0.412	6.752				10		12.1471	AAL93778.1  Hypothetical protein							
					9	9	9.0000	11.8062								
FN1666									AAL93781.1  Hypothetical protein							
						3		3.9354								
FN1667					3		4.1104		AAL93782.1  dTDP-glucose 4,6-dehydratase							
FN1668									AAL93783.1  Cholinephosphate cytidyltransferase							
					5		5.0000									

Show detected proteins only  
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Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1670	-1.175	11.013	1.198e-3	6.347e-4	23	52	31.5132	63.1647	AAL93785.1  Choline kinase							
					29	56	29.0000	73.4611		■						
FN1671						5		6.0735	AAL93786.1  hypothetical exported protein							
						4		5.2472								
FN1679	0.384	17.222	8.534e-2	1.851e-1	249	258	341.1648	313.3942	AAL93794.1  LPS biosynthesis protein WbpG							
					552	283	552.0000	371.2409		■						
FN1683	-1.996	11.806	1.071e-4	1.503e-5	16	91	21.9222	110.5383	AAL93798.1  Acetyltransferase							
					38	98	38.0000	128.5569		■						
FN1684	0.315	16.924	1.126e-1	2.633e-1	358	257	490.5101	312.1795	AAL93799.1  N-acetylneuraminate synthase							
					296	244	296.0000	320.0805		■						
FN1685	-0.127	12.373	2.538e-1	7.584e-1	74	54	101.3903	65.5941	AAL93800.1  dTDP-4-dehydrorhamnose reductase							
					38	66	38.0000	86.5791		■						
FN1686	0.226	15.857	2.062e-1	5.79e-1	270	182	369.9378	221.0765	AAL93801.1  Spore coat polysaccharide biosynthesis protein spsF							
					157	175	157.0000	229.5659		■						
FN1687	-0.251	15.505	7.081e-2	1.448e-1	147	221	201.4106	268.4501	AAL93802.1  Gluconate 5-dehydrogenase							
					194	154	194.0000	202.0180		■						
FN1688	1.263	13.004	9.311e-2	2.07e-1	167	51	228.8134	61.9500	AAL93803.1  Oxidoreductase							
					52	42	52.0000	55.0958		■						
FN1689	-0.982	17.502	4.804e-5	4.446e-6	241	484	330.2037	587.9178	AAL93804.1  UDP-N-acetylglucosamine 4,6-dehydratase							
					283	475	283.0000	623.1075		■						
FN1690	-0.698	11.765	3.028e-2	4.573e-2	45	60	61.6563	72.8824	AAL93805.1  Hypothetical protein							
					31	59	31.0000	77.3965		■						
FN1692	-1.382	11.280	6.028e-4	2.042e-4	21	71	28.7729	86.2441	AAL93807.1  Glycosyl transferase							
					33	57	33.0000	74.7729		■						
FN1693	-0.295	8.291	1.261e-1	3.04e-1	8	15	10.9611	18.2206	AAL93808.1  Hypothetical protein							
					21	16	21.0000	20.9889		■						
FN1694	-1.263	12.735	6.092e-3	5.943e-3	53	108	72.6174	131.1883	AAL93809.1  UDP-N-acetyl-D-quinovosamine 4-epimerase							
					34	95	34.0000	124.6215		■						
FN1695	-1.327	8.752	3.036e-3	2.28e-3	6	25	8.2208	30.3677	AAL93810.1  Probable quinovosaminephosphotransferase							
					18	27	18.0000	35.4187		■						
FN1696	-0.164	14.848	1.569e-1	4.028e-1	93	147	127.4230	178.5618	AAL93811.1  UDP-N-acetylglucosamine 4,6-dehydratase							
					197	141	197.0000	184.9645		■						

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1697	-1.012	14.080	1.832e-2	2.416e-2	36	136	49.3250	165.2000	AAL93812.1  Hypothetical protein							
					136	159	136.0000	208.5770								
FN1698	0.660	13.812	6.211e-2	1.22e-1	77	88	105.5008	106.8941	AAL93813.1  dTDP-4-dehydrorhamnose reductase							
					196	64	196.0000	83.9555								
FN1700									AAL93815.1  Hypothetical protein							
						9		11.8062								
FN1701	-0.897	11.336	3.078e-3	2.325e-3	23	57	31.5132	69.2383	AAL93816.1  ABC transporter ATP-binding protein							
					43	53	43.0000	69.5257								
FN1703	-0.139	14.496	2.479e-1	7.349e-1	56	133	76.7278	161.5559	AAL93818.1  ADP-L-glycero-D-manno-heptose-6-epimerase							
					213	120	213.0000	157.4166								
FN1704	-1.213	7.629	9.445e-3	1.06e-2	4	18	5.4806	21.8647	AAL93819.1  Serine protease							
					13	16	13.0000	20.9889								
FN1707						7		8.5029	AAL93822.1  Aldose 1-epimerase							
						4		5.2472								
FN1708	-0.861	18.285	2.669e-5	1.839e-6	294	634	402.8211	770.1237	AAL93823.1  Polyribonucleotide nucleotidyltransferase							
					436	574	436.0000	752.9762								
FN1711						14		17.0059	AAL93826.1  Methyltransferase							
						12		15.7417								
FN1713	0.483	6.436							AAL93828.1  tRNA (Uracil-5-) -methyltransferase							
					11	6	11.0000	7.8708								
FN1715									AAL93830.1  ATPase							
					3		3.0000									
FN1717	-2.038	10.431	1.683e-4	2.964e-5	18	57	24.6625	69.2383	AAL93832.1  NAD-dependent DNA ligase							
					12	62	12.0000	81.3319								
FN1718	-1.083	17.982	2.449e-4	5.252e-5	284	569	389.1197	691.1678	AAL93833.1  Protein translocase subunit secA							
					310	602	310.0000	789.7068								
FN1719	-0.539	16.963	1.975e-3	1.266e-3	238	341	326.0933	414.2148	AAL93834.1  Hypothetical protein							
					267	341	267.0000	447.3256								
FN1722						7		8.5029	AAL93837.1  Glucose inhibited division protein B							
						4		5.2472								
FN1723	-1.008	12.769	4.075e-3	3.41e-3	40	86	54.8056	104.4647	AAL93838.1  Glucose inhibited division protein A							
					63	101	63.0000	132.4923								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1724	0.576	8.057			5	11	6.8507	13.3618	AAL93839.1  Potassium uptake protein KtrA							
					33		33.0000									
FN1728	-0.386	8.629	1.038e-3	4.983e-4	13	18	17.8118	21.8647	AAL93843.1  Pyrrolidone-carboxylate peptidase							
					17	18	17.0000	23.6125								
FN1730	-0.644	8.109	2.431e-2	3.463e-2	7	18	9.5910	21.8647	AAL93845.1  Para-aminobenzoate synthase component I							
					17	15	17.0000	19.6771								
FN1731					7		9.5910		AAL93846.1  Anthranilate synthase component II							
					8		8.0000									
FN1732	0.941	10.311	6.894e-2	1.399e-1	21	24	28.7729	29.1529	AAL93847.1  Hypothetical protein							
					70	17	70.0000	22.3007								
FN1733									AAL93848.1  V-type sodium ATP synthase subunit D							
					8		8.0000									
FN1734	0.411	13.885	1.689e-3	1.008e-3	99	86	135.6438	104.4647	AAL93849.1  V-type sodium ATP synthase subunit B							
					148	83	148.0000	108.8798								
FN1735	0.738	12.791	8.608e-2	1.872e-1	47	49	64.3966	59.5206	AAL93850.1  V-type sodium ATP synthase subunit A							
					153	54	153.0000	70.8375								
FN1736	1.129	8.712	3.761e-2	6.075e-2	15	12	20.5521	14.5765	AAL93851.1  V-type sodium ATP synthase subunit A							
					40	10	40.0000	13.1181								
FN1737	-0.822	5.498	5.269e-2	9.624e-2	3	5	4.1104	6.0735	AAL93852.1  V-type sodium ATP synthase subunit G							
					6	9	6.0000	11.8062								
FN1738	1.946	11.018	3.79e-2	6.138e-2	94	22	128.7931	26.7235	AAL93853.1  V-type sodium ATP synthase subunit C							
					50	15	50.0000	19.6771								
FN1739	0.306	5.733			6		8.2208		AAL93854.1  V-type sodium ATP synthase subunit E							
					8	5	8.0000	6.5590								
FN1740									AAL93855.1  V-type sodium ATP synthase subunit K							
					185		185.0000									
FN1741	0.670	9.257	8.139e-3	8.846e-3	20	15	27.4028	18.2206	AAL93856.1  V-type sodium ATP synthase subunit I							
					35	16	35.0000	20.9889								
FN1742					9		12.3313		AAL93857.1  V-type sodium ATP synthase subunit G							
					8		8.0000									
FN1743									AAL93858.1  Multidrug-efflux transporter 2 regulator							
					8		8.0000									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1745	2.072	7.098				4		4.8588	AAL93860.1  Cystathionine gamma-synthase							
					24	5	24.0000	6.5590								
FN1746									AAL93861.1  Cystathionine beta-lyase							
					7		7.0000									
FN1754									AAL93869.1  Thiazole biosynthesis protein thiG							
					11		15.0715									
FN1763	1.959	10.009	1.247e-2	1.477e-2	34	16	46.5848	19.4353	AAL93876.1  Hypothetical cytosolic protein							
					80	10	80.0000	13.1181								
FN1764	0.187	23.848	2.596e-1	7.817e-1	926	3002	1268.7495	3646.5481	AAL93877.1  Enolase							
					7022	2773	7022.0000	3637.6360								
FN1765	-1.291	19.164	6.487e-3	6.485e-3	207	933	283.6189	1133.3209	AAL93878.1  Pyruvate kinase							
					696	964	696.0000	1264.5803								
FN1780	-1.339	8.610	5.36e-3	4.992e-3	5	28	6.8507	34.0118	AAL93879.1  Hypothetical protein							
					18	22	18.0000	28.8597								
FN1781	-0.691	18.542	1.231e-2	1.454e-2	433	666	593.2706	808.9943	AAL93880.1  LytB protein							
					379	580	379.0000	760.8471								
FN1783									AAL93882.1  Ethanolamine utilization protein eutJ							
					11		11.0000									
FN1784	-1.541	8.185				22		26.7235	AAL93883.1  unknown							
					10	24	10.0000	31.4833								
FN1785	-1.171	8.572				32		38.8706	AAL93884.1  Hypothetical protein							
					13	15	13.0000	19.6771								
FN1786	-1.607	10.856	5.276e-3	4.89e-3	9	60	12.3313	72.8824	AAL93885.1  ADP-heptose synthase							
					37	59	37.0000	77.3965								
FN1787	-2.139	10.221	8.616e-4	3.704e-4	16	60	21.9222	72.8824	AAL93886.1  Tetratricopeptide repeat family protein							
					11	55	11.0000	72.1493								
FN1788	0.089	9.167	2.6e-1	7.834e-1	12	21	16.4417	25.5088	AAL93887.1  2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase							
					33	16	33.0000	20.9889								
FN1790	3.150	7.103			5		6.8507		AAL93889.1  Cob(I)alamin adenosyltransferase							
					63	3	63.0000	3.9354								
FN1792	0.744	22.973	7.001e-2	1.427e-1	3669	1765	5027.0431	2143.9565	AAL93891.1  Hypothetical protein							
					2401	1746	2401.0000	2290.4120								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
	<b>FN1793</b>	0.340	14.830	2.264e-1	6.524e-1	38	131	52.0653		159.1265	AAL93892.1  Phosphoenolpyruvate-protein phosphotransferase					
					332	110	332.0000	144.2986								
<b>FN1794</b>	-2.237	12.907	4.652e-4	1.373e-4	29	148	39.7341	179.7765	AAL93893.1  Phosphocarrier protein HPr							
					41	153	41.0000	200.7062								
<b>FN1796</b>									AAL93895.1  unknown							
						5		6.5590								
<b>FN1797</b>	-0.965	12.188	1.807e-2	2.372e-2	21	74	28.7729	89.8883	AAL93896.1  Spermidine/putrescine transport ATP-binding protein potA							
					69	77	69.0000	101.0090								
<b>FN1798</b>	-0.529	7.173							AAL93897.1  Spermidine/putrescine transport system permease protein potB							
					10	11	10.0000	14.4299								
<b>FN1800</b>	-1.164	14.275	1.624e-3	9.55e-4	57	172	78.0980	208.9295	AAL93899.1  Peptidyl-prolyl cis-trans isomerase							
					110	162	110.0000	212.5125								
<b>FN1801</b>	1.297	8.419							AAL93900.1  Sodium/glutamate symport carrier protein							
					29	9	29.0000	11.8062								
<b>FN1803</b>									AAL93902.1  Transcriptional regulator, TetR family							
						7		8.5029								
<b>FN1804</b>	0.733	8.186							AAL93903.1  Aminoacyl-histidine dipeptidase							
					22	10	22.0000	13.1181								
<b>FN1807</b>	-0.405	17.120	4.755e-4	1.426e-4	251	348	343.9051	422.7178	AAL93906.1  Hypothetical protein							
					312	340	312.0000	446.0138								
<b>FN1808</b>	-3.354	10.524							AAL93907.1  Hypothetical protein							
					12	101	12.0000	132.4923								
<b>FN1809</b>	0.046	8.944	2.993e-1	9.525e-1	3	23	4.1104	27.9382	AAL93908.1  Iron/zinc/copper-binding protein							
					41	12	41.0000	15.7417								
<b>FN1811</b>	-1.950	10.824	6.988e-4	2.593e-4	9	73	12.3313	88.6736	AAL93910.1  Manganese transport system ATP-binding protein mntA							
					31	60	31.0000	78.7083								
<b>FN1812</b>	-0.764	14.623	7.852e-2	1.657e-1	148	167	202.7807	202.8559	AAL93911.1  Manganese-binding protein							
					41	161	41.0000	211.2006								
<b>FN1813</b>	-2.125	8.768							AAL93912.1  Manganese-binding protein							
					10	35	10.0000	45.9132								
<b>FN1814</b>									AAL93913.1  Hypothetical protein							
						29		35.2265								
						27		35.4187								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found: 1338

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value .005

p-Value

Signif	Direction	Applies To
red	yes	+
yellow	no	n/a
green	yes	-
pink	yes	+
light green	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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1816	0.093	6.397	2.275e-1	6.566e-1	8	6	10.9611	7.2882	AAL93915.1  unknown							
					8	8	8.0000	10.4944								
FN1817	-0.378	5.575			3		4.1104		AAL93916.1  Hemolysin							
					8	6	8.0000	7.8708								
FN1819						8		9.7176	AAL93918.1  Export ABC transporter							
						12		15.7417								
FN1820						8		9.7176	AAL93919.1  Export ABC transporter							
						6		7.8708								
FN1822						16		19.4353	AAL93921.1  Flavodoxin							
						10		13.1181								
FN1826	-1.242	11.001	8.325e-4	3.482e-4	24	52	32.8834	63.1647	AAL93925.1  Protease							
					26	58	26.0000	76.0847								
FN1827	-0.457	11.493	5.739e-2	1.087e-1	26	42	35.6236	51.0177	AAL93926.1  Replicative DNA helicase							
					56	57	56.0000	74.7729								
FN1828	-0.343	13.069	1.914e-1	5.278e-1	99	79	135.6438	95.9618	AAL93927.1  LSU ribosomal protein L9P							
					29	86	29.0000	112.8153								
FN1830	0.319	10.276	1.633e-1	4.251e-1	18	26	24.6625	31.5824	AAL93929.1  DNA polymerase III subunits gamma and tau							
					54	24	54.0000	31.4833								
FN1831	0.505	12.687	8.971e-3	9.957e-3	77	55	105.5008	66.8088	AAL93930.1  Nitrogen assimilation regulatory protein							
					88	53	88.0000	69.5257								
FN1834	-1.228	10.793	3.924e-4	1.042e-4	19	50	26.0327	60.7353	AAL93933.1  Biopolymer transport exbB protein							
					29	52	29.0000	68.2139								
FN1836	-1.370	12.374	6.756e-4	2.451e-4	26	100	35.6236	121.4706	AAL93935.1  Tetratricopeptide repeat family protein							
					55	86	55.0000	112.8153								
FN1839	1.968	16.740	3.183e-2	4.881e-2	286	135	391.8600	163.9853	AAL93938.1  Glycerol kinase							
					917	130	917.0000	170.5347								
FN1840	1.484	11.328	4.759e-3	4.259e-3	53	24	72.6174	29.1529	AAL93939.1  Dihydroxyacetone kinase							
					97	24	97.0000	31.4833								
FN1841	-0.413	8.863	1.55e-1	3.963e-1	20	14	27.4028	17.0059	AAL93940.1  Dihydroxyacetone kinase							
					10	25	10.0000	32.7951								
FN1842	-0.169	9.365	2.024e-1	5.658e-1	12	20	16.4417	24.2941	AAL93941.1  Dihydroxyacetone kinase phosphotransfer protein							
					32	23	32.0000	30.1715								

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1843					3		4.1104		AAL93942.1  Surface antigen							
FN1844	-1.392	6.035			5	10	5.0000	13.1181	AAL93943.1  Ketoacyl reductase hetN							
FN1847	0.729	7.165	1.321e-1	3.225e-1	5	11	6.8507	13.3618	AAL93946.1  DTD-4-dehydrorhamnose 3,5-epimerase							
FN1849	-0.266	9.436				27		32.7971	AAL93948.1  Coenzyme F390 synthetase							
FN1850	2.654	8.516				5		6.0735	AAL93949.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
FN1851	0.490	12.612	1.857e-1	5.072e-1	23	57	31.5132	69.2383	AAL93950.1  Ribonuclease PH							
FN1852	-0.404	10.445	8.45e-2	1.828e-1	16	34	21.9222	41.3000	AAL93951.1  unknown							
FN1853	0.477	8.050	1.379e-1	3.407e-1	20	13	27.4028	15.7912	AAL93952.1  Methylaspartate mutase							
FN1854	-0.562	11.028	1.92e-2	2.572e-2	33	45	45.2146	54.6618	AAL93953.1  Methylaspartate mutase							
FN1855									AAL93954.1  Methylaspartate mutase							
FN1856	-0.155	23.372	4.956e-2	8.848e-2	2099	2855	2875.9235	3467.9863	AAL93955.1  Butyrate-acetoacetate CoA-transferase subunit B							
FN1857	0.801	19.791	1.135e-4	1.655e-5	897	633	1229.0154	768.9090	AAL93956.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
FN1858	-0.870	11.593			30	60	41.1042	72.8824	AAL93957.1  Short-chain fatty acids transporter							
FN1859	-0.003	24.501	3.09e-1	9.971e-1	443	4473	606.9720	5433.3809	AAL93958.1  Major outer membrane protein							
FN1860	1.392	10.825				26		31.5824	AAL93959.1  NA+/H+ antiporter NHAC							
FN1862	-0.052	15.804	2.805e-1	8.691e-1	232	211	317.8724	256.3030	AAL93961.1  L-beta-lysine 5,6-aminomutase beta subunit							

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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1863	1.287	17.930	1.008e-1	2.297e-1	957	246	1311.2238	298.8177	AAL93962.1  L-beta-lysine 5,6-aminomutase alpha subunit							
					250	260	250.0000	341.0694								
FN1864	-0.800	8.341	8.261e-2	1.774e-1	17	24	23.2924	29.1529	AAL93963.1  DNA mismatch repair protein mutS							
					4	14	4.0000	18.3653								
FN1865						4		4.8588	AAL93964.1  Hypothetical protein							
FN1866	-0.479	20.901	5.418e-2	1.001e-1	1117	1326	1530.4462	1610.7004	AAL93965.1  Lysine 2,3-aminomutase							
					840	1291	840.0000	1693.5406								
FN1867	0.241	19.771	2.013e-1	5.62e-1	1058	736	1449.6080	894.0238	AAL93966.1  Zn-dependent alcohol dehydrogenases and related dehydrogenases							
					607	645	607.0000	846.1144								
FN1868	-0.951	14.428	3.495e-3	2.773e-3	96	179	131.5334	217.4324	AAL93967.1  Hypothetical cytosolic protein							
					82	149	82.0000	195.4590								
FN1869	-0.432	15.372	7.765e-2	1.633e-1	172	180	235.6641	218.6471	AAL93968.1  Hypothetical protein							
					119	198	119.0000	259.7374								
FN1870									AAL93969.1  unknown							
						6		7.8708								
FN1871						9		10.9324	AAL93970.1  unknown							
						9		11.8062								
FN1872						17		20.6500	AAL93971.1  unknown							
						19		24.9243								
FN1873	-1.080	11.153	5.665e-4	1.858e-4	26	57	35.6236	69.2383	AAL93972.1  Bis(5'-nucleosyl)-tetraphosphatase							
					30	53	30.0000	69.5257								
FN1874	-1.394	10.062	5.462e-3	5.12e-3	9	43	12.3313	52.2324	AAL93973.1  Ribose 5-phosphate isomerase							
					28	41	28.0000	53.7840								
FN1875	0.043	14.147	2.717e-1	8.319e-1	112	131	153.4557	159.1265	AAL93974.1  Peptidyl-prolyl cis-trans isomerase							
					120	81	120.0000	106.2562								
FN1878						11		13.3618	AAL93977.1  unknown							
						9		11.8062								
FN1879									AAL93978.1  SSU ribosomal protein S20P							
						33		43.2896								
FN1880	1.807	12.789	2.521e-6	1.122e-7	118	33	161.6765	40.0853	AAL93979.1  Oxygen-insensitive NAD(P)H nitroreductase							
					153	38	153.0000	49.8486								

- Show detected proteins only
- Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found:  
1338

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	-	

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
<b>FN1881</b>					10		10.0000		AAL93980.1  Esterase							
<b>FN1884</b>	-0.444	11.353			32	55	43.8445	66.8088	AAL93983.1  unknown							
<b>FN1890</b>	2.010	7.817			22	8	30.1431	9.7176	AAL93989.1  Hypothetical protein							
<b>FN1891</b>	0.939	8.361	1.275e-1	3.085e-1	6	14	8.2208	17.0059	AAL93990.1  Glycerophosphoryl diester phosphodiesterase							
<b>FN1893</b>	-0.583	18.694	1.202e-4	1.828e-5	389	648	532.9844	787.1296	AAL93991.1  Fusobacterium outer membrane protein family							
<b>FN1898</b>	-1.157	10.576	1.509e-2	1.872e-2	9	55	12.3313	66.8088	AAL93997.1  Sugar transport ATP-binding protein							
<b>FN1899</b>	0.060	15.420	2.563e-1	7.682e-1	123	181	168.5272	219.8618	AAL93998.1  Hypothetical lipoprotein							
<b>FN1902</b>	-0.028	10.100	2.452e-1	7.242e-1	26	27	35.6236	32.7971	AAL94001.1  Deoxycytidylate deaminase							
<b>FN1903</b>	-2.264	9.805	3.089e-3	2.337e-3	17	55	23.2924	66.8088	AAL94002.1  Coenzyme A disulfide reductase/ disulfide bond regulator domain							
<b>FN1905</b>									AAL94004.1  outer membrane protein							
<b>FN1906</b>	0.592	17.159	8.944e-2	1.965e-1	222	257	304.1710	312.1795	AAL94005.1  Cytosol aminopeptidase							
<b>FN1908</b>	0.384	16.395	2.985e-2	4.49e-2	213	233	291.8398	283.0265	AAL94007.1  Glycerophosphoryl diester phosphodiesterase							
<b>FN1909</b>	-0.951	13.699	1.873e-3	1.17e-3	51	129	69.8771	156.6971	AAL94008.1  UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase							
<b>FN1910</b>	-1.075	15.909	2.784e-3	2.019e-3	148	257	202.7807	312.1795	AAL94009.1  periplasmic protein							
<b>FN1911</b>	0.539	21.645	2.035e-2	2.771e-2	1822	1318	2496.3948	1600.9828	AAL94010.1  Outer membrane protein							
<b>FN1912</b>	-1.505	8.335	6.81e-4	2.483e-4	9	25	12.3313	30.3677	AAL94011.1  Hypothetical protein							

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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1913	-0.697	12.644	4.043e-2	6.692e-2	64	77	87.6890	93.5324	AAL94012.1  hydrolase (HD superfamily)							
					38	84	38.0000	110.1916								
FN1914	0.655	13.979	1.845e-1	5.025e-1	213	76	291.8398	92.3177	AAL94013.1  Anti-sigma F factor antagonist							
					27	84	27.0000	110.1916								
FN1917	0.608	4.561							AAL94016.1  tRNA delta(2)-isopentenylpyrophosphate transferase							
					6	3	6.0000	3.9354								
FN1918	-0.558	11.698	7.937e-2	1.682e-1	19	59	26.0327	71.6677	AAL94017.1  SPO0B-associated GTP-binding protein							
					69	52	69.0000	68.2139								
FN1919	-2.878	8.684	3.404e-5	2.617e-6	8	43	10.9611	52.2324	AAL94018.1  Methyltransferase							
					4	44	4.0000	57.7194								
FN1920					7		9.5910		AAL94019.1  tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase							
FN1922	0.598	7.441	2.103e-6	7.977e-8	12	9	16.4417	10.9324	AAL94021.1  Hypothetical protein							
					16	8	16.0000	10.4944								
FN1923						4		4.8588	AAL94022.1  Adenine-specific methyltransferase							
FN1925					6		6.0000		AAL94024.1  Arsenical pump membrane protein							
FN1926	0.597	12.116	1.235e-1	2.962e-1	32	46	43.8445	55.8765	AAL94025.1  Nitrogen regulatory IIA protein							
					120	40	120.0000	52.4722								
FN1927	0.658	14.381	9.963e-2	2.262e-1	78	104	106.8709	126.3294	AAL94026.1  DEGV protein							
					260	81	260.0000	106.2562								
FN1928	1.094	8.521							AAL94027.1  Transcriptional regulator, MerR family							
					28	10	28.0000	13.1181								
FN1929	-0.664	11.498	1.087e-1	2.519e-1	12	38	16.4417	46.1588	AAL94028.1  Competence-damage protein cinA							
					69	68	69.0000	89.2028								
FN1931	0.294	5.321				4		4.8588	AAL94030.1  Protease							
					7	5	7.0000	6.5590								
FN1933	-1.191	6.775	1.782e-3	1.088e-3	5	12	6.8507	14.5765	AAL94032.1  Hypothetical protein							
					7	13	7.0000	17.0535								
FN1935	-0.856	6.026				6		7.2882	AAL94034.1  Adenine-specific methyltransferase							
					6	11	6.0000	14.4299								

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Find ORFs

Test Cutoff

q-Value .005

p-Value

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

Dot Plots Dot Plots

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

Protein	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1939	0.385	8.111				11		13.3618	AAL94038.1  Hypothetical protein							
					19	12	19.0000	15.7417								
FN1941	1.481	15.151	1.812e-4	3.292e-5	239	94	327.4634	114.1824	AAL94040.1  ClpB protein							
					310	87	310.0000	114.1271								
FN1942	1.174	5.735			8	4	10.9611	4.8588	AAL94041.1  putative DNA-binding protein							
FN1943	2.132	22.304	3.643e-3	2.929e-3	4000	929	5480.5594	1128.4621	AAL94042.1  Tryptophanase							
					4049	797	4049.0000	1045.5088								
FN1948									AAL94044.1  Hypothetical protein							
					7		7.0000									
FN1949	2.365	9.195	2.717e-2	3.982e-2	24	10	32.8834	12.1471	AAL94045.1  Xaa-Pro dipeptidase							
					77	7	77.0000	9.1826								
FN1950									AAL94046.1  Serine protease							
						55		66.8088								
FN1951									AAL94047.1  ATPase associated with chromosome architecture/replication							
						3		3.6441								
FN1956									AAL94052.1  Hypothetical protein							
					15		15.0000									
FN1964	-0.609	9.042	5.524e-5	5.711e-6	14	24	19.1820	29.1529	AAL94054.1  O-linked GLCNAC transferase							
					18	21	18.0000	27.5479								
FN1965	0.486	10.923	3.23e-2	4.977e-2	44	30	60.2862	36.4412	AAL94055.1  Tetratricopeptide repeat family protein							
					44	29	44.0000	38.0424								
FN1966	-0.851	10.944	7.543e-3	7.998e-3	30	42	41.1042	51.0177	AAL94056.1  Hypothetical protein							
					25	52	25.0000	68.2139								
FN1970									AAL94060.1  Hemin-binding periplasmic protein hmuT precursor							
						4		4.8588								
FN1971									AAL94061.1  Hemin receptor							
	0.778	9.641				15		18.2206								
FN1972									AAL94062.1  unknown							
	2.277	9.584			37	19	37.0000	24.9243								
FN1973									AAL94063.1  Translation initiation inhibitor							
	2.182	12.026	1.656e-3	9.815e-4	111	24	152.0855	29.1529								
					123	24	123.0000	31.4833								

Show detected proteins only  
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Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1974						6		7.2882	AAL94064.1  DNA/RNA helicase (DEAD/DEAH BOX family)							
						8		10.4944								
FN1975	-1.400	13.702	4.849e-4	1.476e-4	49	164	67.1369	199.2118	AAL94065.1  ATP-dependent RNA helicase							
					75	134	75.0000	175.7819								
FN1976	-0.800	10.426	7.915e-2	1.675e-1	6	46	8.2208	55.8765	AAL94066.1  4-amino-4-deoxychorismate lyase							
					48	32	48.0000	41.9778								
FN1977	0.237	6.286			7	8	9.5910	9.7176	AAL94067.1  Cell cycle protein MesJ							
						5		6.5590								
FN1978	-1.935	13.741	2.614e-3	1.852e-3	18	178	24.6625	216.2177	AAL94068.1  Cell division protein ftsH							
					95	184	95.0000	241.3722								
FN1979	-2.888	10.456	2.983e-4	7.006e-5	15	75	20.5521	91.1030	AAL94069.1  SSU ribosomal protein S15P							
					7	86	7.0000	112.8153								
FN1983	-1.070	16.582	6.53e-4	2.317e-4	139	380	190.4494	461.5884	AAL94073.1  Alkyl hydroperoxide reductase C22 protein							
					242	340	242.0000	446.0138								
FN1984	0.205	16.782	1.926e-1	5.319e-1	348	276	476.8087	335.2589	AAL94074.1  Thioredoxin reductase							
					244	221	244.0000	289.9090								
FN1985	-0.583	12.690	1.336e-1	3.273e-1	13	72	17.8118	87.4588	AAL94075.1  Inner membrane protein							
					115	85	115.0000	111.5034								
FN1986	-0.000	16.421	3.094e-1	9.99e-1	255	248	349.3857	301.2471	AAL94076.1  Hypothetical protein							
					243	222	243.0000	291.2208								
FN1987	2.122	7.705			22	6	30.1431	7.2882	AAL94077.1  Transcriptional regulator, GntR family							
						5		6.5590								
FN1988	3.596	15.052	3.588e-2	5.713e-2	221	43	302.8009	52.2324	AAL94078.1  Tyrosine phenol-lyase							
					979	41	979.0000	53.7840								
FN1989									AAL94079.1  Sodium-dependent tyrosine transporter							
					16		16.0000									
FN1991	0.141	17.361	4.567e-2	7.922e-2	334	326	457.6267	395.9942	AAL94081.1  Glucosamine-1-phosphate acetyltransferase							
					404	294	404.0000	385.6708								
FN1992	0.581	16.276	1.639e-2	2.083e-2	219	187	300.0606	227.1501	AAL94082.1  Ribose-phosphate pyrophosphokinase							
					389	178	389.0000	233.5013								
FN1993	-0.018	5.187				5		6.0735	AAL94083.1  SUA5 protein							
					6		6.0000									

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN1994	-0.089	11.457	2.786e-1	8.611e-1	59	49	80.8383	59.5206	AAL94084.1  Hypothetical protein							
					22	38	22.0000	49.8486								
FN1995	-1.152	5.152				6		7.2882	AAL94085.1  Hypothetical protein							
					4	8	4.0000	10.4944								
FN2001	0.901	7.743				9		10.9324	AAL94091.1  Hypothetical protein							
					20	8	20.0000	10.4944								
FN2007	-0.841	8.192	5.876e-2	1.124e-1	15	15	20.5521	18.2206	AAL94097.1  Glutathione peroxidase							
					5	21	5.0000	27.5479								
FN2008	2.271	6.224							AAL94098.1  Glycine betaine transport ATP-binding protein							
					19	3	19.0000	3.9354								
FN2009									AAL94099.1  Glycine betaine transport system permease protein							
					8		8.0000									
FN2011	-1.337	14.011	5.679e-3	5.396e-3	37	171	50.6952	207.7148	AAL94101.1  Valyl-tRNA synthetase							
					111	153	111.0000	200.7062								
FN2013	-0.281	4.924				5		6.0735	AAL94103.1  GTP-binding protein							
					5		5.0000									
FN2014	-1.417	15.225	3.257e-5	2.448e-6	77	275	105.5008	334.0442	AAL94104.1  ATP-dependent protease La							
					134	233	134.0000	305.6506								
FN2015	-0.748	13.545	2.051e-3	1.34e-3	64	108	87.6890	131.1883	AAL94105.1  ATP-dependent clp protease ATP-binding subunit clpX							
					81	116	81.0000	152.1694								
FN2016	-0.730	10.446				36		43.7294	AAL94106.1  ATP-dependent Clp protease proteolytic subunit							
					29	40	29.0000	52.4722								
FN2017	-0.572	18.961	3.324e-2	5.171e-2	543	728	743.9859	884.3061	AAL94107.1  Trigger factor, ppiase							
					428	654	428.0000	857.9206								
FN2018	-1.837	9.299	1.959e-3	1.25e-3	15	36	20.5521	43.7294	AAL94108.1  Single-stranded-DNA-specific exonuclease recJ							
					6	39	6.0000	51.1604								
FN2019	-0.242	10.866			29	32	39.7341	38.8706	AAL94109.1  Ribosome-binding factor A							
						42		55.0958								
FN2020	-0.269	16.155	7.182e-3	7.491e-3	190	242	260.3266	293.9589	AAL94110.1  Bacterial Protein Translation Initiation Factor 2 (IF-2)							
					232	228	232.0000	299.0916								
FN2022	-1.021	12.451	1.198e-8	4.849e-11	38	88	52.0653	106.8941	AAL94112.1  N utilization substance protein A							
					53	81	53.0000	106.2562								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN2023	0.590	7.446	1.739e-1	4.628e-1	20	8	27.4028	9.7176	AAL94113.1  Hypothetical cytosolic protein							
					5	9	5.0000	11.8062								
FN2030	-2.984	13.505	3.26e-5	2.451e-6	18	265	24.6625	321.8971	AAL94115.1  Inorganic pyrophosphatase							
					52	217	52.0000	284.6617								
FN2031	-1.652	6.561			4	10	5.4806	12.1471	AAL94116.1  Thiamine biosynthesis lipoprotein appE							
						17		22.3007								
FN2033	0.225	8.498			15	16	20.5521	19.4353	AAL94118.1  Guanylate kinase							
						12		15.7417								
FN2034	-0.476	8.706	9.662e-2	2.172e-1	18	17	24.6625	20.6500	AAL94119.1  Protein yicC							
					10	21	10.0000	27.5479								
FN2035	-0.356	18.018	2.15e-2	2.966e-2	375	490	513.8024	595.2060	AAL94120.1  DNA-directed RNA polymerase beta' chain							
					397	435	397.0000	570.6353								
FN2036	-0.901	17.232	3.329e-3	2.596e-3	163	469	223.3328	569.6972	AAL94121.1  DNA-directed RNA polymerase beta chain							
					351	383	351.0000	502.4214								
FN2037	0.290	19.709	2.004e-1	5.588e-1	1107	682	1516.7448	828.4296	AAL94122.1  LSU ribosomal protein L12P (L7/L12)							
					531	645	531.0000	846.1144								
FN2038	-0.837	16.073	4.147e-2	6.929e-2	216	242	295.9502	293.9589	AAL94123.1  LSU ribosomal protein L10P							
					97	311	97.0000	407.9714								
FN2039	-0.613	16.846	1.035e-3	4.962e-4	214	349	293.2099	423.9325	AAL94124.1  LSU ribosomal protein L1P							
					262	324	262.0000	425.0249								
FN2040	-1.158	12.697	7.93e-3	8.544e-3	57	114	78.0980	138.4765	AAL94125.1  LSU ribosomal protein L11P							
					31	80	31.0000	104.9444								
FN2041	0.560	12.042	1.587e-1	4.09e-1	91	47	124.6827	57.0912	AAL94126.1  Transcription antitermination protein nusG							
					33	38	33.0000	49.8486								
FN2045									AAL94129.1  Ferric uptake regulation protein							
					18		18.0000									
FN2046									AAL94130.1  Acetyltransferase							
					24		24.0000									
FN2047	-3.129	16.328	1.148e-6	3.253e-8	54	685	73.9876	832.0738	AAL94131.1  Fusobacterium outer membrane protein family							
					120	659	120.0000	864.4797								
FN2048	-0.332	15.532				198		240.5118	AAL94132.1  Outer membrane protein							
					194	189	194.0000	247.9312								

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN2049	1.100	17.889	6.173e-2	1.209e-1	753	270	1031.7153	327.9707	AAL94133.1  unknown							
					411	263	411.0000	345.0048								
FN2050	-0.361	15.648	1.844e-1	5.025e-1	240	195	328.8336	236.8677	AAL94134.1  Hypothetical membrane-spanning protein							
					71	211	71.0000	276.7909								
FN2051	-0.589	13.778	8.361e-2	1.803e-1	106	113	145.2348	137.2618	AAL94135.1  unknown							
					48	117	48.0000	153.4812								
FN2052	-1.626	14.269	5.543e-3	5.222e-3	89	210	121.9424	255.0883	AAL94136.1  unknown							
					38	182	38.0000	238.7486								
FN2053	-0.050	12.119	2.835e-1	8.823e-1	30	61	41.1042	74.0971	AAL94137.1  Serine/threonine sodium symporter							
					90	47	90.0000	61.6548								
FN2054	-0.665	15.074	8.638e-4	3.721e-4	100	195	137.0140	236.8677	AAL94138.1  Glucose-6-phosphate isomerase							
					158	176	158.0000	230.8777								
FN2058	0.479	18.198	1.417e-1	3.525e-1	683	374	935.8055	454.3001	AAL94142.1  Fusobacterium outer membrane protein family							
					359	362	359.0000	474.8735								
FN2059	-0.332	15.532				198		240.5118	AAL94143.1  Outer membrane protein							
					194	189	194.0000	247.9312								
FN2060	1.100	17.889	6.173e-2	1.209e-1	753	270	1031.7153	327.9707	AAL94144.1  unknown							
					411	263	411.0000	345.0048								
FN2061	-0.361	15.648	1.844e-1	5.025e-1	240	195	328.8336	236.8677	AAL94145.1  Hypothetical membrane-spanning protein							
					71	211	71.0000	276.7909								
FN2062	-0.589	13.778	8.361e-2	1.803e-1	106	113	145.2348	137.2618	AAL94146.1  unknown							
					48	117	48.0000	153.4812								
FN2063	-1.626	14.269	5.543e-3	5.222e-3	89	210	121.9424	255.0883	AAL94147.1  unknown							
					38	182	38.0000	238.7486								
FN2067						7		8.5029	AAL94151.1  Thiol:disulfide interchange protein tlpA							
						5		6.5590								
FN2068	1.581	7.165	9.753e-3	1.102e-2	12	6	16.4417	7.2882	AAL94152.1  dGTP triphosphohydrolase							
					25	5	25.0000	6.5590								
FN2069									AAL94153.1  Amino acid carrier protein alsT							
						4		5.2472								
FN2070	-0.830	7.749				16		19.4353	AAL94154.1  Cobyric acid synthase							
					11	15	11.0000	19.6771								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1338

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

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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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN2073	0.466	9.147	1.814e-1	4.908e-1	8	15	10.9611	18.2206	AAL94157.1  Adenine phosphoribosyltransferase							
					45	17	45.0000	22.3007								
FN2075	-1.552	10.261	2.351e-6	9.778e-8	16	48	21.9222	58.3059	AAL94159.1  Hypothetical protein							
					19	47	19.0000	61.6548								
FN2078	-0.696	3.866				4		4.8588	AAL94162.1  Transcriptional regulator, DeoR family							
					3		3.0000									
FN2081						20		24.2941	AAL94165.1  ABC transporter substrate-binding protein							
						17		22.3007								
FN2082	0.066	20.838	2.795e-1	8.648e-1	599	1045	820.7138	1269.3680	AAL94166.1  Formate--tetrahydrofolate ligase							
					1981	1073	1981.0000	1407.5671								
FN2093	-0.816	10.423	5.559e-2	1.038e-1	32	41	43.8445	49.8030	AAL94177.1  General secretion pathway protein G							
					12	37	12.0000	48.5368								
FN2098					3		4.1104		AAL94182.1  MRP-family nucleotide-binding protein							
					9		9.0000									
FN2100	-1.098	11.054	2.063e-3	1.352e-3	19	56	26.0327	68.0235	AAL94184.1  Hypothetical protein							
					37	51	37.0000	66.9021								
FN2102	-0.535	8.617	5.344e-2	9.817e-2	16	22	21.9222	26.7235	AAL94186.1  ABC transporter ATP-binding protein							
					11	16	11.0000	20.9889								
FN2103	-0.584	19.422	1.5e-2	1.858e-2	598	873	819.3436	1060.4385	AAL94187.1  tricarboxylate-binding protein							
					550	756	550.0000	991.7248								
FN2105	-0.841	6.455				12		14.5765	AAL94189.1  tricarboxylate transport membrane protein RctA							
					7	8	7.0000	10.4944								
FN2106	0.480	15.105	1.619e-1	4.202e-1	247	131	338.4245	159.1265	AAL94190.1  Transporter							
					105	121	105.0000	158.7284								
FN2107	-1.519	11.505	5.936e-3	5.733e-3	37	66	50.6952	80.1706	AAL94191.1  Galactokinase							
					13	78	13.0000	102.3208								
FN2108	-0.937	10.048	5.403e-3	5.046e-3	19	32	26.0327	38.8706	AAL94192.1  Galactose-1-phosphate uridylyltransferase							
					21	39	21.0000	51.1604								
FN2109	0.357	12.048	5.849e-2	1.117e-1	63	45	86.3188	54.6618	AAL94193.1  UDP-glucose 4-epimerase							
					61	46	61.0000	60.3430								
FN2116	-1.796	11.084				76		92.3177	AAL94200.1  Hypothetical exported 24-amino acid repeat protein							
					25	62	25.0000	81.3319								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1338

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	FnPg vs Fn				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPg	Fn	FnPg	Fn		-6	-4	-2	0	2	4	6
FN2117	-1.864	7.034				23		27.9382	AAL94201.1  Hypothetical exported 24-amino acid repeat protein							
					6	12	6.0000	15.7417								
FN2118	-2.982	8.596				50		60.7353	AAL94202.1  Hypothetical exported 24-amino acid repeat protein							
					7	38	7.0000	49.8486								
FN2119	0.059	10.437				32		38.8706	AAL94203.1  Hypothetical exported 24-amino acid repeat protein							
					38	26	38.0000	34.1069								
FN2120						24		29.1529	AAL94204.1  Hypothetical exported 24-amino acid repeat protein							
						30		39.3542								
FN2121	-1.562	13.957	1.544e-2	1.929e-2	94	171	128.7931	207.7148	AAL94205.1  Hypothetical exported 24-amino acid repeat protein							
					18	172	18.0000	225.6305								
FN2122	0.322	17.106	6.198e-2	1.216e-1	356	280	487.7698	340.1177	AAL94206.1  Phenylalanyl-tRNA synthetase beta chain							
					352	253	352.0000	331.8867								
FN2123	-0.043	13.279	2.912e-1	9.161e-1	39	77	53.4355	93.5324	AAL94207.1  Phenylalanyl-tRNA synthetase alpha chain							
					143	83	143.0000	108.8798								
FN2125	-1.221	13.987	1.167e-2	1.362e-2	89	154	121.9424	187.0648	AAL94209.1  DNA gyrase subunit A							
					45	154	45.0000	202.0180								
FN2126	-1.937	11.781	3.32e-4	8.134e-5	26	95	35.6236	115.3971	AAL94210.1  DNA gyrase subunit B							
					25	89	25.0000	116.7507								
FN2128						3		3.6441	AAL94212.1  RECF protein							

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found:

1338

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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

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