

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0001	-1.275	6.541	7.573e-4	1.334e-3	7	10	8.0083	13.0162	AAL94214.1 Chromosomal replication initiator protein dnaA							
					3	17	4.3974	17.0000								
FN0004	1.784	12.338	4.439e-3	1.286e-2	145	35	165.8869	45.5566	AAL94217.1 Inner membrane protein							
					69	32	101.1401	32.0000								
FN0005	1.595	10.422	8.613e-5	7.124e-5	60	12	68.6428	15.6194	AAL94218.1 Jag protein							
					41	27	60.0977	27.0000								
FN0006	-1.186	8.562	7.973e-6	1.958e-6	11	22	12.5845	28.6356	AAL94219.1 Thiophene and furan oxidation protein THDF							
					9	30	13.1922	30.0000								
FN0007	-0.696	7.157	2.992e-2	1.242e-1	10	8	11.4405	10.4129	AAL94220.1 Glucose inhibited division protein A							
					5	20	7.3290	20.0000								
FN0008								7.8097	AAL94221.1 Quinolinate synthetase A							
								11.0000								
FN0009									AAL94222.1 L-aspartate oxidase							
								25.0000								
FN0017								5.2065	AAL94230.1 Hypothetical protein							
								7.0000								
FN0018	0.749	9.945	1.226e-4	1.125e-4	34	18	38.8976	23.4291	AAL94231.1 Hypothetical protein							
					29	25	42.5082	25.0000								
FN0019	-0.010	5.114				6		7.8097	AAL94232.1 Transcription-repair coupling factor							
					4	4	5.8632	4.0000								
FN0022	1.713	9.048	4.072e-3	1.141e-2	28	8	32.0333	10.4129	AAL94235.1 Hypothetical protein							
					35	15	51.3030	15.0000								
FN0023	-0.033	7.781							AAL94236.1 Short-chain fatty acids transporter							
					10	15	14.6580	15.0000								
FN0024	0.788	9.128						34.3214	AAL94237.1 Hypothetical exported 24-amino acid repeat protein							
					30	18	27.8502	18.0000								
FN0025	0.359	6.359							AAL94238.1 Hypothetical exported 24-amino acid repeat protein							
					7	8	10.2606	8.0000								
FN0026								45.7619	AAL94239.1 Hypothetical exported 24-amino acid repeat protein							
					40		29.3160									
FN0029								5.7202	AAL94242.1 Flavodoxin							
					5											

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0030	-0.799	12.726	5.533e-4	8.615e-4	63	90	72.0750	117.1455	AAL94243.1 5-nitroimidazole antibiotic resistance protein							
					36	100	52.7687	100.0000								
FN0031	-1.142	8.147	1.66e-3	3.674e-3	7	20	8.0083	26.0323	AAL94244.1 unknown							
					10	24	14.6580	24.0000								
FN0033	-0.633	11.958	1.07e-6	1.34e-7	45	60	51.4821	78.0970	AAL94246.1 unknown							
					34	79	49.8372	79.0000								
FN0034	1.319	9.755	6.41e-4	1.067e-3	44	14	50.3381	18.2226	AAL94247.1 unknown							
					29	19	42.5082	19.0000								
FN0039						13		16.9210	AAL94252.1 DNA primase (bacterial type) and small primase-like proteins							
						16		16.0000								
FN0040	-0.539	18.495	1.488e-5	5.633e-6	424	549	485.0761	714.5875	AAL94253.1 Asparaginyl-tRNA synthetase							
					357	751	523.2901	751.0000								
FN0041					4		4.5762		AAL94254.1 unknown							
					8		11.7264									
FN0043					4		4.5762		AAL94256.1 Hypothetical exported 24-amino acid repeat protein							
FN0045						7		7.0000	AAL94258.1 Shikimate 5-dehydrogenase							
FN0046					8		11.7264		AAL94259.1 3-dehydroquininate dehydratase							
FN0047	0.298	12.263	7.296e-5	5.701e-5	68	48	77.7952	62.4776	AAL94260.1 Exodeoxyribonuclease III							
					53	64	77.6873	64.0000								
FN0048	-0.470	8.802	1.982e-5	9.147e-6	16	19	18.3048	24.7307	AAL94261.1 4-nitrophenylphosphatase							
					12	25	17.5896	25.0000								
FN0049						40		52.0647	AAL94262.1 Hypothetical protein							
						67		67.0000								
FN0050	2.598	18.078	2.221e-3	5.272e-3	906	151	1036.5069	196.5441	AAL94263.1 Fumarate reductase flavoprotein subunit							
					1059	231	1552.2807	231.0000								
FN0052					21		24.0250		AAL94265.1 Arsenate reductase							
					21		30.7818									
FN0054	0.484	15.149	1.567e-4	1.577e-4	193	124	220.8011	161.4005	AAL94267.1 Tyrosyl-tRNA synthetase							
					157	161	230.1304	161.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0058	-1.200	14.906	2.644e-2	1.08e-1	106	116	121.2690	150.9875	AAL94271.1 Cysteine desulfhydrase							
					75	380	109.9349	380.0000								
FN0059	-0.055	11.061	1.66e-1	8.61e-1	37	24	42.3298	31.2388	AAL94272.1 NifU protein							
					33	63	48.3714	63.0000								
FN0060	1.643	7.258			19		21.7369		AAL94273.1 D-alanyl-D-alanine carboxypeptidase							
					15	7	21.9870	7.0000								
FN0061	0.012	12.899	1.725e-1	9.02e-1	74	60	84.6595	78.0970	AAL94274.1 Thermostable carboxypeptidase 1							
					62	96	90.8795	96.0000								
FN0062					13		14.8726		AAL94275.1 Hypothetical cytosolic protein							
					11		16.1238									
FN0063									AAL94276.1 unknown							
						24		24.0000								
FN0065	0.141	13.499	7.609e-2	3.562e-1	95	66	108.6845	85.9067	AAL94278.1 Transcription accessory protein (S1 RNA binding domain)							
					80	119	117.2639	119.0000								
FN0066									AAL94279.1 Two component system histidine kinase							
						5		5.0000								
FN0067	0.746	16.538	2.253e-5	1.099e-5	341	180	390.1202	234.2910	AAL94280.1 Isoleucyl-tRNA synthetase							
					279	242	408.9578	242.0000								
FN0069	-0.066	15.009	1.227e-1	6.048e-1	163	161	186.4797	209.5603	AAL94282.1 Glycyl-tRNA synthetase alpha chain							
					115	162	168.5668	162.0000								
FN0070	-0.528	17.629	5.561e-4	8.676e-4	326	432	372.9594	562.2984	AAL94283.1 Glycyl-tRNA synthetase beta chain							
					257	519	376.7102	519.0000								
FN0071						7		9.1113	AAL94284.1 GTP cyclohydrolase I							
FN0072	-1.103	13.105	8.499e-5	6.994e-5	53	100	60.6345	130.1617	AAL94285.1 2-amino-4-hydroxy-6-hydroxymethyldihydropteridine pyrophosphokinase							
					46	145	67.4267	145.0000								
FN0073	-0.496	9.342	5.559e-2	2.512e-1	17	15	19.4488	19.5242	AAL94286.1 Dihydropteroate synthase							
					16	41	23.4528	41.0000								
FN0074	-0.476	7.784			11	10	12.5845	13.0162	AAL94287.1 Ethanolamine utilization protein eutS							
						22		22.0000								
FN0077									AAL94290.1 Ethanolamine two-component sensor kinase							
						13		13.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0078	-1.646	7.365	7.87e-5	6.302e-5	5	18	5.7202	23.4291	AAL94291.1 Ethanolamine utilization protein eutA							
					6	22	8.7948	22.0000								
FN0079	-2.629	12.764	5.808e-5	4.252e-5	33	169	37.7536	219.9732	AAL94292.1 Ethanolamine ammonia-lyase heavy chain							
					20	195	29.3160	195.0000								
FN0080	-1.112	13.153	5.42e-4	8.365e-4	52	118	59.4905	153.5908	AAL94293.1 Ethanolamine ammonia-lyase light chain							
					48	127	70.3583	127.0000								
FN0081	-2.964	13.242	1.679e-3	3.728e-3	27	172	30.8893	223.8780	AAL94294.1 Ethanolamine utilization protein eutL							
					27	326	39.5766	326.0000								
FN0082	-0.809	9.763	2.699e-2	1.106e-1	21	20	24.0250	26.0323	AAL94295.1 Ethanolamine utilization protein eutM							
					14	52	20.5212	52.0000								
FN0083	-1.643	14.280	1.247e-3	2.574e-3	78	164	89.2357	213.4651	AAL94296.1 Ethanolamine utilization protein eutM precursor							
					48	285	70.3583	285.0000								
FN0084	-0.719	9.798	4.306e-3	1.232e-2	24	25	27.4571	32.5404	AAL94297.1 Acetaldehyde dehydrogenase (acetylating)							
					13	44	19.0554	44.0000								
FN0087									AAL94300.1 Ethanolamine utilization protein eutN							
						5		5.0000								
FN0088									AAL94301.1 Hypothetical protein							
						9		9.0000								
FN0089					4		4.5762		AAL94302.1 Ethanolamine permease							
FN0090						7		9.1113	AAL94303.1 Ethanolamine utilization protein eutQ							
						4		4.0000								
FN0092	-2.611	9.423	1.505e-6	2e-7	7	48	8.0083	62.4776	AAL94305.1 NADPH-dependent butanol dehydrogenase							
					9	67	13.1922	67.0000								
FN0093	1.871	15.159	1.909e-5	8.535e-6	305	83	348.9344	108.0342	AAL94306.1 Thioredoxin							
					261	92	382.5734	92.0000								
FN0100	1.100	8.579	1.371e-4	1.308e-4	27	9	30.8893	11.7145	AAL94309.1 Flavodoxins/hemoproteins							
					18	15	26.3844	15.0000								
FN0102					5		5.7202		AAL94311.1 Ribonucleoside-diphosphate reductase alpha chain							
					8		11.7264									
FN0103					4		4.5762		AAL94312.1 Ribonucleoside-diphosphate reductase beta chain							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0106	0.044	13.655	1.123e-1	5.472e-1	94	82	107.5405	106.7326	AAL94315.1 Hypothetical protein							
					84	117	123.1271	117.0000								
FN0108	-1.384	8.112			9	19	10.2964	24.7307	AAL94317.1 Microcin C7 self-immunity protein mccF							
						29		29.0000								
FN0110	0.054	17.418	1.069e-1	5.177e-1	342	303	391.2642	394.3898	AAL94319.1 Seryl-tRNA synthetase							
					315	427	461.7266	427.0000								
FN0113	-3.118	11.409	3.382e-6	5.898e-7	13	114	14.8726	148.3843	AAL94322.1 Heat-inducible transcription repressor hrcA							
					14	159	20.5212	159.0000								
FN0114	0.384	14.400	3.79e-2	1.627e-1	163	71	186.4797	92.4148	AAL94323.1 GrpE protein							
					102	165	149.5115	165.0000								
FN0116	-0.780	20.992	3.583e-2	1.525e-1	1009	902	1154.3438	1174.0581	AAL94325.1 Chaperone protein dnaK							
					716	2611	1049.5118	2611.0000								
FN0117						10		13.0162	AAL94326.1 O6-methylguanine-DNA methyltransferase							
						32		32.0000								
FN0118	0.135	12.562	4.615e-2	2.036e-1	72	51	82.3714	66.3824	AAL94327.1 Chaperone protein dnaJ							
					55	82	80.6189	82.0000								
FN0119						29		37.7469	AAL94328.1 Flavodoxin							
						81		81.0000								
FN0123						6		7.8097	AAL94332.1 ATPase							
						7		7.0000								
FN0127						5		6.5081	AAL94333.1 Fe-S oxidoreductase							
						7		7.0000								
FN0128	-0.652	7.616	6.216e-2	2.842e-1	8	7	9.1524	9.1113	AAL94334.1 Spermidine/putrescine-binding protein							
					9	26	13.1922	26.0000								
FN0130	-0.066	8.307	1.747e-1	9.157e-1	24	8	27.4571	10.4129	AAL94336.1 ABC transporter ATP-binding protein							
					5	26	7.3290	26.0000								
FN0132	0.908	6.078			12		13.7286		AAL93916.1 Hemolysin							
					6	6	8.7948	6.0000								
FN0147	-0.184	9.822	2.855e-2	1.178e-1	25	27	28.6012	35.1436	AAL94353.1 PLSX protein							
					19	29	27.8502	29.0000								
FN0148	0.149	16.131	1.1e-1	5.344e-1	242	248	276.8595	322.8009	AAL94354.1 3-oxoacyl-[acyl-carrier-protein] synthase III							
					196	186	287.2965	186.0000								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0149	1.089	14.935	1.855e-3	4.21e-3	190	115	217.3690	149.6859	AAL94355.1 Malonyl-CoA-[acyl-carrier-protein] transacylase							
					204	93	299.0229	93.0000								
FN0150	0.873	11.317	2.254e-4	2.589e-4	58	32	66.3547	41.6517	AAL94356.1 Acyl carrier protein							
					48	33	70.3583	33.0000								
FN0151	0.645	19.562	9.456e-3	3.276e-2	893	389	1021.6343	506.3288	AAL94357.1 3-oxoacyl-[acyl-carrier-protein] synthase							
					804	901	1178.5021	901.0000								
FN0152	-0.126	5.874							AAL94358.1 Ribonuclease III							
					5	8	7.3290	8.0000								
FN0153									AAL94359.1 Oxygen-independent coproporphyrinogen III oxidase							
						13		13.0000								
FN0154									AAL94360.1 Ribonuclease G							
					5		7.3290									
FN0155	1.151	5.795			13		14.8726		AAL94361.1 Hypothetical protein							
					5	5	7.3290	5.0000								
FN0156	0.503	8.139	7.204e-2	3.354e-1	17	4	19.4488	5.2065	AAL94362.1 Phosphopantetheine adenylyltransferase							
					14	23	20.5212	23.0000								
FN0157						6		7.8097	AAL94363.1 DNA repair protein RadA							
						7		7.0000								
FN0158	-1.353	9.813	4.684e-4	6.842e-4	20	36	22.8809	46.8582	AAL94364.1 DNA-binding protein							
					10	49	14.6580	49.0000								
FN0161									AAL94367.1 RNA-directed DNA polymerase							
						3		3.0000								
FN0164	-1.058	15.276	1.113e-2	3.991e-2	117	278	133.8535	361.8494	AAL94370.1 Anhydro-N-acetylmuramyl-tripeptide amidase							
					97	213	142.1825	213.0000								
FN0170	-0.569	14.645	1.633e-2	6.229e-2	117	179	133.8535	232.9894	AAL94376.1 GTP-binding protein							
					88	157	128.9903	157.0000								
FN0173	0.266	12.069	4.161e-2	1.811e-1	68	55	77.7952	71.5889	AAL94379.1 Hypothetical protein							
					45	48	65.9609	48.0000								
FN0174	0.943	13.772	4.162e-3	1.176e-2	165	65	188.7678	84.6051	AAL94380.1 Enoyl-[acyl-carrier-protein] reductase							
					95	86	139.2509	86.0000								
FN0175	-1.121	9.143				27		35.1436	AAL94381.1 Cell division inhibitor MinC							
					11	35	16.1238	35.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0176	-0.576	16.192	7.056e-4	1.212e-3	174	272	199.0642	354.0397	AAL94382.1 Cell division inhibitor MinD							
					170	314	249.1858	314.0000								
FN0177					11		12.5845		AAL94383.1 Cell division inhibitor MinE							
					11		16.1238									
FN0178	0.546	10.888	1.39e-3	2.937e-3	42	30	48.0500	39.0485	AAL94384.1 UNC-44 ankyrins							
					39	33	57.1661	33.0000								
FN0179	-0.260	9.545	9.701e-2	4.647e-1	27	16	30.8893	20.8259	AAL94385.1 Ankyrin repeat proteins							
					13	39	19.0554	39.0000								
FN0180	0.708	5.680			8	4	9.1524	5.2065	AAL94386.1 Tetratricopeptide repeat family protein							
						6		6.0000								
FN0181	-1.174	9.065	1.618e-3	3.554e-3	9	25	10.2964	32.5404	AAL94387.1 Hypothetical protein							
					14	37	20.5212	37.0000								
FN0182	-3.119	15.402	1.447e-5	5.349e-6	76	474	86.9476	616.9663	AAL94388.1 Sarcosine oxidase alpha subunit							
					37	610	54.2345	610.0000								
FN0183	-1.301	15.772	4.587e-5	3.095e-5	152	274	173.8952	356.6429	AAL94389.1 Glycerol-3-phosphate dehydrogenase							
					87	386	127.5245	386.0000								
FN0185	-0.787	7.895	3.582e-4	4.845e-4	9	15	10.2964	19.5242	AAL94391.1 Hypothetical protein							
					9	21	13.1922	21.0000								
FN0189	-0.773	6.802	4.787e-3	1.42e-2	9	12	10.2964	15.6194	AAL94395.1 Two-component response regulator yesN							
					4	12	5.8632	12.0000								
FN0190						5		6.5081	AAL94396.1 Two-component sensor kinase yesM							
						7		7.0000								
FN0191	-1.562	8.917	2.196e-3	5.195e-3	7	35	8.0083	45.5566	AAL94397.1 helix-turn-helix DNA-binding protein							
					12	30	17.5896	30.0000								
FN0192	0.972	9.819	7.334e-4	1.277e-3	39	13	44.6178	16.9210	AAL94398.1 Dipeptide-binding protein							
					27	26	39.5766	26.0000								
FN0197						5		5.0000	AAL94403.1 Methyltransferase							
FN0198					5		5.7202		AAL94404.1 Transcriptional regulatory protein							
					6		8.7948									
FN0199	-0.742	11.518	3.161e-3	8.198e-3	45	50	51.4821	65.0808	AAL94405.1 Hypothetical protein							
					22	75	32.2476	75.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0200	0.553	18.395	8.884e-6	2.354e-6	609	385	696.7248	501.1224	AAL94406.1 Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					495	468	725.5703	468.0000								
FN0202	1.013	19.668	4.71e-3	1.39e-2	1335	454	1527.3032	590.9339	AAL94408.1 Glutaconate CoA-transferase subunit A							
					727	694	1065.6356	694.0000								
FN0203	0.012	20.093	1.755e-1	9.207e-1	833	730	952.9915	950.1801	AAL94409.1 Glutaconate CoA-transferase subunit B							
					799	1156	1171.1731	1156.0000								
FN0204	0.101	21.482	7.827e-2	3.674e-1	1462	1129	1672.5972	1469.5251	AAL94410.1 Glutaconyl-CoA decarboxylase A subunit							
					1277	1835	1871.8248	1835.0000								
FN0206	0.170	11.038	5.194e-2	2.327e-1	44	38	50.3381	49.4614	AAL94412.1 Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					32	37	46.9056	37.0000								
FN0207	0.227	18.648	1.91e-4	2.051e-4	620	444	709.3094	577.9178	AAL94413.1 (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit							
					462	607	677.1990	607.0000								
FN0208	0.499	17.509	8.199e-4	1.491e-3	435	254	497.6606	330.6106	AAL94414.1 (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit							
					361	396	529.1533	396.0000								
FN0209	0.149	17.497	9.177e-2	4.371e-1	383	248	438.1701	322.8009	AAL94415.1 Hypothetical cytosolic protein							
					319	494	467.5898	494.0000								
FN0212	-0.101	8.257	1.233e-1	6.084e-1	18	14	20.5929	18.2226	AAL94418.1 Hypothetical protein							
					9	18	13.1922	18.0000								
FN0218	-0.185	12.164	4.958e-2	2.207e-1	56	48	64.0667	62.4776	AAL94424.1 Anthranilate synthase component II							
					43	82	63.0293	82.0000								
FN0219	-0.448	7.166							AAL94425.1 Autolysin response regulator							
					7	14	10.2606	14.0000								
FN0221	1.264	11.528	4.095e-3	1.15e-2	87	27	99.5321	35.1436	AAL94427.1 Carbon starvation protein A							
					47	35	68.8925	35.0000								
FN0224	0.774	8.040	1.765e-2	6.82e-2	23	6	26.3131	7.8097	AAL94430.1 Excinuclease ABC subunit B							
					11	17	16.1238	17.0000								
FN0225									AAL94431.1 Gluconate permease							
						3		3.0000								
FN0226	0.592	11.120	1.971e-3	4.537e-3	50	26	57.2024	33.8420	AAL94432.1 Pyridoxal phosphate biosynthetic protein pdxA							
					40	43	58.6319	43.0000								
FN0227									AAL94433.1 Hypothetical protein							
						5		5.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0233	0.291	11.663	6.601e-3	2.126e-2	55	43	62.9226	55.9695	AAL94439.1 Hypothetical protein							
					43	47	63.0293	47.0000								
FN0234						11		14.3178	AAL94440.1 unknown							
						14		14.0000								
FN0236	0.862	14.248	6.066e-4	9.851e-4	152	76	173.8952	98.9229	AAL94442.1 ABC transporter substrate-binding protein							
					138	108	202.2802	108.0000								
FN0238	0.486	9.723	2.967e-2	1.23e-1	23	17	26.3131	22.1275	AAL94444.1 Hypothetical protein							
					29	27	42.5082	27.0000								
FN0240	0.642	12.446	3.401e-3	8.998e-3	76	55	86.9476	71.5889	AAL94446.1 Thymidylate synthase							
					68	48	99.6743	48.0000								
FN0241	-1.693	8.416	6.776e-4	1.148e-3	9	28	10.2964	36.4453	AAL94447.1 Dihydrofolate reductase							
					7	30	10.2606	30.0000								
FN0242	-2.684	11.394	8.481e-4	1.565e-3	14	116	16.0167	150.9875	AAL94448.1 Trk system potassium uptake protein trkA							
					17	112	24.9186	112.0000								
FN0243	-2.517	7.621				17		22.1275	AAL94449.1 Poly(A) polymerase							
					4	45	5.8632	45.0000								
FN0244						6		7.8097	AAL94450.1 COP associated protein							
FN0245	-0.905	6.464			6	9	6.8643	11.7145	AAL94451.1 Copper-exporting ATPase							
						14		14.0000								
FN0247	0.163	15.347	9.41e-2	4.493e-1	229	149	261.9868	193.9409	AAL94453.1 Hypothetical cytosolic protein							
					116	192	170.0326	192.0000								
FN0248	-2.300	9.029			9	28	10.2964	36.4453	AAL94454.1 Hypothetical Exported Protein							
						65		65.0000								
FN0249	1.004	13.451	5.799e-3	1.815e-2	121	81	138.4297	105.4309	AAL94455.1 unknown							
					110	44	161.2378	44.0000								
FN0250	1.058	13.619	4.575e-3	1.338e-2	142	81	162.4547	105.4309	AAL94456.1 unknown							
					110	50	161.2378	50.0000								
FN0251	2.392	13.594	2.816e-3	7.096e-3	175	40	200.2083	52.0647	AAL94457.1 Hypothetical membrane-spanning Protein							
					211	45	309.2835	45.0000								
FN0252	-0.913	17.211	3.001e-5	1.622e-5	231	430	264.2749	559.6951	AAL94458.1 unknown							
					207	509	303.4203	509.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0253	-0.305	16.664	8.723e-2	4.134e-1	234	180	267.7071	234.2910	AAL94459.1 Outer membrane protein							
					213	482	312.2151	482.0000								
FN0254	-0.085	18.108	1.214e-1	5.977e-1	373	444	426.7297	577.9178	AAL94460.1 Fusobacterium outer membrane protein family							
					413	517	605.3748	517.0000								
FN0258	-0.256	5.359							AAL94464.1 Zinc-transporting ATPase							
					4	7	5.8632	7.0000								
FN0259					11		12.5845		AAL94465.1 Zinc-transporting ATPase							
					12		17.5896									
FN0261	0.284	7.370	4.485e-2	1.971e-1	12	11	13.7286	14.3178	AAL94467.1 Pyruvate formate-lyase activating enzyme							
					10	9	14.6580	9.0000								
FN0262	2.137	22.492	8.649e-11	5.458e-13	4443	878	5083.0024	1142.8193	AAL94468.1 Formate acetyltransferase							
					3482	1173	5103.9107	1173.0000								
FN0263	0.584	14.433	4.604e-3	1.349e-2	180	106	205.9285	137.9714	AAL94469.1 Peptidyl-prolyl cis-trans isomerase							
					108	105	158.3062	105.0000								
FN0264	0.696	16.067	1.196e-2	4.339e-2	273	211	312.3249	274.6411	AAL94470.1 Hypothetical protein							
					242	137	354.7233	137.0000								
FN0265	-0.318	5.876			6	7	6.8643	9.1113	AAL94471.1 Cell division protein ftsX							
						8		8.0000								
FN0266									AAL94472.1 membrane protein related to metalloendopeptidase							
					3		4.3974									
FN0267									AAL94473.1 ATP-NAD kinase							
						8		8.0000								
FN0268	-2.256	6.529							AAL94474.1 DNA repair protein recN							
					3	21	4.3974	21.0000								
FN0270	0.033	4.735	1.521e-1	7.763e-1	4	4	4.5762	5.2065	AAL94476.1 GTP-binding protein era							
					4	5	5.8632	5.0000								
FN0271	-1.016	5.404			4	5	4.5762	6.5081	AAL94477.1 Enoyl-CoA hydratase							
						12		12.0000								
FN0272						10		13.0162	AAL94478.1 Acetoacetate: butyrate/acetate coenzyme A transferase							
						8		8.0000								
FN0273						4		5.2065	AAL94479.1 Butyrate-acetoacetate CoA-transferase subunit B							
						11		11.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0276	-3.677	8.066			4	50	4.5762	65.0808	AAL94482.1 Sodium-dependent phosphate transporter							
						52		52.0000								
FN0277	-0.085	6.808	1.476e-1	7.491e-1	9	6	10.2964	7.8097	AAL94483.1 Hypothetical protein							
					7	14	10.2606	14.0000								
FN0278	0.837	16.201	3.591e-3	9.653e-3	362	158	414.1451	205.6554	AAL94484.1 Xaa-His dipeptidase							
					218	205	319.5441	205.0000								
FN0279	-2.119	13.369	1.953e-4	2.115e-4	44	175	50.3381	227.7829	AAL94485.1 Lipoprotein							
					33	201	48.3714	201.0000								
FN0280	-0.017	12.941	1.276e-1	6.33e-1	76	71	86.9476	92.4148	AAL94486.1 Hypothetical protein							
					61	86	89.4137	86.0000								
FN0281	-2.769	11.502	1.689e-3	3.756e-3	13	87	14.8726	113.2406	AAL94487.1 DNA polymerase III alpha subunit							
					18	168	26.3844	168.0000								
FN0282	-0.302	11.142	3.537e-2	1.503e-1	30	45	34.3214	58.5727	AAL94488.1 Hypothetical protein							
					35	47	51.3030	47.0000								
FN0283	-0.296	6.044							AAL94489.1 tRNA (Guanine-N1) - methyltransferase							
					5	9	7.3290	9.0000								
FN0284	-1.330	10.005	2.036e-3	4.722e-3	11	32	12.5845	41.6517	AAL94490.1 16S rRNA processing protein rimM							
					19	60	27.8502	60.0000								
FN0285					22		25.1690		AAL94491.1 RNA binding protein							
					10		14.6580									
FN0287	-0.215	6.357	1.081e-1	5.241e-1	7	5	8.0083	6.5081	AAL94493.1 Dimethyladenosine transferase							
					6	13	8.7948	13.0000								
FN0288	-0.336	11.262	2.47e-2	1.002e-1	31	41	35.4655	53.3663	AAL94494.1 Hypoxanthine-guanine phosphoribosyltransferase							
					36	58	52.7687	58.0000								
FN0290									AAL94496.1 Hemolysin							
					3		4.3974									
FN0291	0.017	4.661			5		5.7202		AAL94497.1 Hemolysin							
					3	5	4.3974	5.0000								
FN0294	1.498	13.983	4.768e-4	7.007e-4	188	71	215.0809	92.4148	AAL94500.1 Transketolase subunit A							
					145	59	212.5408	59.0000								
FN0295	0.418	13.712	3.996e-3	1.113e-2	106	71	121.2690	92.4148	AAL94501.1 Transketolase							
					100	108	146.5799	108.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0296	0.483	12.045	5.828e-3	1.827e-2	60	43	68.6428	55.9695	AAL94502.1 Hypothetical cytosolic protein							
					58	54	85.0163	54.0000								
FN0297	-1.646	7.919				20		26.0323	AAL94503.1 ATPase associated with chromosome architecture/replication							
					6	29	8.7948	29.0000								
FN0298	-0.502	15.867	7.901e-8	2.493e-9	181	225	207.0726	292.8637	AAL94504.1 Histidyl-tRNA synthetase							
					139	289	203.7460	289.0000								
FN0299	0.175	16.311	3.052e-3	7.844e-3	262	198	299.7404	257.7201	AAL94505.1 Aspartyl-tRNA synthetase							
					209	279	306.3519	279.0000								
FN0305					3		3.4321		AAL94511.1 Iron(III) dicitrate-binding protein							
					3		4.3974									
FN0307									AAL94513.1 Iron(III) dicitrate transport ATP-binding protein fecE							
					3		4.3974									
FN0308	-0.590	17.429	3.99e-3	1.11e-2	354	417	404.9928	542.7741	AAL94514.1 Iron(III)-binding protein							
					191	488	279.9675	488.0000								
FN0309					5		5.7202		AAL94515.1 Iron(III)-transport system permease protein sfuB							
					8		11.7264									
FN0310	1.147	12.443	4.279e-3	1.222e-2	116	44	132.7095	57.2711	AAL94516.1 Iron(III)-transport ATP-binding protein sfuC							
					61	43	89.4137	43.0000								
FN0311	-0.504	14.183	8.717e-4	1.621e-3	90	132	102.9643	171.8134	AAL94517.1 Anaerobic ribonucleoside-triphosphate reductase							
					86	153	126.0587	153.0000								
FN0313	-2.199	7.231			5	25	5.7202	32.5404	AAL94519.1 16S rRNA m(5)C 967 methyltransferase							
						20		20.0000								
FN0314								11.7145	AAL94520.1 Caffeoyl-CoA O-methyltransferase							
								9.0000								
FN0315								6.5081	AAL94521.1 Transcriptional regulator, AraC family							
								10.0000								
FN0316	1.665	8.325	5.114e-4	7.712e-4	25	7	28.6012	9.1113	AAL94522.1 Hypothetical protein							
					24	11	35.1792	11.0000								
FN0317	-2.254	8.308	2.366e-4	2.776e-4	4	29	4.5762	37.7469	AAL94523.1 Tryptophan synthase beta chain							
					8	40	11.7264	40.0000								
FN0319	-0.705	5.808				7		9.1113	AAL94525.1 Citrate (pro-3S)-lyase ligase							
					4	10	5.8632	10.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0320	1.792	8.879	1.383e-4	1.325e-4	36	11	41.1857	14.3178	AAL94526.1 Hypothetical cytosolic protein							
					27	9	39.5766	9.0000								
FN0321	-0.814	14.776	6.964e-3	2.27e-2	103	140	117.8369	182.2263	AAL94527.1 Heat shock protein htpG							
					92	262	134.8535	262.0000								
FN0322	-0.225	21.849	3.356e-2	1.415e-1	1688	1816	1931.1519	2363.7357	AAL94528.1 Fructose-bisphosphate aldolase							
					1136	1839	1665.1472	1839.0000								
FN0325	5.373	9.373			122		139.5738		AAL94529.1 LSU ribosomal protein L20P							
					131	4	192.0196	4.0000								
FN0326					16		18.3048		AAL94530.1 LSU ribosomal protein L35P							
					18		26.3844									
FN0327	-0.108	9.634	1.507e-1	7.677e-1	18	15	20.5929	19.5242	AAL94531.1 Bacterial Protein Translation Initiation Factor 3 (IF-3)							
					23	39	33.7134	39.0000								
FN0329	0.299	17.198	7.56e-3	2.512e-2	347	243	396.9844	316.2928	AAL94533.1 LSU ribosomal protein L13P							
					316	383	463.1924	383.0000								
FN0330	2.682	12.617	1.481e-5	5.583e-6	187	35	213.9369	45.5566	AAL94534.1 SSU ribosomal protein S9P							
					128	17	187.6222	17.0000								
FN0331	-0.016	12.055	1.707e-1	8.905e-1	57	57	65.2107	74.1921	AAL94535.1 Hypothetical protein							
					44	57	64.4951	57.0000								
FN0332	-0.638	6.641			7	13	8.0083	16.9210	AAL94536.1 Magnesium and cobalt transport protein corA							
						8		8.0000								
FN0333							5	6.5081	AAL94537.1 Glycerol uptake operon antiterminator regulatory protein							
							9	9.0000								
FN0334	-0.704	15.108	2.038e-3	4.73e-3	128	168	146.4381	218.6716	AAL94538.1 Aspartate/aromatic aminotransferase							
					101	261	148.0457	261.0000								
FN0335	-1.328	20.789	8.524e-4	1.576e-3	764	1798	874.0522	2340.3066	AAL94539.1 Outer membrane porin F							
					563	1925	825.2446	1925.0000								
FN0336	0.666	11.366	9.5e-3	3.294e-2	67	35	76.6512	45.5566	AAL94540.1 Hypothetical protein							
					36	36	52.7687	36.0000								
FN0341	3.408	9.875	2.655e-6	4.131e-7	90	6	102.9643	7.8097	AAL94545.1 transport protein							
					66	11	96.7427	11.0000								
FN0342	0.999	10.458	9.333e-3	3.225e-2	44	30	50.3381	39.0485	AAL94546.1 Peptidyl-prolyl cis-trans isomerase							
					38	14	55.7003	14.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0344						3		3.0000	AAL94548.1 Methyltransferase							
FN0347	-1.266	10.946	1.861e-4	1.979e-4	27	49	30.8893	63.7792	AAL94551.1 Phosphatidylserine decarboxylase							
FN0348	-0.208	15.783	6.699e-2	3.091e-1	203	233	232.2416	303.2767	AAL94552.1 Nicotinate phosphoribosyltransferase							
FN0349	-1.725	8.757			10	22	11.4405	28.6356	AAL94553.1 D-Tyr-tRNATyr deacylase							
FN0351	2.212	12.080	7.791e-6	1.885e-6	122	27	139.5738	35.1436	AAL94555.1 unknown							
FN0352	-0.501	10.333	1.264e-2	4.63e-2	31	38	35.4655	49.4614	AAL94556.1 NA+/H+ antiporter NHAC							
FN0355	-0.566	14.877	1.074e-2	3.819e-2	116	189	132.7095	246.0055	AAL94558.1 S-adenosylmethionine synthetase							
FN0356	0.482	6.858			12	7	13.7286	9.1113	AAL94559.1 Lactoylglutathione lyase							
FN0357	0.311	7.519	4.074e-2	1.768e-1	11	11	12.5845	14.3178	AAL94560.1 ATP synthase epsilon chain, sodium ion specific							
FN0358	-0.644	17.129	8.106e-3	2.734e-2	268	420	306.6047	546.6790	AAL94561.1 ATP synthase beta chain, sodium ion specific							
FN0359	-0.314	11.927	4.047e-3	1.132e-2	53	57	60.6345	74.1921	AAL94562.1 ATP synthase gamma chain, sodium ion specific							
FN0360	-0.446	14.314	3.751e-3	1.022e-2	101	140	115.5488	182.2263	AAL94563.1 ATP synthase alpha chain, sodium ion specific							
FN0361	0.209	9.714	1.088e-1	5.281e-1	25	13	28.6012	16.9210	AAL94564.1 ATP synthase delta chain, sodium ion specific							
FN0362	-0.471	10.599	2.038e-2	8.06e-2	29	29	33.1774	37.7469	AAL94565.1 ATP synthase B chain, sodium ion specific							
FN0364					9		10.2964		AAL94567.1 ATP synthase A chain, sodium ion specific							
FN0366	0.516	16.073	2.89e-3	7.328e-3	253	193	289.4440	251.2120	AAL94569.1 Phosphoglucosamine mutase							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0368	0.609	12.646	2.347e-3	5.658e-3	78	42	89.2357	54.6679	AAL94571.1 Adenylosuccinate lyase							
					74	75	108.4691	75.0000								
FN0370	-0.233	9.143	1.014e-1	4.882e-1	14	25	16.0167	32.5404	AAL94573.1 Signal peptidase I							
					19	19	27.8502	19.0000								
FN0371	3.068	10.169			100	9	114.4047	11.7145	AAL94574.1 Hypothetical protein							
					56		82.0847									
FN0374									AAL94577.1 Single-stranded-DNA-specific exonuclease recJ							
						20		20.0000								
FN0375	-0.572	18.893	5.766e-3	1.801e-2	466	740	533.1261	963.1963	AAL94578.1 Iron(III)-binding protein							
					417	738	611.2380	738.0000								
FN0376	-1.858	12.828	2.183e-4	2.474e-4	36	115	41.1857	149.6859	AAL94579.1 Iron(III)-transport ATP-binding protein sfuC							
					33	175	48.3714	175.0000								
FN0377	2.456	7.100			39		44.6178		AAL94580.1 Iron(III)-transport system permease protein sfuB							
					7	5	10.2606	5.0000								
FN0378	0.625	6.421	6.098e-2	2.782e-1	6	3	6.8643	3.9048	AAL94581.1 UDP-glucose 4-epimerase							
					11	11	16.1238	11.0000								
FN0379	1.048	6.218			14		16.0167		AAL94582.1 Hypothetical protein							
					6	6	8.7948	6.0000								
FN0380									AAL94583.1 unknown							
					6		8.7948									
FN0381					20		22.8809		AAL94584.1 unknown							
					18		26.3844									
FN0384	1.608	6.013	2.007e-5	9.367e-6	13	4	14.8726	5.2065	AAL94587.1 Hypothetical protein							
					9	4	13.1922	4.0000								
FN0387	0.776	10.312	4.616e-2	2.036e-1	38	5	43.4738	6.5081	AAL94590.1 Fusobacterium outer membrane protein family							
					34	48	49.8372	48.0000								
FN0390	0.453	12.917	1.121e-2	4.025e-2	103	64	117.8369	83.3035	AAL94593.1 Hypothetical protein							
					60	67	87.9479	67.0000								
FN0391	-0.885	8.926	3.102e-4	4.034e-4	13	23	14.8726	29.9372	AAL94594.1 Hydrolase (HAD superfamily)							
					12	30	17.5896	30.0000								
FN0392	0.677	5.464	5.732e-3	1.788e-2	7	5	8.0083	6.5081	AAL94595.1 Oxygen-independent coproporphyrinogen III oxidase							
					6	4	8.7948	4.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0393	-2.414	7.482	3.101e-3	8.002e-3	5	29	5.7202	37.7469	AAL94596.1 Polysaccharide deacetylase							
					4	24	5.8632	24.0000								
FN0394	-0.409	5.967			6	7	6.8643	9.1113	AAL94597.1 Outer membrane protein							
FN0396	-0.252	24.814	5.178e-2	2.319e-1	4210	5397	4816.4394	7024.8246	AAL94599.1 Dipeptide-binding protein							
					3505	4827	5137.6241	4827.0000								
FN0397	0.307	11.418	7.009e-3	2.287e-2	53	40	60.6345	52.0647	AAL94600.1 Dipeptide transport permease protein dppB							
					38	42	55.7003	42.0000								
FN0398	-0.005	11.622	1.823e-1	9.645e-1	48	38	54.9143	49.4614	AAL94601.1 Dipeptide transport permease protein dppC							
					39	63	57.1661	63.0000								
FN0399	-0.132	15.402	1.068e-1	5.174e-1	149	138	170.4631	179.6231	AAL94602.1 Dipeptide transport ATP-binding protein dppD							
					155	256	227.1988	256.0000								
FN0400	-0.687	17.013	2.663e-4	3.311e-4	227	331	259.6988	430.8351	AAL94603.1 Dipeptide transport ATP-binding protein dppF							
					214	492	313.6809	492.0000								
FN0405	1.035	13.828	3.145e-3	8.145e-3	175	58	200.2083	75.4938	AAL94608.1 Tryptophanyl-tRNA synthetase							
					99	93	145.1141	93.0000								
FN0406	1.121	10.829	8.129e-4	1.473e-3	60	16	68.6428	20.8259	AAL94609.1 Alanine racemase, biosynthetic							
					39	37	57.1661	37.0000								
FN0407	1.902	11.604	3.189e-4	4.188e-4	104	19	118.9809	24.7307	AAL94610.1 Hypothetical protein							
					66	33	96.7427	33.0000								
FN0408	-0.243	12.819	1.574e-2	5.965e-2	61	76	69.7869	98.9229	AAL94611.1 Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta							
					59	86	86.4821	86.0000								
FN0409	1.034	17.399	9.59e-4	1.833e-3	475	219	543.4225	285.0540	AAL94612.1 Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha							
					441	296	646.4172	296.0000								
FN0410	0.134	13.738	2.035e-2	8.044e-2	109	80	124.7012	104.1293	AAL94613.1 6-phosphofructokinase							
					82	119	120.1955	119.0000								
FN0411						13		16.9210	AAL94614.1 putative alpha helix protein							
FN0413					4		4.5762		AAL94616.1 unknown							
FN0414	0.779	4.779			6		6.8643		AAL94617.1 ATP-dependent helicase HEPA							
						4	4.0000									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0416					9		10.2964		AAL94619.1 Type III restriction-modification system methylation subunit							
					9		13.1922									
FN0417	0.376	7.020			15		17.1607		AAL94620.1 Type III restriction-modification system restriction subunit							
					6	10	8.7948	10.0000								
FN0418	-4.377	8.766			4	77	4.5762	100.2245	AAL94621.1 Uracil phosphoribosyltransferase							
						90		90.0000								
FN0419	-0.156	6.153	1.149e-1	5.614e-1	5	6	5.7202	7.8097	AAL94622.1 Aspartate carbamoyltransferase							
					7	10	10.2606	10.0000								
FN0420	-3.496	7.055			3	38	3.4321	49.4614	AAL94623.1 Dihydroorotase							
						28		28.0000								
FN0421	-1.876	8.072	3.952e-5	2.469e-5	6	26	6.8643	33.8420	AAL94624.1 Carbamoyl-phosphate synthase small chain							
					7	29	10.2606	29.0000								
FN0422	-1.258	13.894	5.972e-4	9.625e-4	69	158	78.9393	205.6554	AAL94625.1 Carbamoyl-phosphate synthase large chain							
					55	176	80.6189	176.0000								
FN0423	-2.168	7.580	3.677e-7	3.48e-8	5	22	5.7202	28.6356	AAL94626.1 Dihydroorotate dehydrogenase electron transfer subunit							
					5	30	7.3290	30.0000								
FN0424	-2.638	6.196			3	19	3.4321	24.7307	AAL94627.1 Dihydroorotate dehydrogenase							
						18		18.0000								
FN0426	-1.179	10.328	4.122e-4	5.785e-4	25	46	28.6012	59.8744	AAL94629.1 Orotidine 5'-phosphate decarboxylase							
					13	48	19.0554	48.0000								
FN0427	-0.251	11.324	1.969e-2	7.742e-2	44	38	50.3381	49.4614	AAL94630.1 Orotate phosphoribosyltransferase							
					29	61	42.5082	61.0000								
FN0430	0.099	15.184	7.447e-2	3.479e-1	171	159	195.6321	206.9570	AAL94633.1 LSU ribosomal protein L19P							
					139	166	203.7460	166.0000								
FN0435	-0.710	11.011	3.245e-2	1.362e-1	48	47	54.9143	61.1760	AAL94634.1 Purine nucleoside phosphorylase							
					11	55	16.1238	55.0000								
FN0436	-1.804	10.829	8.356e-3	2.832e-2	13	41	14.8726	53.3663	AAL94635.1 regulator of kinase autophosphorylation inhibitor							
					21	106	30.7818	106.0000								
FN0437	-1.404	7.249	2.962e-3	7.557e-3	3	17	3.4321	22.1275	AAL94636.1 kinase autophosphorylation inhibitor KipI							
					8	18	11.7264	18.0000								
FN0439	0.029	11.834	1.751e-1	9.185e-1	58	32	66.3547	41.6517	AAL94638.1 Lactam utilization protein LAMB							
					38	78	55.7003	78.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0445	0.085	5.255			6		6.8643		AAL94641.1 Hypothetical protein							
					4	6	5.8632	6.0000								
FN0446	-0.594	7.934	1.861e-2	7.25e-2	12	18	13.7286	23.4291	AAL94642.1 Hypothetical protein							
					8	15	11.7264	15.0000								
FN0447	-1.907	6.295			4	11	4.5762	14.3178	AAL94643.1 NIFS protein							
						20		20.0000								
FN0448									AAL94644.1 DNA-repair protein							
					3		4.3974									
FN0450	-0.497	9.431	3.205e-2	1.343e-1	22	18	25.1690	23.4291	AAL94646.1 ABC transporter ATP-binding protein							
					13	39	19.0554	39.0000								
FN0451	-0.545	5.649				7		9.1113	AAL94647.1 Hypothetical protein							
					4	8	5.8632	8.0000								
FN0452	1.852	17.267	8.434e-5	6.921e-5	663	136	758.5034	177.0199	AAL94648.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					512	241	750.4889	241.0000								
FN0453	-0.516	15.975	4.527e-4	6.539e-4	198	219	226.5214	285.0540	AAL94649.1 Xaa-Pro aminopeptidase							
					135	322	197.8828	322.0000								
FN0454	-1.924	14.121	1.148e-3	2.325e-3	57	173	65.2107	225.1797	AAL94650.1 Aldehyde dehydrogenase B							
					49	295	71.8241	295.0000								
FN0455	-0.538	18.144	3.535e-3	9.458e-3	331	547	378.6797	711.9843	AAL94651.1 Rubrerythrin							
					351	585	514.4953	585.0000								
FN0456	1.418	9.004	1.978e-5	9.115e-6	34	9	38.8976	11.7145	AAL94652.1 Hypothetical cytosolic protein							
					24	16	35.1792	16.0000								
FN0458	-0.163	5.910				8		10.4129	AAL94654.1 Hypothetical Exported Protein							
					5	6	7.3290	6.0000								
FN0460	0.770	8.427	5.348e-3	1.637e-2	18	8	20.5929	10.4129	AAL94656.1 Delta-aminolevulinic acid dehydratase							
					19	18	27.8502	18.0000								
FN0461	0.038	15.636	1.155e-1	5.651e-1	187	177	213.9369	230.3861	AAL94657.1 Probable sigma(54) modulation protein							
					166	215	243.3226	215.0000								
FN0462	-2.470	10.980	2.488e-3	6.106e-3	18	98	20.5929	127.5584	AAL94658.1 DNA mismatch repair protein mutL							
					12	84	17.5896	84.0000								
FN0465	-0.644	14.340	1.392e-2	5.177e-2	104	166	118.9809	216.0683	AAL94661.1 Hypothetical protein							
					76	144	111.4007	144.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0466	-0.408	17.650	9.611e-3	3.34e-2	295	446	337.4940	580.5210	AAL94662.1 Lysyl-tRNA synthetase							
					307	464	450.0002	464.0000								
FN0469									AAL94665.1 Copper homeostasis protein cutC							
						4		4.0000								
FN0470	0.147	17.827	4.969e-2	2.213e-1	427	310	488.5082	403.5011	AAL94666.1 Putative efflux pump component MtrF							
					359	513	526.2217	513.0000								
FN0472	0.717	25.743	1.814e-7	9.116e-9	8444	4554	9660.3359	5927.5618	AAL94668.1 Flavodoxin							
					6518	5764	9554.0753	5764.0000								
FN0474									AAL94670.1 Acriflavin resistance protein B							
						4		5.2065								
FN0475	-0.961	9.059	1.569e-3	3.417e-3	11	28	12.5845	36.4453	AAL94671.1 MIAB protein							
					14	28	20.5212	28.0000								
FN0476	0.040	12.776	1.414e-1	7.123e-1	69	57	78.9393	74.1921	AAL94672.1 Transcription termination factor rho							
					62	91	90.8795	91.0000								
FN0477	-1.470	8.715	3.416e-4	4.569e-4	10	24	11.4405	31.2388	AAL94673.1 Cell wall endopeptidase family M23/M37							
					9	37	13.1922	37.0000								
FN0478	-1.541	8.528	4.136e-4	5.812e-4	12	25	13.7286	32.5404	AAL94674.1 GcpE protein							
					6	33	8.7948	33.0000								
FN0479									AAL94675.1 RNA polymerase sigma-E factor							
						9		11.7145								
FN0480									AAL94676.1 unknown							
							4	4.0000								
FN0481									AAL94677.1 unknown							
							3	3.9048								
FN0482									AAL94678.1 LSU ribosomal protein L31P							
						59		67.4988								
FN0483	0.988	12.842	4.783e-5	3.29e-5	111	52	126.9893	67.6841	AAL94679.1 Uracil phosphoribosyltransferase							
					78	54	114.3323	54.0000								
FN0484	-0.994	5.382			4	7	4.5762	9.1113	AAL94680.1 Lipase							
FN0487	0.010	20.575	1.767e-1	9.282e-1	1065	1078	1218.4104	1403.1427	AAL94683.1 2-hydroxyglutarate dehydrogenase							
					880	1087	1289.9028	1087.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0488	-0.236	24.136	2.745e-2	1.127e-1	3228	4005	3692.9849	5212.9743	AAL94684.1 NAD-specific glutamate dehydrogenase							
					2879	4107	4220.0342	4107.0000								
FN0489	2.057	8.397			36		41.1857		AAL94685.1 Prolipoprotein diacylglycerol transferase							
					23	9	33.7134	9.0000								
FN0491	-2.248	13.004	2.198e-3	5.202e-3	33	123	37.7536	160.0988	AAL94687.1 Alanine racemase							
					31	235	45.4398	235.0000								
FN0493	-1.495	6.173	1.472e-2	5.518e-2	5	15	5.7202	19.5242	AAL94689.1 Hypothetical protein							
					3	9	4.3974	9.0000								
FN0494	1.982	15.979	3.216e-5	1.793e-5	409	69	467.9154	89.8115	AAL94690.1 Short chain dehydrogenase							
					370	166	542.3455	166.0000								
FN0495	-0.360	26.067	8.608e-6	2.227e-6	6337	7402	7249.8281	9634.5658	AAL94691.1 Acetyl-CoA acetyltransferase							
					5153	9364	7553.2602	9364.0000								
FN0497									AAL94693.1 Plasmid addiction system poison protein							
					5		7.3290									
FN0501	-1.656	16.791	3.928e-4	5.439e-4	156	420	178.4714	546.6790	AAL94697.1 Ornithine decarboxylase							
					137	649	200.8144	649.0000								
FN0502	0.155	9.203			23		26.3131		AAL94698.1 Phosphoheptose isomerase							
					17	23	24.9186	23.0000								
FN0503	0.087	11.453	4.988e-4	7.451e-4	48	39	54.9143	50.7630	AAL94699.1 Transcriptional regulatory protein, LYSR family							
					37	52	54.2345	52.0000								
FN0504									AAL94700.1 Arginine permease							
					3		4.3974									
FN0505	-0.205	9.723	8.974e-2	4.265e-1	23	18	26.3131	23.4291	AAL94701.1 Anthranilate synthase component II							
					19	39	27.8502	39.0000								
FN0506	1.493	14.740	1.575e-3	3.434e-3	279	67	319.1892	87.2083	AAL94702.1 Arginyl-tRNA synthetase							
					161	110	235.9936	110.0000								
FN0511	-1.458	10.684	1.359e-3	2.857e-3	21	58	24.0250	75.4938	AAL94707.1 D-lactate dehydrogenase							
					17	59	24.9186	59.0000								
FN0512	-0.051	15.650	4.334e-2	1.896e-1	196	171	224.2333	222.5764	AAL94708.1 Flavoprotein							
					151	239	221.3356	239.0000								
FN0513	1.549	9.899	2.193e-4	2.491e-4	45	17	51.4821	22.1275	AAL94709.1 Flavodoxin							
					37	14	54.2345	14.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0515						4		5.2065	AAL94711.1 Acriflavin resistance protein D							
						10		10.0000								
FN0517						10		13.0162	AAL94713.1 Outer membrane protein toIC							
						8		8.0000								
FN0519	-1.010	5.284				9		11.7145	AAL94715.1 Hypothetical exported 24-amino acid repeat protein							■
					3	6	4.3974	6.0000								
FN0522	-1.908	6.182				10		13.0162	AAL94718.1 Exonuclease SBCC							■
					3	20	4.3974	20.0000								
FN0523						5		6.5081	AAL94719.1 Exonuclease SBCD							
						9		9.0000								
FN0524	1.057	7.477	3.061e-3	7.872e-3	17	5	19.4488	6.5081	AAL94720.1 DNA helicase II							■
					13	12	19.0554	12.0000								
FN0525	-0.848	14.972	6.896e-3	2.242e-2	108	219	123.5571	285.0540	AAL94721.1 Penicillin-binding protein							■
					98	196	143.6483	196.0000								
FN0526	-0.443	11.386	4.394e-3	1.267e-2	34	42	38.8976	54.6679	AAL94722.1 Florfenicol resistance protein							■
					34	66	49.8372	66.0000								
FN0527	-2.095	9.163	1.056e-3	2.084e-3	10	33	11.4405	42.9533	AAL94723.1 Alanyl-tRNA synthetase							■
					8	56	11.7264	56.0000								
FN0528	5.036	14.918	2e-4	2.185e-4	951	28	1087.9890	36.4453	AAL94724.1 Cold shock protein							■
					633	25	927.8505	25.0000								
FN0535	1.268	11.141	2.193e-4	2.491e-4	61	24	69.7869	31.2388	AAL94731.1 Hypothetical protein							■
					53	30	77.6873	30.0000								
FN0536	0.517	15.709	9.179e-4	1.732e-3	242	159	276.8595	206.9570	AAL94732.1 DNA polymerase III, beta chain							■
					189	180	277.0359	180.0000								
FN0540	-0.270	10.828	1.773e-2	6.856e-2	32	32	36.6095	41.6517	AAL94736.1 Glutamate-1-semialdehyde 2,1-aminomutase							■
					28	52	41.0424	52.0000								
FN0541						6		7.8097	AAL94737.1 polysaccharide deacetylase							
						11		11.0000								
FN0542	-0.813	9.376			17	31	19.4488	40.3501	AAL94738.1 Beta 1,4 glucosyltransferase							■
						28		28.0000								
FN0543	0.674	9.063	1.376e-3	2.901e-3	28	12	32.0333	15.6194	AAL94739.1 Lipopolysaccharide heptosyltransferase-1							■
					18	21	26.3844	21.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

Signif	Direction	Applies To
■	+	ratios, bars
■	n/a	bars
■	-	ratios, bars
■	+	p-, q-Values
■	-	

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0547	-0.407	16.976	1.557e-2	5.891e-2	326	304	372.9594	395.6914	AAL94743.1 RecA protein							
					171	431	250.6516	431.0000								
FN0549									AAL94745.1 O-sialoglycoprotein endopeptidase							
						13		13.0000								
FN0550	0.685	8.043			18	12	20.5929	15.6194	AAL94746.1 hypothetical Protein							
						10		10.0000								
FN0552	-1.794	7.797			7	15	8.0083	19.5242	AAL94748.1 Serine racemase							
						36		36.0000								
FN0553	-1.390	14.316	3.49e-3	9.303e-3	85	144	97.2440	187.4328	AAL94749.1 D-serine dehydratase							
					54	275	79.1531	275.0000								
FN0554	-2.684	6.243			3	17	3.4321	22.1275	AAL94750.1 D-serine permease							
						22		22.0000								
FN0555						6		7.8097	AAL94751.1 Transcriptional regulator, MerR family							
FN0556	-1.304	9.886	1.066e-3	2.11e-3	15	42	17.1607	54.6679	AAL94752.1 unknown							
					15	42	21.9870	42.0000								
FN0557	-3.213	12.672	3.976e-3	1.105e-2	31	242	35.4655	314.9912	AAL94753.1 unknown							
					12	177	17.5896	177.0000								
FN0558	-1.801	11.770	4.484e-3	1.303e-2	31	105	35.4655	136.6697	AAL94754.1 TraT complement resistance protein precursor							
					19	84	27.8502	84.0000								
FN0559	-0.515	14.682	5.467e-3	1.683e-2	100	151	114.4047	196.5441	AAL94755.1 Phosphoglucomutase							
					107	191	156.8405	191.0000								
FN0560									AAL94756.1 Oxygen-independent coproporphyrinogen III oxidase							
						6		6.0000								
FN0561	0.048	9.680	8.862e-2	4.206e-1	24	21	27.4571	27.3339	AAL94757.1 Proline synthetase associated protein							
					21	29	30.7818	29.0000								
FN0562	0.699	14.114	1.092e-3	2.181e-3	157	93	179.6154	121.0503	AAL94758.1 Hypothetical cytosolic protein							
					109	88	159.7720	88.0000								
FN0563	-0.190	6.821	8.957e-2	4.256e-1	11	9	12.5845	11.7145	AAL94759.1 putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					5	11	7.3290	11.0000								
FN0574					4		4.5762		AAL94770.1 Hypothetical cytosolic protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0576	-1.209	11.617	6.242e-3	1.987e-2	26	81	29.7452	105.4309	AAL94772.1 hypothetical protein							
					30	65	43.9740	65.0000		■						
FN0577						13		16.9210	AAL94773.1 Hypothetical protein							
						13		13.0000								
FN0579	-0.643	18.026	1.183e-2	4.285e-2	350	588	400.4166	765.3505	AAL94775.1 Hypothetical cytosolic protein							
					291	526	426.5474	526.0000		■						
FN0580						7		9.1113	AAL94776.1 Penicillin-binding protein							
						12		12.0000								
FN0581	-1.092	6.839				12		15.6194	AAL94777.1 Lipoprotein releasing system transmembrane protein lolE							
					5		7.3290			■						
FN0582	-0.843	9.788	7.256e-3	2.388e-2	26	32	29.7452	41.6517	AAL94778.1 Lipoprotein releasing system ATP-binding protein lolD							
					10	38	14.6580	38.0000		■						
FN0583						7		9.1113	AAL94779.1 Hypothetical Exported Protein							
						15		15.0000								
FN0585	-1.085	5.473			4	8	4.5762	10.4129	AAL94781.1 Two-component response regulator czcR							
						9		9.0000		■						
FN0586	-1.178	5.567			4	9	4.5762	11.7145	AAL94782.1 Two-component sensor kinase czcS							
						9		9.0000		■						
FN0590	-2.486	8.141	1.893e-3	4.316e-3	6	25	6.8643	32.5404	AAL94786.1 N-acyl-L-amino acid amidohydrolase							
					5	47	7.3290	47.0000		■						
FN0592	-0.508	12.602	3.992e-2	1.727e-1	49	93	56.0583	121.0503	AAL94788.1 ATP-dependent DNA helicase pcrA							
					52	67	76.2215	67.0000		■						
FN0593	0.348	11.005	3.27e-3	8.556e-3	42	31	48.0500	40.3501	AAL94789.1 UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase							
					37	40	54.2345	40.0000		■						
FN0594	-3.691	10.080			8	91	9.1524	118.4471	AAL94790.1 (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase							
						118		118.0000		■						
FN0595	1.664	8.836	3.179e-2	1.33e-1	14	10	16.0167	13.0162	AAL94791.1 Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase							
					41	11	60.0977	11.0000		■						
FN0596	-0.661	8.220			12	18	13.7286	23.4291	AAL94792.1 Hypothetical protein							
						20		20.0000		■						
FN0597	-0.918	9.075	1.111e-3	2.232e-3	18	26	20.5929	33.8420	AAL94793.1 Lipid-A-disaccharide synthase							
					9	30	13.1922	30.0000		■						

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0598	0.412	9.072	2.045e-3	4.748e-3	25	14	28.6012	18.2226	AAL94794.1 Phospholipid-lipopolysaccharide ABC transporter							
					17	22	24.9186	22.0000								
FN0600	0.166	12.923	6.675e-2	3.078e-1	94	61	107.5405	79.3986	AAL94796.1 Hypothetical protein							
					54	87	79.1531	87.0000								
FN0602	0.567	13.502	1.503e-4	1.489e-4	110	63	125.8452	82.0018	AAL94798.1 Hypothetical protein							
					93	95	136.3193	95.0000								
FN0603						11		14.3178	AAL94799.1 Transcriptional regulatory protein, LYSR family							
						12		12.0000								
FN0605									AAL94801.1 Aspartate aminotransferase							
					5		7.3290									
FN0608	-1.551	12.941	4.05e-8	1.022e-9	47	118	53.7702	153.5908	AAL94804.1 Exoribonuclease II							
					34	150	49.8372	150.0000								
FN0609									AAL94805.1 Small protein B							
						11		11.0000								
FN0610	0.163	15.319	2.146e-2	8.568e-2	201	153	229.9535	199.1473	AAL94806.1 unknown							
					135	183	197.8828	183.0000								
FN0611	-0.822	18.665	2.054e-4	2.268e-4	471	612	538.8463	796.5893	AAL94807.1 Threonyl-tRNA synthetase							
					294	918	430.9448	918.0000								
FN0612	1.108	12.667	2.04e-2	8.069e-2	66	36	75.5071	46.8582	AAL94808.1 Hypothetical protein							
					110	63	161.2378	63.0000								
FN0614									AAL94810.1 Export ABC transporter							
						3		3.0000								
FN0616					50		57.2024		AAL94812.1 Hypothetical protein							
					22		32.2476									
FN0617	0.904	14.207	8.709e-6	2.273e-6	170	73	194.4881	95.0180	AAL94813.1 DNA polymerase III, beta chain							
					124	106	181.7590	106.0000								
FN0618	-0.283	12.874	5.864e-2	2.664e-1	72	90	82.3714	117.1455	AAL94814.1 Spermidine/putrescine-binding protein							
					51	74	74.7557	74.0000								
FN0619	0.277	7.746				12		15.6194	AAL94815.1 Small-conductance mechanosensitive channel							
						11	16.1238	11.0000								
FN0621	0.537	11.395	2.307e-2	9.287e-2	67	37	76.6512	48.1598	AAL94817.1 4-hydroxybutyrate coenzyme A transferase							
					33	38	48.3714	38.0000								

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

Proteins found:
 1344

Enter (or paste) list of ORFs

Test	Cutoff
q-Value	.005
p-Value	

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0622	-4.367	8.699	1.66e-3	3.674e-3	4	57	4.5762	74.1921	AAL94818.1 8-oxoguanine DNA glycosylase							
					3	111	4.3974	111.0000								
FN0625	1.618	9.431			51		58.3464		AAL94821.1 Aspartate aminotransferase							
					23	15	33.7134	15.0000								
FN0626									AAL94822.1 Hypothetical cytosolic protein							
						12		12.0000								
FN0627	1.417	15.214	4.805e-7	4.851e-8	284	95	324.9095	123.6536	AAL94823.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					213	115	312.2151	115.0000								
FN0628	1.684	7.195	1.338e-4	1.266e-4	20	5	22.8809	6.5081	AAL94824.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					14	7	20.5212	7.0000								
FN0629	0.757	10.133	5.895e-3	1.853e-2	39	25	44.6178	32.5404	AAL94825.1 PTS system, IID component							
					29	19	42.5082	19.0000								
FN0630					34		38.8976		AAL94826.1 PTS system, IIC component							
					11		16.1238									
FN0631	-0.308	7.911	5.295e-2	2.379e-1	9	15	10.2964	19.5242	AAL94827.1 PTS system, IIB component							
					12	15	17.5896	15.0000								
FN0633	-0.564	6.408	5.091e-2	2.275e-1	3	8	3.4321	10.4129	AAL94829.1 Replication protein							
					8	12	11.7264	12.0000								
FN0634	1.675	12.072	3.101e-5	1.7e-5	105	28	120.1250	36.4453	AAL94830.1 GTP-binding protein TypA/BipA							
					78	37	114.3323	37.0000								
FN0637					4		4.5762		AAL94833.1 Hypothetical exported 24-amino acid repeat protein							
					5		7.3290									
FN0643	-0.381	8.335	7.704e-2	3.611e-1	16	10	18.3048	13.0162	AAL94839.1 hypothetical DNA-binding protein							
					9	28	13.1922	28.0000								
FN0644	0.235	10.507	1.079e-1	5.229e-1	48	21	54.9143	27.3339	AAL94840.1 Uroporphyrin-III C-methyltransferase							
					19	43	27.8502	43.0000								
FN0645	0.275	5.444			5		5.7202		AAL94841.1 Porphobilinogen deaminase							
					6	6	8.7948	6.0000								
FN0646	2.069	5.239			11		12.5845		AAL94842.1 Glutamyl-tRNA reductase							
						3		3.0000								
FN0647					5		5.7202		AAL94843.1 transcriptional regulator							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0651						6		6.0000	AAL94847.1 Ribosomal large subunit pseudouridine synthase D							
FN0652	-1.847	24.301	4.383e-4	6.266e-4	2302	5960	2633.5970	7757.6347	AAL94848.1 Glyceraldehyde 3-phosphate dehydrogenase							
FN0653	-2.143	11.378	1.208e-3	2.477e-3	16	69	18.3048	89.8115	AAL94849.1 unknown							
FN0654	-1.529	19.324	2.485e-4	2.983e-4	366	1156	418.7213	1504.6687	AAL94850.1 Phosphoglycerate kinase							
FN0655	1.763	9.915	4.916e-3	1.47e-2	36	19	41.1857	24.7307	AAL94851.1 unknown							
FN0656					33		37.7536		AAL94852.1 Hypothetical protein							
FN0657					26		38.1108		AAL94853.1 Acetyltransferase							
FN0658	1.668	13.308	4.392e-6	8.367e-7	155	43	177.3273	55.9695	AAL94854.1 ABC transporter substrate-binding protein							
FN0660	0.080	6.117	1.598e-1	8.224e-1	6	4	6.8643	5.2065	AAL94856.1 ABC transporter ATP-binding protein							
FN0662	-0.318	11.685	2.059e-3	4.791e-3	45	47	51.4821	61.1760	AAL94858.1 Formiminoglutamase							
FN0664	-0.274	14.075	1.307e-1	6.503e-1	123	46	140.7178	59.8744	AAL94860.1 2-nitropropane dioxygenase							
FN0666						4		5.2065	AAL94862.1 Hypothetical protein							
FN0668	-0.727	7.955	1.69e-2	6.487e-2	15	15	17.1607	19.5242	AAL94864.1 High-affinity zinc uptake system protein znuA precursor							
FN0672	-0.328	7.772				17		22.1275	AAL94868.1 ATPase							
FN0675	-1.599	22.077	7.717e-3	2.578e-2	974	2016	1114.3021	2624.0590	AAL94871.1 60 kDa chaperonin GROEL							
FN0676	1.171	11.985	2.937e-4	3.755e-4	76	36	86.9476	46.8582	AAL94872.1 10 kDa chaperonin GROES							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0677	-1.430	10.796	9.163e-5	7.743e-5	18	51	20.5929	66.3824	AAL94873.1 Hypothetical protein							
					21	72	30.7818	72.0000								
FN0678	-0.043	11.635	1.3e-1	6.463e-1	51	48	58.3464	62.4776	AAL94874.1 Ser/Thr protein kinase							
					36	52	52.7687	52.0000								
FN0679	-1.033	5.307							AAL94875.1 GTPase							
					3	9	4.3974	9.0000								
FN0680	-1.031	6.370			6		6.8643		AAL94876.1 Ribulose-phosphate 3-epimerase							
					4	13	5.8632	13.0000								
FN0681	-0.585	15.877	2.382e-3	5.769e-3	176	212	201.3523	275.9427	AAL94877.1 Transcriptional regulator, MarR family							
					136	325	199.3486	325.0000								
FN0682	-0.750	9.358	8.597e-3	2.928e-2	23	28	26.3131	36.4453	AAL94878.1 Fibronectin-binding protein-like protein A							
					9	30	13.1922	30.0000								
FN0684	-2.070	5.628			3	16	3.4321	20.8259	AAL94880.1 Prismane protein							
						8		8.0000								
FN0685	-3.046	9.677	4.206e-3	1.193e-2	11	81	12.5845	105.4309	AAL94881.1 Sodium/pantothenate symporter							
					5	59	7.3290	59.0000								
FN0688	-2.916	9.474	1.716e-5	7.086e-6	8	58	9.1524	75.4938	AAL94884.1 Hypothetical protein							
					7	71	10.2606	71.0000								
FN0689	-0.571	14.637	3.858e-2	1.661e-1	120	196	137.2857	255.1168	AAL94885.1 Hypothetical protein							
					85	134	124.5929	134.0000								
FN0692	-0.587	4.860				4		5.2065	AAL94888.1 Nitrogen regulation protein NIFR3							
					3	8	4.3974	8.0000								
FN0693					11		12.5845		AAL94889.1 DNA mismatch repair protein mutS							
FN0694	-0.341	11.743	4.346e-3	1.248e-2	41	49	46.9059	63.7792	AAL94890.1 S-layer protein							
					39	68	57.1661	68.0000								
FN0695	-0.826	10.337	9.512e-4	1.814e-3	28	39	32.0333	50.7630	AAL94891.1 ABC transporter ATP-binding protein							
					15	45	21.9870	45.0000								
FN0697	0.376	15.163	2.452e-3	5.992e-3	202	117	231.0976	152.2891	AAL94893.1 Alanyl-tRNA synthetase							
					140	184	205.2118	184.0000								
FN0699	1.952	11.196	1.933e-4	2.085e-4	82	24	93.8119	31.2388	AAL94895.1 Protein translocase subunit secD							
					66	18	96.7427	18.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0700	2.084	7.994	3.144e-6	5.274e-7	28	5	32.0333	6.5081	AAL94896.1 Protein translocase subunit secF							
					23	9	33.7134	9.0000								
FN0701	0.647	14.550	8.241e-5	6.706e-5	176	88	201.3523	114.5423	AAL94897.1 Methyltransferase							
					127	133	186.1564	133.0000								
FN0705	-0.375	13.007	1.004e-3	1.947e-3	65	75	74.3631	97.6212	AAL94901.1 DNA polymerase I							
					58	109	85.0163	109.0000								
FN0706	0.779	4.779			6		6.8643		AAL94902.1 Hypothetical cytosolic protein							
						4		4.0000								
FN0707	0.185	6.275	1.028e-1	4.958e-1	10	5	11.4405	6.5081	AAL94903.1 Riboflavin kinase							
					5	10	7.3290	10.0000								
FN0710	-0.088	11.295	1.796e-2	6.956e-2	44	41	50.3381	53.3663	AAL94906.1 Hypothetical protein							
					32	50	46.9056	50.0000								
FN0711	-1.353	8.005	8.191e-3	2.767e-2	6	14	6.8643	18.2226	AAL94907.1 Phosphopantothenate--cysteine ligase							
					9	33	13.1922	33.0000								
FN0714						8		10.4129	AAL94910.1 NADH oxidase							
						16		16.0000								
FN0715	0.825	15.246	4.6e-3	1.348e-2	264	120	302.0285	156.1940	AAL94911.1 Hypothetical protein							
					152	140	222.8014	140.0000								
FN0716	-1.066	10.920	1.651e-5	6.648e-6	25	51	28.6012	66.3824	AAL94912.1 hypothetical protein							
					22	61	32.2476	61.0000								
FN0717	0.194	4.838			5		5.7202		AAL94913.1 Ribosomal small subunit pseudouridine synthase A							
						5		5.0000								
FN0720	-0.714	12.072	4.008e-2	1.736e-1	46	40	52.6262	52.0647	AAL94916.1 Protein Translation Elongation Factor P (EF-P)							
					34	116	49.8372	116.0000								
FN0721	0.185	10.583	4.316e-2	1.888e-1	32	28	36.6095	36.4453	AAL94917.1 Hypothetical protein							
					32	37	46.9056	37.0000								
FN0722	-1.397	5.786			4	7	4.5762	9.1113	AAL94918.1 WD-repeat family protein							
						15		15.0000								
FN0723									AAL94919.1 Hypothetical protein							
						5		5.0000								
FN0724	-0.381	11.687	3.506e-2	1.488e-1	38	40	43.4738	52.0647	AAL94920.1 Flavodoxin							
					39	79	57.1661	79.0000								

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

Proteins found: 1344

Enter (or paste) list of ORFs

Test	Cutoff
q-Value	.005
p-Value	

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0725	-1.565	8.611	3.401e-3	8.996e-3	6	20	6.8643	26.0323	AAL94921.1 Molybdopterin biosynthesis MoeB protein							
					11	42	16.1238	42.0000								
FN0728	-0.136	10.938	2.482e-3	6.088e-3	38	36	43.4738	46.8582	AAL94924.1 Hypothetical protein							
					28	46	41.0424	46.0000								
FN0729	0.747	14.060	2.999e-3	7.674e-3	146	92	167.0309	119.7487	AAL94925.1 Phosphoglycerate mutase							
					117	82	171.4984	82.0000								
FN0731	0.387	8.681	4.482e-2	1.97e-1	20	18	22.8809	23.4291	AAL94927.1 Hypothetical protein							
					16	12	23.4528	12.0000								
FN0733	1.763	13.115	3.459e-6	6.111e-7	147	34	168.1750	44.2550	AAL94929.1 Peptidase T							
					122	58	178.8274	58.0000								
FN0734								3.9048	AAL94930.1 Fe-S oxidoreductase							
								4.0000								
FN0735	1.765	12.009	7.314e-4	1.272e-3	89	32	101.8202	41.6517	AAL94931.1 Cell surface protein							
					92	28	134.8535	28.0000								
FN0736	-1.116	7.366	1.799e-3	4.056e-3	5	16	5.7202	20.8259	AAL94932.1 Methyltransferase							
					8	17	11.7264	17.0000								
FN0737								17.1607	AAL94933.1 Hypothetical protein							
					15			14.6580								
FN0738	-0.757	9.805	2.537e-2	1.032e-1	21	39	24.0250	50.7630	AAL94934.1 Hypothetical exported 24-amino acid repeat protein							
					15	27	21.9870	27.0000								
FN0739	1.323	16.007	3.31e-5	1.872e-5	338	144	386.6880	187.4328	AAL94935.1 Formiminotetrahydrofolate cyclodeaminase							
					290	137	425.0816	137.0000								
FN0740	-1.050	17.835	4.295e-3	1.228e-2	308	625	352.3666	813.5104	AAL94936.1 Imidazolonepropionase							
					218	578	319.5441	578.0000								
FN0741	0.326	18.975	7.731e-3	2.584e-2	659	551	753.9272	717.1907	AAL94937.1 Glutamate formiminotransferase							
					582	565	853.0948	565.0000								
FN0742	0.116	11.614	1.398e-1	7.029e-1	66	35	75.5071	45.5566	AAL94938.1 unknown							
					28	62	41.0424	62.0000								
FN0743	1.503	6.119	4.719e-5	3.226e-5	13	3	14.8726	3.9048	AAL94939.1 ATP-dependent helicase, DinG family							
					9	6	13.1922	6.0000								
FN0745	-0.661	14.479	1.661e-2	6.357e-2	114	179	130.4214	232.9894	AAL94941.1 metal dependent phosphohydrolase							
					75	147	109.9349	147.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0746						5		6.5081	AAL94942.1 Hypothetical Metal-Binding Protein							
						21		21.0000								
FN0749									AAL94945.1 Hypothetical protein							
					4			5.8632								
FN0750	-2.551	9.274	5.349e-5	3.806e-5	9	48	10.2964	62.4776	AAL94946.1 Hypothetical protein							
					7	58	10.2606	58.0000								
FN0751	-0.934	8.976	4.039e-3	1.129e-2	13	20	14.8726	26.0323	AAL94947.1 L-asparaginase I							
					12	36	17.5896	36.0000								
FN0752	-1.692	7.280	3.767e-5	2.284e-5	7	16	8.0083	20.8259	AAL94948.1 Proline iminopeptidase							
					4	24	5.8632	24.0000								
FN0753	1.122	13.051	3.642e-7	3.4e-8	121	46	138.4297	59.8744	AAL94949.1 Glutamyl-tRNA(Gln) amidotransferase subunit B							
					91	65	133.3877	65.0000								
FN0754	0.386	13.660	2.115e-2	8.418e-2	130	63	148.7262	82.0018	AAL94950.1 Glutamyl-tRNA(Gln) amidotransferase subunit A							
					76	117	111.4007	117.0000								
FN0755	0.313	10.364	1.69e-2	6.487e-2	31	27	35.4655	35.1436	AAL94951.1 Glutamyl-tRNA(Gln) amidotransferase subunit C							
					31	30	45.4398	30.0000								
FN0758	-0.828	14.761	7.804e-3	2.615e-2	111	202	126.9893	262.9265	AAL94954.1 Rod shape-determining protein mreB							
					84	181	123.1271	181.0000								
FN0761	-0.412	8.116	3.712e-2	1.588e-1	15	18	17.1607	23.4291	AAL94957.1 Bvg accessory factor							
					8	15	11.7264	15.0000								
FN0765	0.609	3.779			4		4.5762		AAL94961.1 tRNA (5-methylaminomethyl -2-thiouridylate) -methyltransferase							
						3		3.0000								
FN0766									AAL94962.1 Large-conductance mechanosensitive channel							
					20		29.3160									
FN0768					4		4.5762		AAL94964.1 Hemin receptor							
FN0771						3		3.9048	AAL94967.1 Oxygen-independent coproporphyrinogen III oxidase							
						7		7.0000								
FN0774	2.651	11.725	1.671e-3	3.706e-3	105	18	120.1250	23.4291	AAL94970.1 Hypothetical cytosolic protein							
					117	23	171.4984	23.0000								
FN0775	-0.208	16.097	4.753e-3	1.406e-2	218	229	249.4023	298.0702	AAL94971.1 Aspartyl aminopeptidase							
					166	271	243.3226	271.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0776	-0.809	12.740	1.938e-5	8.774e-6	58	86	66.3547	111.9390	AAL94972.1 Aspartate-ammonia ligase							
					40	107	58.6319	107.0000								
FN0777	0.322	12.957	6.432e-3	2.06e-2	91	68	104.1083	88.5099	AAL94973.1 GTP-binding protein lepA							
					65	71	95.2769	71.0000								
FN0778	-0.645	8.667				18		23.4291	AAL94974.1 Methyltransferase							
					11	27	16.1238	27.0000								
FN0779						6		7.8097	AAL94975.1 Putative GTPases (G3E family)							
						11		11.0000								
FN0783	1.127	23.890	3.135e-3	8.112e-3	5918	1871	6770.4723	2435.3246	AAL94979.1 acyl-CoA dehydrogenase							
					3331	2900	4882.5752	2900.0000								
FN0784	0.243	22.490	3.765e-2	1.615e-1	1997	1910	2284.6626	2486.0876	AAL94980.1 Electron transfer flavoprotein beta-subunit							
					2044	1976	2996.0924	1976.0000								
FN0785	-0.281	21.584	2.38e-2	9.609e-2	1458	1307	1668.0211	1701.2128	AAL94981.1 Electron transfer flavoprotein alpha-subunit							
					1057	2208	1549.3491	2208.0000								
FN0788	-0.468	9.547	1.429e-2	5.336e-2	24	21	27.4571	27.3339	AAL94984.1 unknown							
					13	37	19.0554	37.0000								
FN0790	-1.111	6.143			5	9	5.7202	11.7145	AAL94986.1 Xylose repressor							
						13		13.0000								
FN0791	-0.157	18.209	6.807e-2	3.146e-1	459	513	525.1177	667.7293	AAL94987.1 Histidine ammonia-lyase							
					353	495	517.4269	495.0000								
FN0792	-0.579	20.481	3.913e-5	2.429e-5	823	1095	941.5510	1425.2701	AAL94988.1 Urocanate hydratase							
					708	1532	1037.7854	1532.0000								
FN0793									AAL94989.1 Sodium/glutamate symport carrier protein							
					22		32.2476									
FN0794	-1.545	7.548			7	19	8.0083	24.7307	AAL94990.1 Hypothetical protein							
						22		22.0000								
FN0796	-0.335	14.652	5.547e-4	8.644e-4	128	144	146.4381	187.4328	AAL94992.1 Pyruvate,phosphate dikinase							
					95	173	139.2509	173.0000								
FN0798	-1.012	9.262	4.355e-2	1.907e-1	10	41	11.4405	53.3663	AAL94994.1 Fructose-1,6-bisphosphatase							
					16	17	23.4528	17.0000								
FN0799	-0.614	8.403			13	15	14.8726	19.5242	AAL94995.1 Isoamylase							
						26		26.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0800	1.264	12.332	1.287e-3	2.673e-3	110	32	125.8452	41.6517	AAL94996.1 Amino acid-binding protein							
					66	51	96.7427	51.0000								
FN0801						18		23.4291	AAL94997.1 Amino acid transport ATP-binding protein							
						22		22.0000								
FN0803	0.540	11.094	4.987e-3	1.498e-2	55	25	62.9226	32.5404	AAL94999.1 Cytochrome C-TYPE biogenesis protein ccdA							
					34	45	49.8372	45.0000								
FN0805	-1.606	5.937	1.328e-4	1.252e-4	4	11	4.5762	14.3178	AAL95001.1 Hypothetical protein							
					3	13	4.3974	13.0000								
FN0806	0.130	12.620	6.766e-2	3.125e-1	81	62	92.6678	80.7002	AAL95002.1 SpoIID homolog							
					50	71	73.2899	71.0000								
FN0807	1.138	8.846	1.433e-4	1.392e-4	30	13	34.3214	16.9210	AAL95003.1 3-deoxy-manno-octulosonate cytidyltransferase							
					20	12	29.3160	12.0000								
FN0808	-0.701	12.023	5.939e-4	9.545e-4	50	68	57.2024	88.5099	AAL95004.1 Phosphoglycerate mutase							
					30	76	43.9740	76.0000								
FN0809	-0.346	7.654			11		12.5845		AAL95005.1 23S rRNA methyltransferase							
						16		16.0000								
FN0810	-1.671	10.229	4.747e-2	2.101e-1	16	12	18.3048	15.6194	AAL95006.1 Low-specificity threonine aldolase							
					14	108	20.5212	108.0000								
FN0811						4		5.2065	AAL95007.1 Hypothetical protein							
						5		5.0000								
FN0813	-2.588	9.291	1.507e-4	1.494e-4	14	49	16.0167	63.7792	AAL95009.1 Transcriptional regulator, TetR family							
					3	59	4.3974	59.0000								
FN0814	4.207	11.864	3.637e-5	2.161e-5	241	8	275.7154	10.4129	AAL95010.1 Propionate CoA-transferase							
					170	18	249.1858	18.0000								
FN0815					61		69.7869		AAL95011.1 Propionate permease							
					41		60.0977									
FN0816					70		80.0833		AAL95012.1 dehydrogenase with MaoC-like domain							
					64		93.8111									
FN0818	2.016	18.019	2.237e-5	1.089e-5	852	224	974.7284	291.5621	AAL95014.1 DNA-binding protein HU							
					749	221	1097.8832	221.0000								
FN0819	0.437	12.038	1.701e-2	6.535e-2	55	38	62.9226	49.4614	AAL95015.1 Tetratricopeptide repeat family protein							
					60	62	87.9479	62.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0820	0.017	14.440	1.768e-1	9.29e-1	120	91	137.2857	118.4471	AAL95016.1 Mercuric reductase							
					111	178	162.7036	178.0000								
FN0821	0.764	10.566	4.059e-3	1.136e-2	40	29	45.7619	37.7469	AAL95017.1 Hypothetical protein							
					38	22	55.7003	22.0000								
FN0823	-2.287	11.221	8.633e-6	2.239e-6	22	79	25.1690	102.8277	AAL95019.1 GTP-binding protein hflX							
					13	113	19.0554	113.0000								
FN0824								5.2065	AAL95020.1 hypothetical cytosolic protein							
FN0825	0.321	10.063	2.875e-2	1.187e-1	37	25	42.3298	32.5404	AAL95021.1 Hypothetical cytosolic protein							
					21	26	30.7818	26.0000								
FN0826	0.942	9.440	4.821e-3	1.433e-2	28	20	32.0333	26.0323	AAL95022.1 periplasmic component of efflux system							
					28	12	41.0424	12.0000								
FN0827	-0.986	9.627	1.874e-3	4.262e-3	17	27	19.4488	35.1436	AAL95023.1 ABC transporter ATP-binding protein							
					14	44	20.5212	44.0000								
FN0828	0.217	5.341			6	6	6.8643	7.8097	AAL95024.1 ABC transporter permease protein							
								4.0000								
FN0830	-2.563	10.218	3.223e-4	4.247e-4	12	59	13.7286	76.7954	AAL95026.1 Hypothetical protein							
					10	91	14.6580	91.0000								
FN0832	1.714	11.452	1.427e-4	1.383e-4	92	18	105.2524	23.4291	AAL95028.1 Hypothetical protein							
					59	35	86.4821	35.0000								
FN0833	-0.946	8.807	1.439e-2	5.376e-2	10	29	11.4405	37.7469	AAL95029.1 Hypothetical protein							
					13	21	19.0554	21.0000								
FN0834	0.820	8.155	1.883e-3	4.288e-3	20	8	22.8809	10.4129	AAL95030.1 Hypothetical Exported Protein							
					15	15	21.9870	15.0000								
FN0836	0.453	8.325	7.05e-2	3.273e-1	11	12	12.5845	15.6194	AAL95032.1 Hypothetical protein							
					20	15	29.3160	15.0000								
FN0837								8.0000	AAL95033.1 Integrase/recombinase							
FN0846	-0.778	12.163	1.024e-3	2e-3	43	74	49.1940	96.3196	AAL95042.1 Hypothetical Exported Protein							
					37	81	54.2345	81.0000								
FN0847	-0.708	6.427	4.613e-3	1.353e-2	5	9	5.7202	11.7145	AAL95043.1 TPR-repeat-containing proteins							
					6	12	8.7948	12.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0849	-1.352	10.231	4.431e-4	6.356e-4	20	39	22.8809	50.7630	AAL95045.1 8-amino-7-oxononanoate synthase							
					14	60	20.5212	60.0000								
FN0850	-2.342	8.803	3.762e-5	2.279e-5	10	37	11.4405	48.1598	AAL95046.1 Hypothetical cytosolic protein							
					5	47	7.3290	47.0000								
FN0853	-1.697	11.969	6.011e-4	9.718e-4	32	96	36.6095	124.9552	AAL95049.1 Glycogen synthase							
					23	103	33.7134	103.0000								
FN0854	-1.267	13.371	5.758e-5	4.202e-5	66	114	75.5071	148.3843	AAL95050.1 Glucose-1-phosphate adenylyltransferase							
					39	171	57.1661	171.0000								
FN0855	-1.942	14.519	3.09e-5	1.691e-5	70	238	80.0833	309.7847	AAL95051.1 Glucose-1-phosphate adenylyltransferase							
					52	291	76.2215	291.0000								
FN0856	-1.598	12.873	7.824e-5	6.253e-5	55	124	62.9226	161.4005	AAL95052.1 1,4-alpha-glucan branching enzyme							
					25	140	36.6450	140.0000								
FN0857	-1.089	16.087	3.235e-6	5.507e-7	165	304	188.7678	395.6914	AAL95053.1 Glycogen phosphorylase							
					118	374	172.9642	374.0000								
FN0858	-3.346	8.570	6.341e-3	2.025e-2	3	31	3.4321	40.3501	AAL95054.1 4-alpha-glucanotransferase							
					6	84	8.7948	84.0000								
FN0865	-3.136	12.360	3.176e-6	5.356e-7	12	172	13.7286	223.8780	AAL95061.1 unknown							
					24	206	35.1792	206.0000								
FN0867	0.779	12.388	2.152e-4	2.424e-4	78	39	89.2357	50.7630	AAL95063.1 Long-chain-fatty-acid--CoA ligase							
					70	61	102.6059	61.0000								
FN0868									AAL95064.1 ATPases of the PP superfamily							
FN0869	-1.266	4.824			3	5	3.4321	6.5081	AAL95065.1 Hydrolase (HAD superfamily)							
						10		10.0000								
FN0870					10		11.4405		AAL95066.1 Rhodanese-related sulfurtransferases							
					9		13.1922									
FN0871	-0.015	6.743			9	6	10.2964	7.8097	AAL95067.1 3-dehydroquinase synthase							
						13		13.0000								
FN0873	-1.318	10.273	3.073e-3	7.913e-3	21	50	24.0250	65.0808	AAL95069.1 Protease IV							
					14	46	20.5212	46.0000								
FN0874									AAL95070.1 Phosphohydrolase (MUTT/NUDIX family protein)							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0875	-0.449	5.481			5	6	5.7202	7.8097	AAL95071.1 23S rRNA methyltransferase							
FN0878	0.175	9.505	2.076e-2	8.236e-2	27	19	30.8893	24.7307	AAL95074.1 Transcriptional regulator, GntR family							
FN0884						3		3.9048	AAL95079.1 Hemin transport system permease protein hmuU							
FN0886					3		3.4321		AAL95082.1 Hemin receptor							
FN0887	0.378	10.791	1.65e-2	6.304e-2	48	26	54.9143	33.8420	AAL95083.1 Oligoendopeptidase F							
FN0888					21		24.0250		AAL95084.1 Uracil permease							
FN0889						9		9.0000	AAL95085.1 hypothetical protein							
FN0892						10		13.0162	AAL95088.1 Phosphoserine phosphatase							
FN0893	-0.174	7.440			14		16.0167		AAL95089.1 Hypothetical protein							
FN0896	0.631	7.565	1.248e-2	4.56e-2	12	7	13.7286	9.1113	AAL95092.1 Hypothetical protein							
FN0898						6		7.8097	AAL95094.1 Hypothetical protein							
FN0900						6		6.0000								
FN0900						20		20.0000	AAL95096.1 Metal dependent hydrolase							
FN0901						10		13.0162	AAL95097.1 DNA polymerase, bacteriophage-type							
FN0901						16		16.0000								
FN0902					6		6.8643		AAL95098.1 5-formyltetrahydrofolate cyclo-ligase							
FN0902					8		11.7264									
FN0903	-0.524	8.788	7.871e-4	1.408e-3	14	18	16.0167	23.4291	AAL95099.1 Polysialic acid capsule expression protein kpsF							
FN0903					13	27	19.0554	27.0000								
FN0905					11		12.5845		AAL95101.1 Hypothetical protein							
FN0905					10		14.6580									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0906	-1.555	8.858	7.235e-5	5.64e-5	13	26	14.8726	33.8420	AAL95102.1 Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					7	40	10.2606	40.0000								
FN0908	0.218	8.099	9.648e-2	4.619e-1	12	9	13.7286	11.7145	AAL95104.1 Tpl protein							
					15	19	21.9870	19.0000								
FN0910						3		3.9048	AAL95106.1 Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
						9		9.0000								
FN0911	0.246	5.757			7	5	8.0083	6.5081	AAL95107.1 Alpha-ribazole-5'-phosphate phosphatase							
						7		7.0000								
FN0912						9		11.7145	AAL95108.1 Cobalamin [5'-phosphate] synthase							
						7		7.0000								
FN0913	-1.221	4.779			3		3.4321		AAL95109.1 Cobinamide kinase							
						8		8.0000								
FN0915	-0.964	10.857	5.083e-3	1.535e-2	27	54	30.8893	70.2873	AAL95111.1 PTS system, N-acetylglucosamine-specific IIA component							
					21	50	30.7818	50.0000								
FN0916	0.683	15.778	5.564e-3	1.721e-2	301	153	344.3583	199.1473	AAL95112.1 Hypothetical Exported Protein							
					175	175	256.5148	175.0000								
FN0917	-1.570	5.843				7		9.1113	AAL95113.1 Hypothetical protein							
					3	17	4.3974	17.0000								
FN0920					7		8.0083		AAL95116.1 Protease HTPX							
					5		7.3290									
FN0921	-1.416	8.545	2.97e-4	3.811e-4	13	27	14.8726	35.1436	AAL95117.1 Hypothetical protein							
					6	28	8.7948	28.0000								
FN0922					3		3.4321		AAL95118.1 Homoserine kinase							
FN0924					3		4.3974		AAL95120.1 Hypothetical protein							
FN0925	-0.082	6.592	1.654e-1	8.574e-1	9	4	10.2964	5.2065	AAL95121.1 Hypothetical protein							
					6	15	8.7948	15.0000								
FN0926	-1.947	8.625	5.59e-5	4.037e-5	10	30	11.4405	39.0485	AAL95122.1 GTP pyrophosphokinase							
					6	39	8.7948	39.0000								
FN0928	-0.231	5.752	1.363e-1	6.826e-1	8	3	9.1524	3.9048	AAL95124.1 O-sialoglycoprotein endopeptidase							
					3	12	4.3974	12.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0929	-1.635	7.908				22		28.6356	AAL95125.1 ATP/GTP hydrolase							
					6	26	8.7948	26.0000								
FN0930									AAL95126.1 Glycerol-3-phosphate cytidyltransferase							
						5		5.0000								
FN0932	-1.489	6.828	1.288e-2	4.732e-2	6	9	6.8643	11.7145	AAL95128.1 Hypothetical protein							
					4	24	5.8632	24.0000								
FN0933					3			3.4321	AAL95129.1 3-phosphoshikimate 1-carboxyvinyltransferase							
FN0934						30		39.0485	AAL95130.1 Chorismate synthase							
						25		25.0000								
FN0938						42		54.6679	AAL95134.1 Hypothetical protein							
						37		37.0000								
FN0940	-0.777	8.022	3.662e-3	9.905e-3	10	14	11.4405	18.2226	AAL95136.1 Hypothetical protein							
					9	24	13.1922	24.0000								
FN0941	-0.490	10.596	2.751e-2	1.13e-1	26	44	29.7452	57.2711	AAL95137.1 Gamma-glutamyltranspeptidase							
					25	36	36.6450	36.0000								
FN0943	-2.274	6.951	6.423e-3	2.057e-2	5	13	5.7202	16.9210	AAL95139.1 Sensory Transduction Protein Kinase							
					3	32	4.3974	32.0000								
FN0947	1.217	12.376	2.641e-4	3.269e-4	88	32	100.6762	41.6517	AAL95143.1 Hypothetical protein							
					83	54	121.6613	54.0000								
FN0949	1.790	13.586	6.204e-6	1.333e-6	185	44	211.6488	57.2711	AAL95145.1 DNA helicase							
					137	62	200.8144	62.0000								
FN0951						7		7.0000	AAL95147.1 Precorrin-3B C17-methyltransferase							
FN0957	1.354	7.881	5.589e-3	1.731e-2	16	4	18.3048	5.2065	AAL95153.1 Precorrin-4 C11-methyltransferase							
					21	14	30.7818	14.0000								
FN0958						7		7.0000	AAL95154.1 unknown							
FN0959	1.692	6.336			18		20.5929		AAL95155.1 Precorrin-2 C20-methyltransferase							
					8	5	11.7264	5.0000								
FN0961						26		26.0000	AAL95157.1 Hypothetical protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0962	0.638	8.295	9.328e-3	3.223e-2	22	8	25.1690	10.4129	AAL95158.1 Hypothetical cytosolic protein							
					13	18	19.0554	18.0000								
FN0964	-0.223	5.970				7		9.1113	AAL95160.1 Precorrin-8W decarboxylase							
					5	8	7.3290	8.0000								
FN0965	-0.366	11.523	5.008e-2	2.233e-1	31	57	35.4655	74.1921	AAL95161.1 D-3-phosphoglycerate dehydrogenase							
					41	49	60.0977	49.0000								
FN0966									AAL95162.1 Precorrin-6Y C5,15-methyltransferase (decarboxylating)							
						5		5.0000								
FN0967	-0.806	4.364			3		3.4321		AAL95163.1 CbiD protein							
						6		6.0000								
FN0970	0.871	7.724	8.098e-3	2.731e-2	19	5	21.7369	6.5081	AAL95166.1 Precorrin-8X methylmutase							
					12	15	17.5896	15.0000								
FN0971						4		5.2065	AAL95167.1 hypothetical cytosolic protein							
FN0972						8		10.4129	AAL95168.1 Cobyric acid a,c-diamide synthase							
						32		32.0000								
FN0976	-0.258	11.269	6.759e-2	3.121e-1	41	32	46.9059	41.6517	AAL95172.1 Hypothetical protein							
					30	67	43.9740	67.0000								
FN0977	-0.998	9.556	4.871e-3	1.453e-2	16	35	18.3048	45.5566	AAL95173.1 Cobyric acid synthase							
					14	32	20.5212	32.0000								
FN0981	1.271	13.175	2.399e-4	2.832e-4	142	59	162.4547	76.7954	AAL95177.1 Phosphoribosylamine--glycine ligase							
					93	47	136.3193	47.0000								
FN0982	0.088	15.633	8.976e-2	4.266e-1	223	180	255.1226	234.2910	AAL95178.1 Phosphoribosylaminoimidazolecarboxamide formyltransferase							
					143	203	209.6092	203.0000								
FN0983	-0.620	14.119	1.557e-3	3.386e-3	101	115	115.5488	149.6859	AAL95179.1 Hypothetical protein							
					68	181	99.6743	181.0000								
FN0984	-2.590	9.313	3.545e-5	2.077e-5	9	49	10.2964	63.7792	AAL95180.1 Tetracenomycin polyketide synthesis O-methyltransferase tcmP							
					7	60	10.2606	60.0000								
FN0985	-0.055	8.334	1.523e-1	7.774e-1	18	12	20.5929	15.6194	AAL95181.1 Phosphoribosylglycinamide formyltransferase							
					10	21	14.6580	21.0000								
FN0986	-0.175	15.321	1.11e-1	5.399e-1	151	119	172.7512	154.8924	AAL95182.1 Phosphoribosylformylglycinamide cyclo-ligase							
					142	275	208.1434	275.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN0987	-0.870	13.680	1.512e-4	1.5e-4	70	112	80.0833	145.7811	AAL95183.1							
					61	164	89.4137	164.0000	Amidophosphoribosyltransferase							
FN0988	0.662	16.530	2.478e-3	6.075e-3	351	156	401.5606	203.0522	AAL95184.1							
					254	286	372.3128	286.0000	Phosphoribosylamidoimidazole-succinocarboxamide synthase							
FN0989	0.162	15.499	1.027e-1	4.95e-1	184	116	210.5047	150.9875	AAL95185.1							
					167	256	244.7884	256.0000	Phosphoribosylaminoimidazole carboxylase catalytic subunit							
FN0990	-0.554	21.187	4.339e-5	2.86e-5	1063	1412	1216.1223	1837.8826	AAL95186.1							
					910	1907	1333.8767	1907.0000	Phosphoribosylformylglycinamide synthase							
FN0991	0.329	9.956	8.242e-3	2.788e-2	31	24	35.4655	31.2388	AAL95187.1							
					24	25	35.1792	25.0000	CDP-diacylglycerol--serine O-phosphatidyltransferase							
FN0992	-0.278	9.830	1.901e-2	7.43e-2	21	28	24.0250	36.4453	AAL95188.1							
					21	30	30.7818	30.0000	ADP-heptose:LPS heptosyltransferase II							
FN0994	0.649	13.995	7.483e-3	2.481e-2	140	60	160.1666	78.0970	AAL95190.1							
					109	126	159.7720	126.0000	Hypothetical protein							
FN0997	-1.049	11.106	2.015e-3	4.662e-3	34	60	38.8976	78.0970	AAL95193.1							
					18	57	26.3844	57.0000	Hypothetical protein							
FN0998	-1.839	14.893	1.011e-5	2.998e-6	69	248	78.9393	322.8009	AAL95194.1							
					72	337	105.5375	337.0000	Dipeptide-binding protein							
FN0999	-2.326	8.355	1.002e-5	2.944e-6	9	30	10.2964	39.0485	AAL95195.1							
					4	42	5.8632	42.0000	Deblocking aminopeptidase							
FN1000					41		46.9059		AAL95196.1							
					34		49.8372		Biotin synthase							
FN1001	-0.909	9.988	4.845e-4	7.161e-4	24	31	27.4571	40.3501	AAL95197.1							
					13	47	19.0554	47.0000	Dethiobiotin synthetase							
FN1002	0.643	10.051	1.64e-3	3.618e-3	34	17	38.8976	22.1275	AAL95198.1							
					29	30	42.5082	30.0000	Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
FN1003	-1.332	12.510	3.394e-4	4.533e-4	47	84	53.7702	109.3358	AAL95199.1							
					29	133	42.5082	133.0000	Outer membrane protein P1 precursor							
FN1004	-0.657	8.123	5.251e-2	2.356e-1	13	23	14.8726	29.9372	AAL95200.1							
					8	12	11.7264	12.0000	Transcriptional regulator, TetR family							
FN1005	-0.678	10.509	1.288e-2	4.73e-2	22	45	25.1690	58.5727	AAL95201.1							
					24	38	35.1792	38.0000	Hypothetical protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1006						12		12.0000	AAL95202.1 Acetyltransferase							
FN1010	0.833	14.222	6.179e-4	1.013e-3	165	90	188.7678	117.1455	AAL95206.1 Hypothetical cytosolic protein							
FN1011	-1.016	6.119				9		11.7145	AAL95207.1 MGPA protein							
FN1012	-1.711	8.880	1.899e-3	4.333e-3	12	25	13.7286	32.5404	AAL95208.1 HPR(Ser) kinase							
FN1014	-2.216	7.871	6.417e-3	2.054e-2	6	33	6.8643	42.9533	AAL95210.1 Folylpolylglutamate synthase							
FN1015	0.676	7.895	7.405e-3	2.448e-2	20	8	22.8809	10.4129	AAL95211.1 5'-methylthioadenosine nucleosidase							
FN1016	-2.227	7.881	4.995e-4	7.466e-4	6	28	6.8643	36.4453	AAL95212.1 Lipid A biosynthesis lauroyl acyltransferase							
FN1017	0.499	13.054	7.066e-3	2.31e-2	93	70	106.3964	91.1132	AAL95213.1 Hypothetical Exported Protein							
FN1019	0.287	23.883	8.102e-3	2.732e-2	3484	2651	3985.8610	3450.5855	AAL95215.1 3-hydroxybutyryl-CoA dehydrogenase							
FN1020	-0.171	17.801	1.036e-1	5.001e-1	331	478	378.6797	622.1727	AAL95216.1 3-hydroxybutyryl-CoA dehydratase							
FN1022					9		10.2964		AAL95218.1 Calcium-transporting ATPase							
FN1023	-1.530	7.533			7	24	8.0083	31.2388	AAL95219.1 5-Nitroimidazole antibiotic resistance protein							
FN1024	0.176	20.436	1.063e-1	5.144e-1	1379	726	1577.6413	944.9736	AAL95220.1 DNA-binding protein HU							
FN1025	0.797	7.441			15		17.1607		AAL95221.1 Guanine-hypoxanthine permease							
FN1026						6		6.0000	AAL95222.1 tRNA pseudouridine synthase A							
FN1028	0.622	9.997	9.951e-3	3.482e-2	36	25	41.1857	32.5404	AAL95224.1 Deoxyuridine 5'-triphosphate nucleotidohydrolase							

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

Proteins found:
 1344

Enter (or paste) list of ORFs

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1029	0.488	11.815	1.641e-2	6.267e-2	73	41	83.5155	53.3663	AAL95225.1 Zinc protease							
					40	48	58.6319	48.0000								
FN1030	-1.171	7.560			8	14	9.1524	18.2226	AAL95226.1 Hypothetical membrane-spanning protein							
						23		23.0000								
FN1031	-1.323	5.596							AAL95227.1 Hypothetical membrane-spanning protein							
					3	11	4.3974	11.0000								
FN1033	-0.993	10.538	4.381e-3	1.262e-2	26	49	29.7452	63.7792	AAL95229.1 Methyltransferase							
					17	45	24.9186	45.0000								
FN1034	-1.092	5.480			4	5	4.5762	6.5081	AAL95230.1 Transcriptional regulator, TetR family							
						13		13.0000								
FN1035									AAL95231.1 Iron-sulfur flavoprotein							
						3		3.0000								
FN1036									AAL95232.1 Hypothetical protein							
						3		3.9048								
FN1037	-2.322	5.880			3	11	3.4321	14.3178	AAL95233.1 Hypothetical cytosolic protein							
						20		20.0000								
FN1041	-0.779	7.337	4.189e-3	1.186e-2	8	11	9.1524	14.3178	AAL95237.1 Acetyltransferase							
					7	19	10.2606	19.0000								
FN1042	0.485	8.826	2.127e-2	8.474e-2	21	10	24.0250	13.0162	AAL95238.1 S1 RNA binding domain							
					18	23	26.3844	23.0000								
FN1048	-0.186	3.744			3	3	3.4321	3.9048	AAL95244.1 Hypothetical membrane-spanning protein							
FN1055	-0.712	11.624	6.778e-4	1.149e-3	37	59	42.3298	76.7954	AAL95251.1 Cysteine synthase							
					31	67	45.4398	67.0000								
FN1057						17		22.1275	AAL95253.1 Diamine acetyltransferase							
						5		5.0000								
FN1060	-0.653	10.198	8.286e-4	1.513e-3	26	33	29.7452	42.9533	AAL95256.1 hypothetical cytosolic protein							
					17	43	24.9186	43.0000								
FN1062	1.814	12.371	3.726e-5	2.245e-5	113	22	129.2774	28.6356	AAL95258.1 Hydrolase							
					98	49	143.6483	49.0000								
FN1063	-2.684	7.073			4	16	4.5762	20.8259	AAL95259.1 N-acyl-L-amino acid amidohydrolase							
						38		38.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1066	-0.884	7.393	2.037e-5	9.641e-6	9	14	10.2964	18.2226	AAL95262.1 Exodeoxyribonuclease VII large subunit							
					6	17	8.7948	17.0000								
FN1067	-1.081	11.464	3.276e-4	4.341e-4	28	65	32.0333	84.6051	AAL95263.1 Tetratricopeptide repeat family protein							
					28	70	41.0424	70.0000								
FN1068						16		20.8259	AAL95264.1 Smf protein							
						13		13.0000								
FN1069	0.337	11.039	5.03e-2	2.244e-1	44	22	50.3381	28.6356	AAL95265.1 DNA topoisomerase I							
					36	53	52.7687	53.0000								
FN1070	0.705	7.125	9.987e-3	3.497e-2	11	5	12.5845	6.5081	AAL95266.1 Glucose inhibited division protein A							
					12	12	17.5896	12.0000								
FN1071	0.779	4.779			6		6.8643		AAL95267.1 Integrase/recombinase							
						4		4.0000								
FN1072	0.276	9.483	8.59e-2	4.065e-1	22	12	25.1690	15.6194	AAL95268.1 GTP-binding protein							
					23	33	33.7134	33.0000								
FN1073	-1.097	5.370				6		7.8097	AAL95269.1 Hypothetical protein							
					3	11	4.3974	11.0000								
FN1074	-0.619	9.409	3.889e-3	1.073e-2	15	22	17.1607	28.6356	AAL95270.1 Signal recognition particle receptor FtsY							
					17	36	24.9186	36.0000								
FN1075						7		7.0000	AAL95271.1 Hypothetical protein							
FN1077	2.160	8.988	2.331e-4	2.717e-4	41	11	46.9059	14.3178	AAL95273.1 Hypothetical protein							
					33	7	48.3714	7.0000								
FN1078	-0.071	15.034	1.212e-1	5.969e-1	133	144	152.1583	187.4328	AAL95274.1 Hypothetical exported 24-amino acid repeat protein							
					140	188	205.2118	188.0000								
FN1079	-0.408	19.196	3.785e-3	1.035e-2	638	748	729.9022	973.6092	AAL95275.1 Neutrophil-activating protein A							
					420	812	615.6354	812.0000								
FN1080	-0.934	6.274	5.287e-3	1.613e-2	6	11	6.8643	14.3178	AAL95276.1 Export ABC transporter							
					4	10	5.8632	10.0000								
FN1081					18		20.5929		AAL95277.1 unknown							
					15		21.9870									
FN1082					4		4.5762		AAL95278.1 unknown							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1084	2.604	10.889	2.093e-3	4.89e-3	75	11	85.8036	14.3178	AAL95280.1 unknown							
					88	21	128.9903	21.0000		■						
FN1085	-0.840	12.514	7.008e-4	1.201e-3	41	85	46.9059	110.6374	AAL95281.1 4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					46	94	67.4267	94.0000		■						
FN1086	-0.726	7.992	2.121e-2	8.449e-2	14	20	16.0167	26.0323	AAL95282.1 Transporter							
					6	15	8.7948	15.0000		■						
FN1088	0.025	10.446	1.533e-1	7.834e-1	30	30	34.3214	39.0485	AAL95284.1 NADH oxidase							
					28	35	41.0424	35.0000								
FN1089	-2.901	13.022	8.523e-4	1.576e-3	34	164	38.8976	213.4651	AAL95285.1 ATP-binding protein (contains P-loop)							
					19	285	27.8502	285.0000		■						
FN1091	0.095	7.752	1.414e-1	7.125e-1	15	8	17.1607	10.4129	AAL95287.1 Sigma factor sigB regulation protein rsbU							
					9	18	13.1922	18.0000								
FN1092	-1.405	11.288	3.51e-3	9.371e-3	14	62	16.0167	80.7002	AAL95288.1 Hypothetical protein							
					31	82	45.4398	82.0000		■						
FN1093	1.332	10.706	8.764e-4	1.633e-3	57	15	65.2107	19.5242	AAL95289.1 Hypothetical protein							
					44	32	64.4951	32.0000		■						
FN1094						13		16.9210	AAL95290.1 Dolichol-phosphate mannosyltransferase							
						24		24.0000								
FN1096	0.666	10.166	3.181e-2	1.332e-1	49	16	56.0583	20.8259	AAL95292.1 Hypothetical protein							
					20	33	29.3160	33.0000		■						
FN1097	1.098	7.098			12		13.7286		AAL95293.1 Hypothetical protein							
					14	8	20.5212	8.0000		■						
FN1101	-1.221	4.779			3		3.4321		AAL95297.1 ATPase							
						8		8.0000		■						
FN1102									AAL95298.1 tRNA 2'phosphotransferase							
						10		10.0000								
FN1103	-1.340	10.659	5.227e-4	7.95e-4	16	43	18.3048	55.9695	AAL95299.1 Excinuclease ABC subunit A							
					22	72	32.2476	72.0000		■						
FN1104					5		5.7202		AAL95300.1 Holliday junction DNA helicase ruvA							
FN1105	0.907	11.931	7.415e-7	8.423e-8	74	34	84.6595	44.2550	AAL95301.1 Hypothetical protein							
					59	47	86.4821	47.0000		■						

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

Signif	Direction	Applies To
■	+	ratios, bars
■	n/a	bars
■	-	ratios, bars
■	+	p-, q-Values
■	-	

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1106	-0.445	11.477	1.421e-2	5.298e-2	39	55	44.6178	71.5889	AAL95302.1 L-serine dehydratase							
					32	53	46.9056	53.0000								
FN1111	-0.607	7.330	2.488e-3	6.108e-3	9	11	10.2964	14.3178	AAL95307.1 Dipeptide-binding protein							
					7	17	10.2606	17.0000								
FN1117	2.544	10.529	1.757e-5	7.374e-6	79	16	90.3797	20.8259	AAL95313.1 LSU ribosomal protein L21P							
					65	11	95.2769	11.0000								
FN1119	3.015	12.869	2.552e-5	1.297e-5	230	16	263.1309	20.8259	AAL95315.1 LSU ribosomal protein L27P							
					156	40	228.6646	40.0000								
FN1120	-0.904	15.279	1.126e-5	3.526e-6	128	207	146.4381	269.4346	AAL95316.1 Phosphoenolpyruvate carboxykinase (ATP)							
					99	276	145.1141	276.0000								
FN1121	0.318	12.651	5.013e-3	1.509e-2	72	52	82.3714	67.6841	AAL95317.1 hypothetical cytosolic protein							
					66	76	96.7427	76.0000								
FN1122	1.142	13.439	4.401e-4	6.299e-4	143	66	163.5988	85.9067	AAL95318.1 Long-chain-fatty-acid--CoA ligase							
					102	56	149.5115	56.0000								
FN1123	1.882	8.425	1.103e-2	3.946e-2	43	11	49.1940	14.3178	AAL95319.1 Thioredoxin-like protein							
					15	5	21.9870	5.0000								
FN1124	0.016	17.157	1.577e-1	8.097e-1	312	286	356.9428	372.2623	AAL95320.1 Outer membrane porin F							
					281	388	411.8894	388.0000								
FN1125	-0.730	12.400	5.505e-3	1.698e-2	46	84	52.6262	109.3358	AAL95321.1 LemA protein							
					42	80	61.5635	80.0000								
FN1127	-0.605	11.533	1.751e-4	1.824e-4	40	54	45.7619	70.2873	AAL95323.1 Hypothetical membrane-spanning protein							
					29	64	42.5082	64.0000								
FN1128	-0.018	15.108	1.414e-1	7.122e-1	156	140	178.4714	182.2263	AAL95324.1 Acylamino-acid-releasing enzyme							
					133	196	194.9512	196.0000								
FN1129	0.212	6.249	1.142e-1	5.575e-1	10	4	11.4405	5.2065	AAL95325.1 Chromosome partition protein smc							
					5	11	7.3290	11.0000								
FN1130	-0.265	6.654			8		9.1524		AAL95326.1 Tetraacyldisaccharide 4'-kinase							
						11		11.0000								
FN1131	-1.028	4.586			3		3.4321		AAL95327.1 Hypothetical protein							
						7		7.0000								
FN1133	0.070	9.985	1.316e-1	6.553e-1	25	27	28.6012	35.1436	AAL95329.1 N-acetylglucosamine-6-phosphate deacetylase							
					25	27	36.6450	27.0000								

- Show detected proteins only
- Show all proteins

Filter by category:
GO: amino acid transport

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1134	1.652	7.652			26		29.7452		AAL95330.1 Hypothetical cytosolic protein							
					14	8	20.5212	8.0000								
FN1135	0.184	14.164	2.162e-2	8.642e-2	123	107	140.7178	139.2730	AAL95331.1 Phosphonates-binding protein							
					101	115	148.0457	115.0000								
FN1136	-1.052	8.428	2.163e-3	5.096e-3	11	18	12.5845	23.4291	AAL95332.1 Phosphonates transport ATP-binding protein phnC							
					9	30	13.1922	30.0000								
FN1137									AAL95333.1 Phosphonates transport system permease protein phnE							
					3		4.3974									
FN1138	1.098	19.059	4.851e-3	1.445e-2	1147	491	1312.2223	639.0937	AAL95334.1 Hypothetical cytosolic protein							
					580	371	850.1632	371.0000								
FN1139	-3.989	10.621	4.891e-4	7.255e-4	11	107	12.5845	139.2730	AAL95335.1 Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					5	177	7.3290	177.0000								
FN1140									AAL95336.1 hypothetical protein							
						10		13.0162								
FN1142	-0.944	4.502			3	4	3.4321	5.2065	AAL95338.1 Oxygen-independent coproporphyrinogen III oxidase							
								8.0000								
FN1143	-1.354	14.678	4.952e-3	1.485e-2	104	244	118.9809	317.5944	AAL95339.1 Glucosamine-6-phosphate isomerase							
					57	200	83.5505	200.0000								
FN1144	0.771	14.774	6.158e-5	4.586e-5	199	107	227.6654	139.2730	AAL95340.1 Hypothetical Exported Protein							
					143	117	209.6092	117.0000								
FN1145	0.231	8.926	1.092e-1	5.303e-1	20	9	22.8809	11.7145	AAL95341.1 Oligoendopeptidase F							
					17	29	24.9186	29.0000								
FN1146					17		19.4488		AAL95342.1 Hypothetical exported 24-amino acid repeat protein							
					19		27.8502									
FN1147					33		37.7536		AAL95343.1 Hypothetical protein							
					43		63.0293									
FN1148	-0.319	11.331	2.232e-3	5.304e-3	41	41	46.9059	53.3663	AAL95344.1 Serine/threonine sodium symporter							
					30	60	43.9740	60.0000								
FN1149	-0.895	6.949	1.095e-2	3.909e-2	4	11	4.5762	14.3178	AAL95345.1 ATP-dependent nuclease subunit A							
					8	16	11.7264	16.0000								
FN1150	-0.256	5.359							AAL95346.1 unknown							
					4	7	5.8632	7.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1152	0.622	13.950	1.393e-3	2.945e-3	146	79	167.0309	102.8277	AAL95348.1 Aspartate aminotransferase							
					99	100	145.1141	100.0000								
FN1153					37		42.3298		AAL95349.1 Hypothetical protein							
					29		42.5082									
FN1154						8		10.4129	AAL95350.1 Ribonuclease BN							
						10		10.0000								
FN1155						3		3.9048	AAL95351.1 Cell division protein ftsI							
						5		5.0000								
FN1156						10		13.0162	AAL95352.1 Primosomal protein N'							
						5		5.0000								
FN1157					12		13.7286		AAL95353.1 Polypeptide deformylase							
					16		23.4528									
FN1159	-0.836	14.052	1.714e-4	1.773e-4	77	137	88.0916	178.3215	AAL95355.1 Fructose-1,6-bisphosphatase							
					73	170	107.0033	170.0000								
FN1160	0.352	6.372	1.012e-2	3.554e-2	9	7	10.2964	9.1113	AAL95356.1 SWF/SNF family helicase							
					7	7	10.2606	7.0000								
FN1161	-0.403	5.507				5		6.5081	AAL95357.1 Glutamate racemase							
					4	9	5.8632	9.0000								
FN1162						4		5.2065	AAL95358.1 Hydroxyacylglutathione hydrolase							
						10		10.0000								
FN1163	0.927	12.063	3.219e-3	8.388e-3	77	46	88.0916	59.8744	AAL95359.1 Thioredoxin reductase							
					63	35	92.3453	35.0000								
FN1164	-0.788	6.536				11		14.3178	AAL95360.1 Glucokinase							
					5	11	7.3290	11.0000								
FN1165	0.568	24.997	2.725e-3	6.819e-3	6372	4182	7289.8698	5443.3605	AAL95361.1 D-galactose-binding protein							
					4643	4062	6805.7029	4062.0000								
FN1166	-0.805	14.946	1.643e-5	6.592e-6	112	178	128.1333	231.6877	AAL95362.1 Galactoside transport ATP-binding protein mgIA							
					96	238	140.7167	238.0000								
FN1167	1.102	8.201	4.179e-3	1.182e-2	26	8	29.7452	10.4129	AAL95363.1 Galactoside transport system permease protein mgIC							
					14	13	20.5212	13.0000								
FN1169	-0.563	16.637	1.318e-2	4.862e-2	217	245	248.2583	318.8961	AAL95365.1 L-lactate dehydrogenase							
					189	457	277.0359	457.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1170	-0.665	24.970	2.019e-5	9.477e-6	3813	5624	4362.2526	7320.2915	AAL95366.1 Pyruvate-flavodoxin oxidoreductase							
					3237	7117	4744.7901	7117.0000								
FN1171	-0.167	19.664	3.173e-2	1.328e-1	767	673	877.4843	875.9879	AAL95367.1 Acetate kinase							
					575	1055	842.8342	1055.0000								
FN1172	0.469	18.661	7.401e-4	1.293e-3	704	397	805.4093	516.7418	AAL95368.1 Phosphate acetyltransferase							
					484	578	709.4465	578.0000								
FN1179									AAL95375.1 ATP-dependent RNA helicase							
						6		6.0000								
FN1180									AAL95376.1 Hypothetical protein							
						7		7.0000								
FN1181	0.388	12.335	1.265e-2	4.632e-2	81	42	92.6678	54.6679	AAL95377.1 unknown							
					49	71	71.8241	71.0000								
FN1182									AAL95378.1 Hypothetical protein							
						6		6.0000								
FN1183	-1.245	6.511	9.701e-3	3.377e-2	7	8	8.0083	10.4129	AAL95379.1 Hypothetical cytosolic protein							
					3	19	4.3974	19.0000								
FN1185	0.090	10.073	7.936e-2	3.729e-1	31	22	35.4655	28.6356	AAL95381.1 SIR2 family protein							
					22	35	32.2476	35.0000								
FN1186	-3.890	13.521	1.311e-5	4.501e-6	30	308	34.3214	400.8979	AAL95382.1 Amidohydrolase							
					15	434	21.9870	434.0000								
FN1187	-1.126	11.721	1.251e-2	4.572e-2	38	85	43.4738	110.6374	AAL95383.1 Amino acid-binding protein							
					24	61	35.1792	61.0000								
FN1188	-1.000	12.418	2.38e-4	2.799e-4	53	87	60.6345	113.2406	AAL95384.1 Hypothetical protein							
					30	96	43.9740	96.0000								
FN1189	-0.244	11.706	6.726e-2	3.104e-1	48	59	54.9143	76.7954	AAL95385.1 Hypothetical protein							
					35	49	51.3030	49.0000								
FN1190	-0.874	13.976	1.307e-5	4.48e-6	87	135	99.5321	175.7182	AAL95386.1 Probable cadmium-transporting ATPase							
					60	168	87.9479	168.0000								
FN1191	-2.540	11.001	3.237e-3	8.446e-3	20	104	22.8809	135.3681	AAL95387.1 unknown							
					10	83	14.6580	83.0000								
FN1192	0.022	18.859	1.68e-1	8.733e-1	642	451	734.4784	587.0291	AAL95388.1 unknown							
					447	782	655.2120	782.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1198	-1.312	10.670	5.405e-5	3.859e-5	23	47	26.3131	61.1760	AAL95394.1 Transporter							
					17	66	24.9186	66.0000								
FN1200	-4.391	11.975	5.214e-4	7.921e-4	5	253	5.7202	329.3090	AAL95396.1 Hypothetical protein							
					15	252	21.9870	252.0000								
FN1201									AAL95397.1 unknown							
						7		7.0000								
FN1202	-0.662	8.674	3.534e-2	1.502e-1	14	26	16.0167	33.8420	AAL95398.1 NH(3)-dependent NAD(+) synthetase							
					11	17	16.1238	17.0000								
FN1203									AAL95399.1 GTP-binding protein							
						10		13.0162								
FN1204									AAL95400.1 Methyltransferase							
						8		8.0000								
FN1205	0.378	11.953	5.801e-2	2.633e-1	55	58	62.9226	75.4938	AAL95401.1 Protease							
					55	35	80.6189	35.0000								
FN1208	-1.571	6.604			5		5.7202		AAL95404.1 1-deoxyxylulose-5-phosphate synthase							
						17		17.0000								
FN1209	1.393	10.365	1.062e-2	3.767e-2	67	16	76.6512	20.8259	AAL95405.1 Hypothetical RNA binding protein							
					28	24	41.0424	24.0000								
FN1210	-0.214	10.820	1.025e-1	4.939e-1	28	45	32.0333	58.5727	AAL95406.1 Metal dependent hydrolase							
					32	33	46.9056	33.0000								
FN1211	0.274	7.827	1.073e-1	5.2e-1	20	8	22.8809	10.4129	AAL95407.1 Cell division protein ftsI							
					7	17	10.2606	17.0000								
FN1213	-0.364	11.542	5.795e-3	1.813e-2	47	46	53.7702	59.8744	AAL95409.1 Hypothetical protein							
					29	64	42.5082	64.0000								
FN1214					6		6.8643		AAL95410.1 Fe-S oxidoreductase							
					5		7.3290									
FN1216	-1.162	7.006	8.666e-3	2.956e-2	3	13	3.4321	16.9210	AAL95412.1 RRF2 family protein							
					8	17	11.7264	17.0000								
FN1217	-2.186	6.863	7.813e-4	1.393e-3	5	20	5.7202	26.0323	AAL95413.1 Holliday junction DNA helicase ruvB							
					3	20	4.3974	20.0000								
FN1218						13		16.9210	AAL95414.1 unknown							
						19		19.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1219	0.347	8.285	5.689e-2	2.576e-1	22	11	25.1690	14.3178	AAL95415.1 Hypothetical protein							
					10	17	14.6580	17.0000								
FN1220	-0.116	15.794	1.186e-1	5.823e-1	212	150	242.5380	195.2425	AAL95416.1 Cysteine synthase							
					147	301	215.4724	301.0000								
FN1221	-0.537	9.201	2.795e-2	1.15e-1	16	28	18.3048	36.4453	AAL95417.1 Hypothetical protein							
					15	22	21.9870	22.0000								
FN1222	1.553	6.197			9		10.2964		AAL95418.1 Hypothetical protein							
					13	5	19.0554	5.0000								
FN1223	1.749	11.492	7.912e-6	1.933e-6	90	25	102.9643	32.5404	AAL95419.1 Oxygen-insensitive NAD(P)H nitroreductase							
					64	26	93.8111	26.0000								
FN1224	0.376	12.987	2.757e-2	1.133e-1	100	47	114.4047	61.1760	AAL95420.1 2-dehydro-3-deoxyphosphooctonate aldolase							
					62	97	90.8795	97.0000								
FN1225	0.773	13.837	6.241e-4	1.028e-3	147	60	168.1750	78.0970	AAL95421.1 UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase							
					101	107	148.0457	107.0000								
FN1226	-1.139	14.343	4.941e-3	1.48e-2	84	195	96.1000	253.8152	AAL95422.1 Uracil-DNA glycosylase							
					67	174	98.2085	174.0000								
FN1230					62		70.9309		AAL95426.1 Hypothetical cytosolic protein							
					37		54.2345									
FN1231	-0.584	19.529	3.977e-5	2.495e-5	592	788	677.2760	1025.6739	AAL95427.1 Inosine-5'-monophosphate dehydrogenase							
					507	1104	743.1599	1104.0000								
FN1233									AAL95429.1 Putative NAD(P)H oxidoreductase							
						6		6.0000								
FN1234	-1.350	7.435			8		9.1524		AAL95430.1 Hypothetical protein							
					5	21	7.3290	21.0000								
FN1235	-1.215	8.682	5.925e-3	1.866e-2	13	29	14.8726	37.7469	AAL95431.1 Ankyrin repeat proteins							
					8	24	11.7264	24.0000								
FN1237	-2.143	11.997	3.259e-4	4.31e-4	25	112	28.6012	145.7811	AAL95433.1 Choline kinase							
					22	123	32.2476	123.0000								
FN1238									AAL95434.1 Hypothetical protein							
						4		4.0000								
FN1240	0.515	6.090	1.651e-2	6.312e-2	7	6	8.0083	7.8097	AAL95436.1 Lipopolysaccharide core biosynthesis protein rfaY							
					8	6	11.7264	6.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1241						8		10.4129	AAL95437.1 polysaccharide biosynthesis protein							
						12		12.0000								
FN1242	-2.040	7.380	2.034e-5	9.613e-6	6	21	6.8643	27.3339	AAL95438.1 Polysaccharide deacetylase							
					4	25	5.8632	25.0000								
FN1243	-0.706	6.584	4.124e-5	2.651e-5	7	10	8.0083	13.0162	AAL95439.1 Glycosyl transferase							
					5	12	7.3290	12.0000								
FN1244	-2.025	7.437	1.644e-3	3.627e-3	5	17	5.7202	22.1275	AAL95440.1 Polysaccharide deacetylase							
					5	31	7.3290	31.0000								
FN1245						6		7.8097	AAL95441.1 Glycosyl transferase							
						7		7.0000								
FN1246	-2.093	6.366				15		19.5242	AAL95442.1 Lipooligosaccharide cholinephosphotransferase							
					3	18	4.3974	18.0000								
FN1247	-2.017	8.189	4.351e-3	1.25e-2	11	19	12.5845	24.7307	AAL95443.1 LOS biosynthesis enzyme LBGB							
					3	44	4.3974	44.0000								
FN1250	0.308	9.122	3.567e-2	1.518e-1	19	18	21.7369	23.4291	AAL95446.1 Guanine-hypoxanthine permease							
					21	19	30.7818	19.0000								
FN1251	-0.152	6.757	1.525e-1	7.785e-1	7	13	8.0083	16.9210	AAL95447.1 High-affinity iron permease							
					8	5	11.7264	5.0000								
FN1252	0.785	18.058	1.531e-3	3.314e-3	667	361	763.0796	469.8836	AAL95448.1 34 kDa membrane antigen precursor							
					415	326	608.3064	326.0000								
FN1253	0.452	16.068	4.431e-3	1.282e-2	240	186	274.5714	242.1007	AAL95449.1 unknown							
					231	206	338.5995	206.0000								
FN1254	1.056	12.894	2.61e-4	3.21e-4	120	53	137.2857	68.9857	AAL95450.1 Oxygen-insensitive NAD(P)H nitroreductase							
					78	52	114.3323	52.0000								
FN1256									AAL95452.1 C4-dicarboxylate transporter large subunit							
					3		4.3974									
FN1258	0.294	19.935	2.606e-3	6.457e-3	987	741	1129.1747	964.4979	AAL95454.1 C4-dicarboxylate-binding protein							
					742	844	1087.6226	844.0000								
FN1259									AAL95455.1 hypothetical protein							
						9		9.0000								
FN1260					3		3.4321		AAL95456.1 Sensory Transduction Protein Kinase							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1262						21		27.3339	AAL95458.1 Integral membrane protein							
						7		7.0000								
FN1263	-0.396	8.634	4.722e-3	1.395e-2	15	19	17.1607	24.7307	AAL95459.1 Cobalt chelatase							
					12	21	17.5896	21.0000								
FN1264	-0.424	7.631	2.497e-4	3.004e-4	11	12	12.5845	15.6194	AAL95460.1 Hypothetical protein							
					8	17	11.7264	17.0000								
FN1265	-0.294	12.574	4.543e-2	2e-1	49	76	56.0583	98.9229	AAL95461.1 Outer membrane protein							
					58	74	85.0163	74.0000								
FN1266	0.165	13.765	6.992e-2	3.243e-1	98	99	112.1166	128.8600	AAL95462.1 UTP--glucose-1-phosphate uridylyltransferase							
					94	94	137.7851	94.0000								
FN1267	0.005	10.122	1.85e-1	9.817e-1	29	32	33.1774	41.6517	AAL95463.1 Hypothetical protein							
					23	25	33.7134	25.0000								
FN1268	0.461	14.901	1.65e-4	1.688e-4	187	120	213.9369	156.1940	AAL95464.1 Methionyl-tRNA synthetase							
					134	142	196.4170	142.0000								
FN1269	-1.051	5.324				7		9.1113	AAL95465.1 Hypothetical lipoprotein							
					3		4.3974									
FN1270	4.116	11.216			177	9	202.4964	11.7145	AAL95466.1 Hypothetical cytosolic protein							
					139		203.7460									
FN1271	-0.039	11.411	1.637e-1	8.465e-1	49	49	56.0583	63.7792	AAL95467.1 Protease IV							
					32	42	46.9056	42.0000								
FN1273	-1.894	10.159	3.127e-7	2.423e-8	14	51	16.0167	66.3824	AAL95469.1 Outer membrane protein toIC							
					13	64	19.0554	64.0000								
FN1274	-0.494	8.478	8.989e-4	1.686e-3	15	16	17.1607	20.8259	AAL95470.1 Acriflavin resistance protein E							
					10	24	14.6580	24.0000								
FN1275	0.273	9.113	3.324e-2	1.4e-1	26	16	29.7452	20.8259	AAL95471.1 Acriflavin resistance protein B							
					15	22	21.9870	22.0000								
FN1276	-1.184	7.380	7.721e-4	1.37e-3	6	13	6.8643	16.9210	AAL95472.1 Hypothetical protein							
					7	22	10.2606	22.0000								
FN1277	-0.195	15.440	1.632e-2	6.224e-2	169	160	193.3440	208.2587	AAL95473.1 Aminoacyl-histidine dipeptidase							
					137	243	200.8144	243.0000								
FN1278	0.262	7.181							AAL95474.1 Acetyltransferase							
					9	11	13.1922	11.0000								

- Show detected proteins only
- Show all proteins

Filter by category:
GO: amino acid transport

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1279	0.154	11.326	2.489e-2	1.01e-1	46	40	52.6262	52.0647	AAL95475.1 Zinc metallohydrolase, glyoxalase II family							
					37	44	54.2345	44.0000								
FN1280	-2.752	10.660	5.523e-4	8.591e-4	13	89	14.8726	115.8439	AAL95476.1 Serine protease, V8 family							
					11	93	16.1238	93.0000								
FN1281						27		35.1436	AAL95477.1 Cysteine protease							
						35		35.0000								
FN1282	0.455	13.042	1.408e-3	2.984e-3	97	66	110.9726	85.9067	AAL95478.1 LSU ribosomal protein L17P							
					71	71	104.0717	71.0000								
FN1283	0.759	19.378	2.37e-3	5.732e-3	947	404	1083.4129	525.8531	AAL95479.1 DNA-directed RNA polymerase alpha chain							
					726	743	1064.1698	743.0000								
FN1284	0.852	18.160	1.686e-5	6.882e-6	628	324	718.4617	421.7238	AAL95480.1 SSU ribosomal protein S4P							
					502	384	735.8309	384.0000								
FN1285	2.590	11.582	1.366e-4	1.301e-4	112	17	128.1333	22.1275	AAL95481.1 SSU ribosomal protein S11P							
					98	23	143.6483	23.0000								
FN1286	0.259	13.472	4.274e-2	1.867e-1	118	66	134.9976	85.9067	AAL95482.1 SSU ribosomal protein S13P							
					67	109	98.2085	109.0000								
FN1287	-0.169	6.448	1.021e-1	4.92e-1	9	6	10.2964	7.8097	AAL95483.1 Bacterial Protein Translation Initiation Factor 1 (IF-1)							
					5	12	7.3290	12.0000								
FN1290	-0.547	7.552	4.987e-2	2.222e-1	7	17	8.0083	22.1275	AAL95486.1 Hypothetical protein							
					10	11	14.6580	11.0000								
FN1293	0.171	4.932				4		5.2065	AAL95489.1 Hypothetical protein							
						4	5.8632									
FN1296					10		11.4405		AAL95492.1 unknown							
					6		8.7948									
FN1297	0.712	10.659	2.065e-3	4.807e-3	40	26	45.7619	33.8420	AAL95493.1 Methionine aminopeptidase							
					39	29	57.1661	29.0000								
FN1298	0.982	12.121	1.02e-2	3.586e-2	64	53	73.2190	68.9857	AAL95494.1 Adenylate kinase							
					78	26	114.3323	26.0000								
FN1299						4		5.2065	AAL95495.1 dTDP-glucose 4,6-dehydratase							
						7		7.0000								
FN1301	0.846	12.124	3.104e-4	4.039e-4	72	42	82.3714	54.6679	AAL95497.1 ABC transporter ATP-binding protein							
					66	45	96.7427	45.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios				
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2
FN1302	2.453	15.969	4.184e-4	5.898e-4	566	81	647.5308	105.4309	AAL95498.1 Hypothetical protein					
					367	111	537.9481	111.0000						
FN1303	0.035	12.114	1.474e-1	7.479e-1	64	55	73.2190	71.5889	AAL95499.1 hypothetical cytosolic protein					
					42	60	61.5635	60.0000						
FN1304	0.391	14.171	1.726e-3	3.858e-3	145	87	165.8869	113.2406	AAL95500.1 Single-strand DNA binding protein					
					99	124	145.1141	124.0000						
FN1305	-0.427	10.319	8.954e-2	4.254e-1	18	46	20.5929	59.8744	AAL95501.1 Hypothetical cytosolic protein					
					28	23	41.0424	23.0000						
FN1306	-2.726	12.610	7.839e-4	1.4e-3	23	135	26.3131	175.7182	AAL95502.1 Methyltransferase					
					24	231	35.1792	231.0000						
FN1309	1.479	15.699	4.567e-5	3.076e-5	312	87	356.9428	113.2406	AAL95505.1 Hypothetical protein					
					282	163	413.3552	163.0000						
FN1313	0.157	12.363	1.121e-1	5.463e-1	84	58	96.1000	75.4938	AAL95509.1 Oligopeptide-binding protein oppA					
					39	62	57.1661	62.0000						
FN1315						6		7.8097	AAL95511.1 Hypothetical protein					
FN1317						8		10.4129	AAL95513.1 RNA polymerase sigma factor					
FN1318	0.683	9.707	7.783e-3	2.606e-2	32	22	36.6095	28.6356	AAL95514.1 RNA polymerase sigma factor rpoD					
					25	17	36.6450	17.0000						
FN1319	-1.487	7.683	2.276e-2	9.15e-2	6	10	6.8643	13.0162	AAL95515.1 DNA primase					
					7	35	10.2606	35.0000						
FN1320	0.526	15.632	7.282e-3	2.398e-2	205	168	234.5297	218.6716	AAL95516.1 Peptidyl-prolyl cis-trans isomerase					
					209	157	306.3519	157.0000						
FN1321	-0.279	20.089	2.344e-2	9.448e-2	969	849	1108.5819	1105.0725	AAL95517.1 Acetoacetate metabolism regulatory protein atoC					
					552	1221	809.1208	1221.0000						
FN1322	-1.832	6.864			5	19	5.7202	24.7307	AAL95518.1 Membrane metalloprotease					
						16		16.0000						
FN1323	0.328	6.105	5.967e-2	2.716e-1	6	6	6.8643	7.8097	AAL95519.1 Thymidylate kinase					
					8	7	11.7264	7.0000						
FN1324	-1.111	10.021	8.493e-4	1.568e-3	14	39	16.0167	50.7630	AAL95520.1 1-deoxy-D-xylulose 5-phosphate reductoisomerase					
					19	44	27.8502	44.0000						

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1326	0.552	6.166			7	7	10.2606	7.0000	AAL95522.1 Undecaprenyl pyrophosphate synthetase							
FN1327	-0.820	7.208			8	11	9.1524	14.3178	AAL95523.1 Dimethylallyltransferase							
FN1328					4		4.5762		AAL95524.1 Exodeoxyribonuclease VII small subunit							
FN1330									AAL95526.1 S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
FN1331					14		16.0167		AAL95527.1 Methyltransferase							
FN1332	0.896	10.911	6.166e-4	1.009e-3	47	21	53.7702	27.3339	AAL95528.1 Bacterial Peptide Chain Release Factor 1 (RF-1)							
FN1333						7		9.1113	AAL95529.1 Hypothetical protein							
FN1334	1.170	6.389			12	4	13.7286	5.2065	AAL95530.1 N-acetylmuramoyl-L-alanine amidase							
FN1335	2.490	13.519	1.696e-3	3.778e-3	176	18	201.3523	23.4291	AAL95531.1 Protein translocase subunit YajC							
FN1336									AAL95532.1 Hypothetical protein							
FN1337	-0.028	5.586			6		6.8643		AAL95533.1 unknown							
FN1340	0.751	16.700	6.195e-4	1.016e-3	403	173	461.0511	225.1797	AAL95536.1 Glutamyl-tRNA synthetase							
FN1341	0.869	7.842	9.887e-3	3.455e-2	14	8	16.0167	10.4129	AAL95537.1 Bacterial Peptide Chain Release Factor 2 (RF-2)							
FN1343									AAL95539.1 seC-independent protein TATD							
FN1345									AAL95541.1 2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate hydrolase							
FN1346									AAL95542.1 Hypothetical cytosolic protein							

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

Proteins found:
 1344

Enter (or paste) list of ORFs

Test	Cutoff
q-Value	.005
p-Value	

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

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1347	0.867	6.378	5.785e-4	9.184e-4	10	5	11.4405	6.5081	AAL95543.1 Hypothetical cytosolic protein							
					9	7	13.1922	7.0000								
FN1348	-0.574	9.468	7.142e-2	3.322e-1	33	23	37.7536	29.9372	AAL95544.1 ABC transporter ATP-binding protein							
					4	35	5.8632	35.0000								
FN1349	-0.062	6.451			8	7	9.1524	9.1113	AAL95545.1 ABC transporter permease protein							
						10		10.0000								
FN1351	-0.670	10.134	7.207e-3	2.367e-2	17	35	19.4488	45.5566	AAL95547.1 15 kDa lipoprotein precursor							
						23	39	33.7134		39.0000						
FN1352	0.283	11.727	1.938e-2	7.597e-2	61	35	69.7869	45.5566	AAL95548.1 ABC transporter ATP-binding protein							
						40	60	58.6319		60.0000						
FN1353	-0.371	7.316	5.968e-2	2.716e-1	13	9	14.8726	11.7145	AAL95549.1 ABC transporter permease protein							
						5	17	7.3290		17.0000						
FN1354	0.188	9.115	7.149e-2	3.325e-1	26	17	29.7452	22.1275	AAL95550.1 ABC transporter permease protein							
						14	22	20.5212		22.0000						
FN1355					3		3.4321		AAL95551.1 Integral membrane protein							
FN1358	0.128	10.572	1.125e-1	5.481e-1	38	22	43.4738	28.6356	AAL95554.1 Hypothetical protein							
						26	46	38.1108		46.0000						
FN1359	-3.061	16.354	1.608e-3	3.526e-3	97	760	110.9726	989.2286	AAL95555.1 Dipeptide-binding protein							
						61	683	89.4137		683.0000						
FN1362						76		98.9229	AAL95558.1 Dipeptide transport ATP-binding protein dppD							
						82		82.0000								
FN1363	-3.984	8.662	7.381e-4	1.288e-3	5	70	5.7202	91.1132	AAL95559.1 Dipeptide transport ATP-binding protein dppF							
						3	69	4.3974		69.0000						
FN1364					54		61.7786		AAL95560.1 LSU ribosomal protein L32P							
						43		63.0293								
FN1365	0.059	15.494	1.367e-1	6.849e-1	186	136	212.7928	177.0199	AAL95561.1 GTP-binding protein							
						154	244	225.7330		244.0000						
FN1366	1.709	15.755	1.438e-5	5.293e-6	350	83	400.4166	108.0342	AAL95562.1 Triosephosphate isomerase							
						307	152	450.0002		152.0000						
FN1368									AAL95564.1 COMF operon protein 3							
						4		4.0000								

Show detected proteins only

Show all proteins

Filter by category:

GO: amino acid transport

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1371						5		5.0000	AAL95567.1 Ribonuclease HII							
FN1373						5		5.0000	AAL95569.1 regulatory protein							
FN1374	0.364	6.364			9		10.2964		AAL95570.1 Transcriptional regulator							
FN1375	-0.775	10.249	1.654e-2	6.324e-2	21	44	24.0250	57.2711	AAL95571.1 Citrate-sodium symport							
					20	34	29.3160	34.0000								
FN1376	-1.704	18.409	3.514e-3	9.385e-3	319	647	364.9511	842.1459	AAL95572.1 Oxaloacetate decarboxylase alpha chain							
					197	1288	288.7623	1288.0000								
FN1377						9		11.7145	AAL95573.1 CITG protein							
FN1378	0.068	9.747			23	22	26.3131	28.6356	AAL95574.1 Citrate lyase acyl carrier protein							
					23		33.7134									
FN1379	-1.098	16.327	2.599e-5	1.329e-5	185	328	211.6488	426.9302	AAL95575.1 Citrate lyase beta chain							
					123	412	180.2932	412.0000								
FN1380	-0.871	18.404	1.935e-2	7.586e-2	359	431	410.7130	560.9967	AAL95576.1 Citrate lyase beta chain							
					314	1032	460.2608	1032.0000								
FN1381					3			4.3974	AAL95577.1 unknown							
FN1382						7		7.0000	AAL95578.1 ATPase							
FN1383	-2.143	5.701			3	11	3.4321	14.3178	AAL95579.1 DNA polymerase III alpha subunit							
						16		16.0000								
FN1385						4		5.2065	AAL95581.1 Hypothetical protein							
						17		17.0000								
FN1386	-0.788	8.713	1.139e-2	4.104e-2	17	16	19.4488	20.8259	AAL95582.1 SWF/SNF family helicase							
					8	33	11.7264	33.0000								
FN1391	0.441	10.980	2.531e-2	1.029e-1	39	37	44.6178	48.1598	AAL95584.1 Acetyltransferase							
					41	29	60.0977	29.0000								
FN1392	1.640	13.674	9.612e-5	8.249e-5	185	48	211.6488	62.4776	AAL95585.1 SSU ribosomal protein S16P							
					131	67	192.0196	67.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1393	-0.400	10.520	1.032e-2	3.637e-2	25	30	28.6012	39.0485	AAL95586.1 Signal recognition particle, subunit FFH/SRP54							
					26	49	38.1108	49.0000								
FN1397	1.517	12.981	2.961e-3	7.552e-3	157	44	179.6154	57.2711	AAL95590.1 Glutaminase							
					85	49	124.5929	49.0000								
FN1398	2.140	13.100	2.006e-7	1.127e-8	171	34	195.6321	44.2550	AAL95591.1 Amino acid carrier protein alsT							
					135	45	197.8828	45.0000								
FN1399									AAL95592.1 Hypothetical cytosolic protein							
						3		3.0000								
FN1400									AAL95593.1 serine/threonine kinase							
					7		10.2606									
FN1406	-0.294	12.198	1.098e-2	3.923e-2	48	59	54.9143	76.7954	AAL95599.1 Histidine ammonia-lyase							
					47	75	68.8925	75.0000								
FN1407	-0.828	9.272	3.635e-2	1.551e-1	7	34	8.0083	44.2550	AAL95600.1 Glutamate formiminotransferase							
					20	22	29.3160	22.0000								
FN1411	-2.016	17.207	1.444e-4	1.406e-4	210	594	240.2499	773.1602	AAL95604.1 Threonine dehydratase							
					100	791	146.5799	791.0000								
FN1412									AAL95605.1 5-methylthioribose kinase							
						6		7.8097								
FN1413	-0.221	3.779							AAL95606.1 Translation initiation factor EIF-2B subunit 1							
					3		3.4321									
FN1415									AAL95608.1 NADH-dependent butanol dehydrogenase A							
						13		13.0000								
FN1416	0.339	4.339							AAL95609.1 Transcriptional regulator, GntR family							
					5		5.7202									
FN1417	-0.807	5.839							AAL95610.1 L-fucose phosphate aldolase							
					3	4	4.3974	4.0000								
FN1418									AAL95611.1 Transcriptional regulator, GntR family							
						5	10	5.7202		13.0162						
FN1419	-0.389	23.078	3.057e-2	1.273e-1	2312	2104	2645.0375	2738.6012	AAL95612.1 Methionine gamma-lyase							
					1743	4072	2554.8870	4072.0000								
FN1420									AAL95613.1 NA+/H+ antiporter NHAC							
					14		16.0167									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1421	-0.388	21.141	1.186e-5	3.823e-6	1134	1356	1297.3497	1764.9921	AAL95614.1 Pyruvate-flavodoxin oxidoreductase							
					929	1714	1361.7269	1714.0000								
FN1423	-0.043	15.872	1.138e-1	5.554e-1	227	186	259.6988	242.1007	AAL95616.1 Flavoprotein							
					152	255	222.8014	255.0000								
FN1424	-0.164	17.884	7.677e-2	3.597e-1	478	362	546.8546	471.1852	AAL95617.1 ACYL-COA dehydrogenase, short-chain specific							
					261	570	382.5734	570.0000								
FN1426	-0.819	15.789	9.156e-4	1.726e-3	130	232	148.7262	301.9750	AAL95619.1 Serine protease							
					143	330	209.6092	330.0000								
FN1427					6		6.8643		AAL95620.1 Phenazine biosynthesis protein phzF							
					4		5.8632									
FN1432	2.819	6.819			25		28.6012		AAL95625.1 Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein							
					19	4	27.8502	4.0000								
FN1433	0.859	16.060	1.59e-3	3.476e-3	336	150	384.3999	195.2425	AAL95626.1 Short chain dehydrogenase							
					218	193	319.5441	193.0000								
FN1434	-0.590	13.843	5.628e-4	8.827e-4	92	114	105.2524	148.3843	AAL95627.1 Tetratricopeptide repeat family protein							
					63	149	92.3453	149.0000								
FN1437	1.182	13.312	1.097e-3	2.193e-3	117	56	133.8535	72.8905	AAL95630.1 LSU ribosomal protein L28P							
					116	61	170.0326	61.0000								
FN1439	1.874	8.183	2.529e-3	6.227e-3	34	6	38.8976	7.8097	AAL95632.1 Transcriptional regulator, DeoR family							
					18	10	26.3844	10.0000								
FN1440	1.337	9.961	1.364e-3	2.869e-3	48	9	54.9143	11.7145	AAL95633.1 1-phosphofructokinase							
					31	28	45.4398	28.0000								
FN1441	0.270	14.298	1.316e-2	4.852e-2	129	111	147.5821	144.4794	AAL95634.1 PTS system, fructose-specific IIABC component							
					112	114	164.1694	114.0000								
FN1444	0.054	17.275	1.14e-1	5.564e-1	375	274	429.0178	356.6429	AAL95637.1 GMP synthase (glutamine-hydrolyzing)							
					261	425	382.5734	425.0000								
FN1445	1.199	9.100	9.208e-6	2.511e-6	30	13	34.3214	16.9210	AAL95638.1 DNA helicase							
					25	14	36.6450	14.0000								
FN1448									AAL95641.1 Hypothetical cytosolic protein							
						4		4.0000								
FN1449	3.275	12.524	2.129e-3	4.994e-3	165	21	188.7678	27.3339	AAL95642.1 Fusobacterium outer membrane protein family							
					197	22	288.7623	22.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1450	-1.635	8.842			11	29	12.5845	37.7469	AAL95643.1 Integral membrane protein							
					8		11.7264									
FN1451	-0.949	15.265	1.036e-4	9.063e-5	110	204	125.8452	265.5298	AAL95644.1 Cell division protein ftsZ							
					109	286	159.7720	286.0000								
FN1452	-0.977	13.505	2.168e-4	2.45e-4	78	108	89.2357	140.5746	AAL95645.1 Cell division protein ftsA							
					44	162	64.4951	162.0000								
FN1454	0.287	9.481	1.131e-1	5.516e-1	26	8	29.7452	10.4129	AAL95647.1 D-alanine--D-alanine ligase							
					20	38	29.3160	38.0000								
FN1455	-0.498	8.134	3.193e-2	1.337e-1	8	16	9.1524	20.8259	AAL95648.1 UDP-N-acetylenolpyruvoylglucosamine reductase							
					13	19	19.0554	19.0000								
FN1456	-0.332	11.712	1.046e-2	3.699e-2	39	53	44.6178	68.9857	AAL95649.1 UDP-N-acetylmuramate--alanine ligase							
					40	61	58.6319	61.0000								
FN1457	-1.085	10.262	1.183e-2	4.286e-2	19	50	21.7369	65.0808	AAL95650.1 UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-							
					18	37	26.3844	37.0000								
FN1458	-0.481	11.529	2.93e-2	1.213e-1	42	38	48.0500	49.4614	AAL95651.1 UDP-N-acetylmuramoylalanine--D-glutamate ligase							
					30	79	43.9740	79.0000								
FN1461	-0.068	8.745	1.704e-1	8.883e-1	20	8	22.8809	10.4129	AAL95654.1 Histidinol-phosphatase							
					12	32	17.5896	32.0000								
FN1462						3		3.9048	AAL95655.1 Transcriptional regulator, GntR family							
FN1463	0.238	17.657	9.733e-4	1.869e-3	448	332	512.5332	432.1367	AAL95656.1 pyridoxine biosynthesis protein							
					324	405	474.9187	405.0000								
FN1464	-1.262	15.882	8.35e-6	2.115e-6	125	302	143.0059	393.0882	AAL95657.1 1-deoxyxylulose-5-phosphate synthase							
					119	368	174.4300	368.0000								
FN1470	4.001	8.617	2.536e-4	3.074e-4	63	3	72.0750	3.9048	AAL95663.1 Hypothetical protein							
					59	6	86.4821	6.0000								
FN1471	0.533	4.499			5	3	5.7202	3.9048	AAL95664.1 LACI-family transcription regulator							
						4		4.0000								
FN1472	2.200	11.564	1.217e-7	4.607e-9	105	21	120.1250	27.3339	AAL95665.1 N-acetylneuraminate-binding protein							
					79	24	115.7981	24.0000								
FN1475	3.394	10.037			103		117.8369		AAL95668.1 N-acetylneuraminate lyase							
					63	10	92.3453	10.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1476					11		12.5845		AAL95669.1 N-acetylmannosamine-6-phosphate 2-epimerase							
					9		13.1922									
FN1478	-0.659	8.102				16		20.8259	AAL95671.1 Hypothetical protein							
					9		13.1922									
FN1479	-0.050	9.109	1.613e-1	8.319e-1	25	16	28.6012	20.8259	AAL95672.1 Hypothetical protein							
					12	27	17.5896	27.0000								
FN1480	-2.243	7.997	3.816e-5	2.332e-5	9	25	10.2964	32.5404	AAL95673.1 MG2+ transporter MGTE							
					3	37	4.3974	37.0000								
FN1481	-1.121	5.509			4	3	4.5762	3.9048	AAL95674.1 Queuine tRNA-ribosyltransferase							
						16		16.0000								
FN1482	-2.395	10.891	8.523e-4	1.576e-3	14	66	16.0167	85.9067	AAL95675.1 Guanosine-3',5'-bis(Diphosphate) 3'-pyrophosphohydrolase							
					15	114	21.9870	114.0000								
FN1483	1.321	10.557	9.241e-6	2.527e-6	56	17	64.0667	22.1275	AAL95676.1 Adenine phosphoribosyltransferase							
					40	27	58.6319	27.0000								
FN1484	0.116	5.969	1.375e-1	6.898e-1	8	4	9.1524	5.2065	AAL95677.1 Tetratricopeptide repeat family protein							
					5	10	7.3290	10.0000								
FN1485									AAL95678.1 Transporter							
						4		4.0000								
FN1486	0.017	4.661			5		5.7202		AAL95679.1 magnesium and cobalt efflux protein CorC							
					3	5	4.3974	5.0000								
FN1487	0.453	14.703	2.011e-2	7.932e-2	197	110	225.3773	143.1778	AAL95681.1 Chorismate mutase							
					107	136	156.8405	136.0000								
FN1488	-0.320	7.855			11		12.5845		AAL95682.1 Methylenetetrahydrofolate dehydrogenase (NADP+)							
					10	17	14.6580	17.0000								
FN1489	-1.407	7.710	2.615e-3	6.485e-3	4	17	4.5762	22.1275	AAL95683.1 Methionyl-tRNA formyltransferase							
					9	25	13.1922	25.0000								
FN1490	-2.020	8.023			7	33	8.0083	42.9533	AAL95684.1 putative regulatory protein							
						22		22.0000								
FN1491						15		19.5242	AAL95685.1 PTS system, IIA component							
						17		17.0000								
FN1492									AAL95686.1 DNA repair protein recO							
						4		4.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1493						5		6.5081	AAL95687.1 Hypothetical protein							
						5		5.0000								
FN1494	0.492	7.386	2.162e-2	8.641e-2	14	6	16.0167	7.8097	AAL95680.1 Rod shape-determining protein mreC							
					10	14	14.6580	14.0000								
FN1496	0.492	7.386	2.162e-2	8.641e-2	14	6	16.0167	7.8097	AAL95680.1 Rod shape-determining protein mreC							
					10	14	14.6580	14.0000								
FN1499	2.421	11.593	8.024e-4	1.446e-3	98	20	112.1166	26.0323	AAL93625.1 Cell surface protein							
					99	22	145.1141	22.0000								
FN1501									AAL93627.1 Nickel transport ATP-binding protein nikD							
					3		4.3974									
FN1504	-0.001	13.807	1.875e-1	9.983e-1	117	121	133.8535	157.4956	AAL93630.1 Nickel-binding protein							
					72	82	105.5375	82.0000								
FN1505	-0.313	15.185	1.25e-2	4.571e-2	158	183	180.7595	238.1958	AAL93631.1 6,7-dimethyl-8-ribityllumazine synthase							
					113	192	165.6352	192.0000								
FN1506	1.242	7.582			18		20.5929		AAL93632.1 Diaminohydroxyphosphoribosylaminopyrimidine deaminase							
					15	9	21.9870	9.0000								
FN1507									AAL93633.1 Riboflavin synthase alpha chain							
						8		8.0000								
FN1508	1.190	13.143	2.274e-3	5.431e-3	123	33	140.7178	42.9533	AAL93634.1 GTP cyclohydrolase II							
					100	83	146.5799	83.0000								
FN1512					3		3.4321		AAL93638.1 hypothetical exported 24-amino acid repeat protein							
					3		4.3974									
FN1517	0.717	15.358	4.067e-5	2.59e-5	235	115	268.8511	149.6859	AAL93643.1 Leucyl-tRNA synthetase							
					175	170	256.5148	170.0000								
FN1518									AAL93644.1 RNA polymerase sigma-H factor							
						6		6.0000								
FN1519	0.452	8.942	2.137e-3	5.019e-3	21	13	24.0250	16.9210	AAL93645.1 23S rRNA methyltransferase							
					19	21	27.8502	21.0000								
FN1520	1.873	12.087	3.96e-4	5.496e-4	122	23	139.5738	29.9372	AAL93646.1 UDP-N-acetylglucosamine 1-carboxyvinyltransferase							
					77	39	112.8665	39.0000								
FN1523	1.706	14.503	1.385e-5	4.947e-6	253	72	289.4440	93.7164	AAL93649.1 Dipeptide-binding protein							
					178	75	260.9122	75.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1525					6		8.7948		AAL93651.1 Dipeptide transport ATP-binding protein dppF							
FN1526	1.911	19.903	4.134e-4	5.808e-4	1491	332	1705.7746	432.1367	AAL93652.1 Fusobacterium outer membrane protein family							
FN1527	2.156	11.778	2.965e-4	3.802e-4	97	17	110.9726	22.1275	AAL93653.1 Hypothetical protein							
FN1528	1.030	12.745	3.81e-3	1.044e-2	84	33	96.1000	42.9533	AAL93654.1 Hypothetical protein							
FN1529	2.305	10.397	2.849e-3	7.201e-3	53	20	60.6345	26.0323	AAL93655.1 Hypothetical protein							
FN1531	-0.110	11.514	1.356e-1	6.788e-1	59	41	67.4988	53.3663	AAL93657.1 murein hydrolase export regulator							
FN1533	0.849	18.575	1.527e-4	1.522e-4	744	329	851.1712	428.2318	AAL93659.1 Electron transfer flavoprotein alpha-subunit							
FN1534	0.149	19.624	1.102e-2	3.942e-2	868	651	993.0331	847.3524	AAL93660.1 Electron transfer flavoprotein beta-subunit							
FN1535	-0.225	21.166	3.56e-2	1.514e-1	1208	1107	1382.0092	1440.8895	AAL93661.1 Acyl-CoA dehydrogenase, short-chain specific							
FN1536	-1.018	19.518	3.619e-3	9.751e-3	539	806	616.6415	1049.1029	AAL93662.1 (S)-2-hydroxy-acid oxidase chain D							
FN1537									AAL93663.1 Arsenical pump-driving ATPase							
FN1538	-1.367	8.095			9	17	10.2964	22.1275	AAL93664.1 Arsenical pump-driving ATPase							
FN1539	0.000	15.351	1.875e-1	9.985e-1	187	162	213.9369	210.8619	AAL93665.1 Iron-sulfur cluster-binding protein							
FN1540	-1.518	16.012	7.272e-5	5.677e-5	122	355	139.5738	462.0739	AAL93666.1 Iron-sulfur cluster-binding protein							
FN1544	-1.629	16.905	3.492e-4	4.696e-4	156	428	178.4714	557.0919	AAL93670.1 Probable electron transfer flavoprotein-quinone oxidoreductase ydiS							
FN1545	-0.558	9.924	5.84e-3	1.832e-2	18	32	20.5929	41.6517	AAL93671.1 Ferredoxin like protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1546	0.061	21.076	7.716e-2	3.617e-1	1330	1041	1521.5830	1354.9828	AAL93672.1 Protein Translation Elongation Factor G (EF-G)							
					1034	1557	1515.6358	1557.0000								
FN1547	0.547	14.320	3.02e-4	3.895e-4	151	95	172.7512	123.6536	AAL93673.1 PTS permease for N-acetylglucosamine and glucose							
					118	113	172.9642	113.0000								
FN1548	0.847	10.823	2.627e-2	1.073e-1	37	38	42.3298	49.4614	AAL93674.1 Hypothetical protein							
					49	14	71.8241	14.0000								
FN1549	0.597	19.887	7.166e-3	2.351e-2	1019	750	1165.7843	976.2124	AAL93675.1 Stomatin like protein							
					857	625	1256.1894	625.0000								
FN1552									AAL93678.1 abortive phage resistance protein							
						9		9.0000								
FN1553	0.105	9.025	1.563e-1	8.012e-1	26	10	29.7452	13.0162	AAL93679.1 abortive phage resistance protein							
					12	31	17.5896	31.0000								
FN1554	0.386	15.521	2.281e-2	9.171e-2	195	114	223.0892	148.3843	AAL93680.1 Fusobacterium outer membrane protein family							
					186	231	272.6385	231.0000								
FN1555	0.422	24.514	3.167e-5	1.753e-5	5050	3291	5777.4392	4283.6201	AAL93681.1 Protein Translation Elongation Factor Tu							
					3790	4174	5555.3767	4174.0000								
FN1556	1.439	19.980	9.46e-5	8.076e-5	1392	372	1592.5139	484.2014	AAL93682.1 Protein Translation Elongation Factor G (EF-G)							
					1199	751	1757.4925	751.0000								
FN1557	1.540	15.860	1.154e-4	1.039e-4	381	113	435.8820	147.0827	AAL93683.1 SSU ribosomal protein S7P							
					270	139	395.7656	139.0000								
FN1558									AAL93684.1 SSU ribosomal protein S12P							
					83		121.6613									
FN1560	-1.383	14.767	9.93e-6	2.895e-6	86	200	98.3881	260.3233	AAL93686.1 unknown							
					74	279	108.4691	279.0000								
FN1562	-1.406	6.438			5	11	5.7202	14.3178	AAL93688.1 Phospho-2-dehydro-3-deoxyheptonate aldolase							
						16		16.0000								
FN1576									AAL93691.1 ATPases and helicase subunits involved in DNA replication							
						5		6.5081								
FN1577	-1.213	16.089	2.63e-4	3.247e-4	152	325	173.8952	423.0254	AAL93692.1 Rod shape-determining protein mreB							
					118	381	172.9642	381.0000								
FN1579	-0.718	12.817	1.064e-3	2.105e-3	62	76	70.9309	98.9229	AAL93694.1 CysteinyI-tRNA synthetase							
					42	119	61.5635	119.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1580						3		3.0000	AAL93695.1 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase							
FN1581	-1.020	11.384	5.226e-3	1.589e-2	34	67	38.8976	87.2083	AAL93696.1 DNA mismatch repair protein mutS							
FN1582						12		15.6194	AAL93697.1 Hypothetical protein							
						30		30.0000								
FN1586						9		11.7145	AAL93701.1 O-succinylbenzoate-CoA synthase							
						9		9.0000								
FN1589	-0.478	9.546	2.575e-7	1.687e-8	20	25	22.8809	32.5404	AAL93704.1 LexA repressor							
						16	32	23.4528	32.0000							
FN1590						3		3.9048	AAL93705.1 Hypothetical lipoprotein							
						4		4.0000								
FN1591	0.390	15.478	1.912e-2	7.478e-2	202	173	231.0976	225.1797	AAL93706.1 RNFB-related protein							
						176	148	257.9806	148.0000							
FN1592	1.552	6.722							AAL93707.1 Na(+)-translocating NADH-quinone reductase subunit D							
						12	6	17.5896	6.0000							
FN1594	1.586	11.842	4.133e-5	2.661e-5	90	23	102.9643	29.9372	AAL93709.1 Nitrogen fixation protein RNFG							
						73	40	107.0033	40.0000							
FN1595	0.832	14.394	1.055e-4	9.263e-5	177	76	202.4964	98.9229	AAL93710.1 Na(+)-translocating NADH-quinone reductase subunit B							
						129	121	189.0880	121.0000							
FN1596	1.183	18.578	2.504e-4	3.016e-4	748	359	855.7474	467.2803	AAL93711.1 Nitrogen fixation iron-sulphur protein RNFC							
						702	363	1028.9906	363.0000							
FN1597						4		4.5762	AAL93712.1 Peptidyl-tRNA hydrolase							
FN1600							5	6.5081	AAL93715.1 tRNA pseudouridine synthase A							
							7	7.0000								
FN1601							5	6.5081	AAL93716.1 Hypothetical cytosolic protein							
							12	12.0000								
FN1602									AAL93717.1 Hypothetical cytosolic protein							
						4		5.8632								
FN1603	0.688	5.094	4.226e-2	1.843e-1	4	4	4.5762	5.2065	AAL93718.1 2',3'-cyclic nucleotide 3'-phosphodiesterase							
						7	4	10.2606	4.0000							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1605	-0.227	16.382	1.356e-5	4.77e-6	239	240	273.4273	312.3880	AAL93720.1 Adenylosuccinate synthetase							
					182	320	266.7753	320.0000								
FN1606	-1.043	9.113	2.985e-4	3.836e-4	12	25	13.7286	32.5404	AAL93721.1 3-deoxy-D-manno-octulosonic-acid transferase							
					13	35	19.0554	35.0000								
FN1607	-0.734	7.838				10		13.0162	AAL93722.1 Cytidylate kinase							
					8	26	11.7264	26.0000								
FN1608						7		9.1113	AAL93723.1 Ribosomal protein L11 methyltransferase							
						9		9.0000								
FN1609	0.040	4.349			4	3	4.5762	3.9048	AAL93724.1 Hypothetical protein							
						5		5.0000								
FN1610	-1.349	9.036	1.228e-5	4.038e-6	11	27	12.5845	35.1436	AAL93725.1 33 kDa chaperonin							
					11	38	16.1238	38.0000								
FN1613	0.174	8.672	1.115e-1	5.429e-1	17	10	19.4488	13.0162	AAL93728.1 Hypothetical protein							
					16	25	23.4528	25.0000								
FN1614	0.395	8.451	5.26e-3	1.603e-2	17	12	19.4488	15.6194	AAL93729.1 MG(2+) chelatase family protein							
					16	17	23.4528	17.0000								
FN1616	2.355	9.525			74		84.6595		AAL93731.1 N utilization substance protein B							
					26	12	38.1108	12.0000								
FN1618	0.001	11.496	1.87e-1	9.948e-1	44	38	50.3381	49.4614	AAL93733.1 Hypothetical protein							
					39	58	57.1661	58.0000								
FN1619	0.716	16.400	6.592e-3	2.122e-2	282	129	322.6214	167.9085	AAL93734.1 Hypothetical cytosolic protein							
					294	291	430.9448	291.0000								
FN1620	0.955	17.983	4.72e-5	3.227e-5	624	296	713.8856	385.2785	AAL93735.1 SSU ribosomal protein S2P							
					480	346	703.5833	346.0000								
FN1621	1.508	19.702	1.141e-3	2.309e-3	1181	379	1351.1199	493.3127	AAL93736.1 Protein Translation Elongation Factor Ts							
					1203	602	1763.3557	602.0000								
FN1622	1.127	14.655	3.045e-3	7.82e-3	224	51	256.2666	66.3824	AAL93737.1 Uridylate kinase							
					149	151	218.4040	151.0000								
FN1623	2.164	10.409	3.734e-6	6.834e-7	66	16	75.5071	20.8259	AAL93738.1 Ribosome Recycling Factor (RRF)							
					55	14	80.6189	14.0000								
FN1624	1.969	10.465			66		75.5071		AAL93739.1 Protein translocase subunit secY							
					50	19	73.2899	19.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1625	0.865	13.221	6.324e-5	4.749e-5	114	59	130.4214	76.7954	AAL93740.1 LSU ribosomal protein L15P							
					91	68	133.3877	68.0000								
FN1626	3.416	8.060			51		58.3464		AAL93741.1 LSU ribosomal protein L30P							
					33	5	48.3714	5.0000								
FN1627	1.537	17.562	4.071e-3	1.141e-2	791	184	904.9415	239.4974	AAL93742.1 SSU ribosomal protein S5P							
					405	277	593.6484	277.0000								
FN1628	3.952	11.883			242	12	276.8595	15.6194	AAL93743.1 LSU ribosomal protein L18P							
					141		206.6776									
FN1629	0.485	15.761	4.258e-3	1.213e-2	217	167	248.2583	217.3700	AAL93744.1 LSU ribosomal protein L6P							
					211	181	309.2835	181.0000								
FN1630	1.312	13.560	1.543e-2	5.831e-2	204	58	233.3857	75.4938	AAL93745.1 SSU ribosomal protein S8P							
					77	64	112.8665	64.0000								
FN1631	3.112	7.043			27	3	30.8893	3.9048	AAL93746.1 SSU ribosomal protein S14P							
					25		36.6450									
FN1632	0.663	16.499	9.545e-4	1.822e-3	326	208	372.9594	270.7362	AAL93747.1 LSU ribosomal protein L5P							
					268	213	392.8340	213.0000								
FN1634	1.575	9.737			51	13	58.3464	16.9210	AAL93749.1 LSU ribosomal protein L24P							
					29		42.5082									
FN1635	3.003	10.102	1.381e-3	2.914e-3	68	8	77.7952	10.4129	AAL93750.1 LSU ribosomal protein L14P							
					75	13	109.9349	13.0000								
FN1636	-0.998	11.537	5.464e-4	8.462e-4	29	60	33.1774	78.0970	AAL93751.1 SSU ribosomal protein S17P							
					30	76	43.9740	76.0000								
FN1637					34		38.8976		AAL93752.1 LSU ribosomal protein L29P							
					31		45.4398									
FN1638	3.360	13.433	1.988e-8	3.763e-10	292	22	334.0618	28.6356	AAL93753.1 LSU ribosomal protein L16P							
					232	37	340.0653	37.0000								
FN1639	1.360	19.260	1.117e-3	2.248e-3	1241	355	1419.7628	462.0739	AAL93754.1 SSU ribosomal protein S3P							
					763	527	1118.4043	527.0000								
FN1640	3.707	14.280	8.917e-4	1.669e-3	380	30	434.7380	39.0485	AAL93755.1 LSU ribosomal protein L22P							
					399	39	584.8536	39.0000								
FN1641	3.790	12.264	8.772e-5	7.307e-5	246	9	281.4357	11.7145	AAL93756.1 SSU ribosomal protein S19P							
					164	26	240.3910	26.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1642	0.455	15.741	5.236e-3	1.593e-2	233	175	266.5630	227.7829	AAL93757.1 LSU ribosomal protein L2P							
					192	172	281.4333	172.0000								
FN1643	1.505	11.806	9.626e-6	2.727e-6	84	30	96.1000	39.0485	AAL93758.1 LSU ribosomal protein L23P							
					72	32	105.5375	32.0000								
FN1644	0.626	20.263	2.405e-5	1.199e-5	1202	721	1375.1449	938.4655	AAL93759.1 LSU ribosomal protein L1E							
					963	867	1411.5641	867.0000								
FN1645	3.258	16.412	5.771e-5	4.215e-5	764	76	874.0522	98.9229	AAL93760.1 LSU ribosomal protein L3P							
					650	92	952.7691	92.0000								
FN1646	1.022	14.483	2.781e-3	6.99e-3	163	84	186.4797	109.3358	AAL93761.1 SSU ribosomal protein S10P							
					167	103	244.7884	103.0000								
FN1647	2.174	15.936	1.044e-3	2.05e-3	530	82	606.3451	106.7326	AAL93762.1 Hypothetical protein							
					312	129	457.3292	129.0000								
FN1652	0.445	12.827	1.013e-3	1.971e-3	88	60	100.6762	78.0970	AAL93767.1 Oligopeptide-binding protein oppA							
					67	68	98.2085	68.0000								
FN1654	-1.656	12.293	2.333e-5	1.151e-5	39	98	44.6178	127.5584	AAL93769.1 Hypothetical protein							
					24	124	35.1792	124.0000								
FN1655	-2.095	12.936	7.488e-3	2.483e-2	39	96	44.6178	124.9552	AAL93770.1 Hypothetical cytosolic protein							
					28	241	41.0424	241.0000								
FN1656					21		24.0250		AAL93771.1 SSU ribosomal protein S18P							
					27		39.5766									
FN1657	0.463	12.009	4.037e-3	1.128e-2	60	41	68.6428	53.3663	AAL93772.1 SSU ribosomal protein S6P							
					56	56	82.0847	56.0000								
FN1658	0.888	14.810	1.659e-4	1.699e-4	189	90	216.2250	117.1455	AAL93773.1 Prolyl-tRNA synthetase							
					167	132	244.7884	132.0000								
FN1660								5.0000	AAL93775.1 ATP-dependent DNA helicase recG							
FN1661	1.229	10.064	4.444e-4	6.38e-4	44	19	50.3381	24.7307	AAL93776.1 Hypothetical cytosolic protein							
					34	18	49.8372	18.0000								
FN1662	-0.563	10.324	6.141e-3	1.949e-2	31	30	35.4655	39.0485	AAL93777.1 Hypothetical protein							
					16	48	23.4528	48.0000								
FN1663	1.003	7.720	5.653e-3	1.756e-2	18	5	20.5929	6.5081	AAL93778.1 Hypothetical protein							
					14	14	20.5212	14.0000								

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

Proteins found:
 1344

Enter (or paste) list of ORFs

Test Cutoff

 .005

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1667						3		3.0000	AAL93782.1 dTDP-glucose 4,6-dehydratase							
FN1668						3		3.0000	AAL93783.1 Cholinephosphate cytidyltransferase							
FN1670	-0.252	9.763	5.485e-2	2.474e-1	28	21	32.0333	27.3339	AAL93785.1 Choline kinase							
FN1676						3		3.0000	AAL93791.1 Transposase							
FN1679	-0.622	17.766	2.498e-4	3.005e-4	354	423	404.9928	550.5838	AAL93794.1 LPS biosynthesis protein WbpG							
FN1683	0.343	11.442	7.21e-2	3.357e-1	68	42	77.7952	54.6679	AAL93798.1 Acetyltransferase							
FN1684	0.626	16.464	5.469e-3	1.683e-2	311	146	355.7987	190.0360	AAL93799.1 N-acetylneuraminate synthase							
FN1685	0.185	11.704	1.554e-2	5.879e-2	50	41	57.2024	53.3663	AAL93800.1 dTDP-4-dehydrorhamnose reductase							
FN1686	0.052	15.894	1.496e-1	7.61e-1	256	168	292.8761	218.6716	AAL93801.1 Spore coat polysaccharide biosynthesis protein spsF							
FN1687	0.302	15.375	3.05e-2	1.269e-1	222	117	253.9785	152.2891	AAL93802.1 Gluconate 5-dehydrogenase							
FN1688	1.180	12.300	2.947e-4	3.771e-4	92	31	105.2524	40.3501	AAL93803.1 Oxidoreductase							
FN1689	1.095	17.218	1.834e-4	1.941e-4	494	226	565.1594	294.1653	AAL93804.1 UDP-N-acetylglucosamine 4,6-dehydratase							
FN1690	-0.743	10.046	5.163e-3	1.566e-2	26	27	29.7452	35.1436	AAL93805.1 Hypothetical protein							
FN1692	-0.106	11.186	1.502e-1	7.645e-1	57	37	65.2107	48.1598	AAL93807.1 Glycosyl transferase							
FN1693	0.730	7.817	1.56e-2	5.904e-2	21	11	24.0250	14.3178	AAL93808.1 Hypothetical protein							
FN1694	1.307	12.090	2.917e-5	1.558e-5	88	33	100.6762	42.9533	AAL93809.1 UDP-N-acetyl-D-quinovosamine 4-epimerase							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1695	1.111	9.736	1.35e-3	2.833e-3	43	19	49.1940	24.7307	AAL93810.1 Probable quinovosaminephosphotransferae							
					25	15	36.6450	15.0000								
FN1696	-0.387	15.295	3.749e-3	1.021e-2	163	161	186.4797	209.5603	AAL93811.1 UDP-N-acetylglucosamine 4,6-dehydratase							
					112	249	164.1694	249.0000								
FN1697	-0.430	13.373	4.397e-3	1.269e-2	68	100	77.7952	130.1617	AAL93812.1 Hypothetical protein							
					68	109	99.6743	109.0000								
FN1698	-1.310	14.499	5.128e-5	3.6e-5	78	183	89.2357	238.1958	AAL93813.1 dTDP-4-dehydrorhamnose reductase							
					71	241	104.0717	241.0000								
FN1700						3		3.9048	AAL93815.1 Hypothetical protein							
FN1701	-1.038	10.946	1.166e-3	2.371e-3	26	44	29.7452	57.2711	AAL93816.1 ABC transporter ATP-binding protein							
					22	70	32.2476	70.0000								
FN1703	-0.907	13.890	1.637e-3	3.608e-3	74	144	84.6595	187.4328	AAL93818.1 ADP-L-glycero-D-manno-heptose-6-epimerase							
					65	150	95.2769	150.0000								
FN1704	-0.700	6.703			7	10	8.0083	13.0162	AAL93819.1 Serine protease							
						13		13.0000								
FN1708	0.145	18.177	1.074e-3	2.131e-3	488	406	558.2951	528.4563	AAL93823.1 Polyribonucleotide nucleotidyltransferase							
					400	507	586.3194	507.0000								
FN1711					3		3.4321		AAL93826.1 Methyltransferase							
					3		4.3974									
FN1713						14		18.2226	AAL93828.1 tRNA (Uracil-5-) - methyltransferase							
						20		20.0000								
FN1715						9		11.7145	AAL93830.1 ATPase							
						9		9.0000								
FN1716						5		5.0000	AAL93831.1 Hypothetical protein							
FN1717	0.071	7.697	1.593e-1	8.197e-1	13	7	14.8726	9.1113	AAL93832.1 NAD-dependent DNA ligase							
					10	19	14.6580	19.0000								
FN1718	0.131	17.212	1.109e-2	3.973e-2	372	284	425.5856	369.6591	AAL93833.1 Protein translocase subunit secA							
					266	375	389.9024	375.0000								
FN1719	-0.707	16.963	6.007e-3	1.898e-2	261	405	298.5964	527.1547	AAL93834.1 Hypothetical protein							
					178	386	260.9122	386.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
 1344

Enter (or paste) list of ORFs

Test
Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1722						3		3.9048	AAL93837.1 Glucose inhibited division protein B							
						4		4.0000								
FN1723	0.386	12.797	1.054e-2	3.733e-2	93	65	106.3964	84.6051	AAL93838.1 Glucose inhibited division protein A							
					59	63	86.4821	63.0000								
FN1724	-1.586	8.096	2.555e-2	1.04e-1	9	11	10.2964	14.3178	AAL93839.1 Potassium uptake protein KtrA							
					6	43	8.7948	43.0000								
FN1727	-0.318	5.086			4	5	4.5762	6.5081	AAL93842.1 Chloride channel protein							
					4		5.8632									
FN1728	-0.573	5.985	1.109e-3	2.227e-3	5	8	5.7202	10.4129	AAL93843.1 Pyrrolidone-carboxylate peptidase							
					5	9	7.3290	9.0000								
FN1730	-1.565	7.838				20		26.0323	AAL93845.1 Para-aminobenzoate synthase component I							
					6	26	8.7948	26.0000								
FN1731	1.407	6.982			16	6	18.3048	7.8097	AAL93846.1 Anthranilate synthase component II							
						6		6.0000								
FN1732	-1.486	10.431	6.47e-4	1.081e-3	26	41	29.7452	53.3663	AAL93847.1 Hypothetical protein							
					10	71	14.6580	71.0000								
FN1733						9		11.7145	AAL93848.1 V-type sodium ATP synthase subunit D							
						22		22.0000								
FN1734	-0.453	14.675	6.476e-3	2.077e-2	102	151	116.6928	196.5441	AAL93849.1 V-type sodium ATP synthase subunit B							
					109	182	159.7720	182.0000								
FN1735	-2.255	13.388	7.896e-5	6.329e-5	38	184	43.4738	239.4974	AAL93850.1 V-type sodium ATP synthase subunit A							
					35	213	51.3030	213.0000								
FN1736	-2.650	9.033	1.827e-5	7.893e-6	7	42	8.0083	54.6679	AAL93851.1 V-type sodium ATP synthase subunit A							
					7	60	10.2606	60.0000								
FN1737						12		15.6194	AAL93852.1 V-type sodium ATP synthase subunit G							
						16		16.0000								
FN1738	-2.531	10.361	1.929e-4	2.079e-4	11	61	12.5845	79.3986	AAL93853.1 V-type sodium ATP synthase subunit C							
					12	95	17.5896	95.0000								
FN1739	1.565	6.969			17	5	19.4488	6.5081	AAL93854.1 V-type sodium ATP synthase subunit E							
					13		19.0554									
FN1740									AAL93855.1 V-type sodium ATP synthase subunit K							
						114		114.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1741	-2.249	8.187	3.242e-7	2.611e-8	6	28	6.8643	36.4453	AAL93856.1 V-type sodium ATP synthase subunit I							
					6	38	8.7948	38.0000								
FN1745	-1.390	7.823	8.096e-4	1.464e-3	6	19	6.8643	24.7307	AAL93860.1 Cystathionine gamma-synthase							
					8	24	11.7264	24.0000								
FN1746						8		10.4129	AAL93861.1 Cystathionine beta-lyase							
						15		15.0000								
FN1752					3		3.4321		AAL93867.1 Regulatory protein TENI							
FN1762						4		5.2065	AAL93875.1 Protein yaaA							
FN1763	-2.251	9.999				55		71.5889	AAL93876.1 Hypothetical cytosolic protein							
					10	68	14.6580	68.0000								
FN1764	-1.186	24.584	2.024e-7	1.149e-8	2954	5881	3379.5159	7654.8070	AAL93877.1 Enolase							
					2231	7477	3270.1967	7477.0000								
FN1765	0.041	18.838	1.158e-1	5.666e-1	563	535	644.0987	696.3649	AAL93878.1 Pyruvate kinase							
					508	653	744.6257	653.0000								
FN1780	1.150	8.735	1.46e-3	3.122e-3	23	9	26.3131	11.7145	AAL93879.1 Hypothetical protein							
					24	16	35.1792	16.0000								
FN1781	0.095	18.183	5.114e-2	2.286e-1	496	374	567.4475	486.8046	AAL93880.1 LytB protein							
					382	569	559.9351	569.0000								
FN1783						8		8.0000	AAL93882.1 Ethanolamine utilization protein eutJ							
FN1784	-1.616	7.363				13		16.9210	AAL93883.1 unknown							
					5	28	7.3290	28.0000								
FN1785	1.746	9.425			25	11	28.6012	14.3178	AAL93884.1 Hypothetical protein							
					46		67.4267									
FN1786	0.549	11.463	6.926e-4	1.182e-3	56	36	64.0667	46.8582	AAL93885.1 ADP-heptose synthase							
					44	41	64.4951	41.0000								
FN1787	1.323	9.137			40		45.7619		AAL93886.1 Tetratricopeptide repeat family protein							
					20	15	29.3160	15.0000								
FN1788	0.638	8.890	6.02e-3	1.903e-2	27	13	30.8893	16.9210	AAL93887.1 2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase							
					16	18	23.4528	18.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1790	-2.203	8.995	1.027e-2	3.619e-2	12	23	13.7286	29.9372	AAL93889.1 Cob(I)alamin adenosyltransferase							
					5	67	7.3290	67.0000								
FN1791									AAL93890.1 Mutator MutT protein							
FN1792	2.306	24.232	4.189e-5	2.723e-5	8681	1257	9931.4752	1636.1320	AAL93891.1 Hypothetical protein							
					6695	2356	9813.5217	2356.0000								
FN1793	-1.272	14.641	7.563e-5	5.977e-5	85	201	97.2440	261.6249	AAL93892.1 Phosphoenolpyruvate-protein phosphotransferase							
					74	235	108.4691	235.0000								
FN1794	1.814	12.863	2.338e-3	5.629e-3	110	50	125.8452	65.0808	AAL93893.1 Phosphocarrier protein HPr							
					135	27	197.8828	27.0000								
FN1795									AAL93894.1 Hypothetical protein							
FN1796									AAL93895.1 unknown							
FN1797	-1.268	11.275	1.183e-3	2.414e-3	33	68	37.7536	88.5099	AAL93896.1 Spermidine/putrescine transport ATP-binding protein potA							
					18	66	26.3844	66.0000								
FN1798	-0.219	5.558	9.413e-3	3.258e-2	6	6	6.8643	7.8097	AAL93897.1 Spermidine/putrescine transport system permease protein potB							
					4	7	5.8632	7.0000								
FN1800	-0.269	15.271	4.052e-2	1.758e-1	177	141	202.4964	183.5279	AAL93899.1 Peptidyl-prolyl cis-trans isomerase							
					109	253	159.7720	253.0000								
FN1801	-1.701	7.704			7	20	8.0083	26.0323	AAL93900.1 Sodium/glutamate symport carrier protein							
FN1803	1.345	7.962			22	6	25.1690	7.8097	AAL93902.1 Transcriptional regulator, TetR family							
FN1804									AAL93903.1 Aminoacyl-histidine dipeptidase							
FN1807	1.109	16.659	1.354e-4	1.286e-4	407	186	465.6273	242.1007	AAL93906.1 Hypothetical protein							
					327	196	479.3161	196.0000								
FN1808	2.154	8.084			30	6	34.3214	7.8097	AAL93907.1 Hypothetical protein							
					24		35.1792									
FN1809	0.705	8.891	8.761e-3	2.993e-2	23	17	26.3131	22.1275	AAL93908.1 Iron/zinc/copper-binding protein							
					20	12	29.3160	12.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1811	0.589	9.072	2.171e-2	8.683e-2	19	16	21.7369	20.8259	AAL93910.1 Manganese transport system ATP-binding protein mntA							
					24	17	35.1792	17.0000								
FN1812	1.579	12.225	6.106e-4	9.948e-4	95	30	108.6845	39.0485	AAL93911.1 Manganese-binding protein							
					89	41	130.4561	41.0000								
FN1813	1.152	7.295	7.008e-6	1.596e-6	16	6	18.3048	7.8097	AAL93912.1 Manganese-binding protein							
					13	9	19.0554	9.0000								
FN1814	0.423	7.184			18	8	20.5929	10.4129	AAL93913.1 Hypothetical protein							
					5		7.3290									
FN1816	-1.868	7.746			7		8.0083		AAL93915.1 unknown							
					5	28	7.3290	28.0000								
FN1817	0.908	6.078			12		13.7286		AAL93916.1 Hemolysin							
					6	6	8.7948	6.0000								
FN1825					10		11.4405		AAL93924.1 Hypothetical protein							
					7		10.2606									
FN1826	0.705	10.903	1.813e-4	1.911e-4	49	25	56.0583	32.5404	AAL93925.1 Protease							
					38	36	55.7003	36.0000								
FN1827	-1.457	11.802	6.894e-4	1.175e-3	31	83	35.4655	108.0342	AAL93926.1 Replicative DNA helicase							
					25	90	36.6450	90.0000								
FN1828	0.327	10.700	1.534e-2	5.792e-2	35	26	40.0417	33.8420	AAL93927.1 LSU ribosomal protein L9P							
					35	39	51.3030	39.0000								
FN1830	-1.796	10.007	3.083e-3	7.944e-3	16	55	18.3048	71.5889	AAL93929.1 DNA polymerase III subunits gamma and tau							
					11	48	16.1238	48.0000								
FN1831	-1.561	12.336	2.961e-4	3.795e-4	45	93	51.4821	121.0503	AAL93930.1 Nitrogen assimilation regulatory protein							
					22	126	32.2476	126.0000								
FN1832	-0.771	5.159			4	6	4.5762	7.8097	AAL93931.1 TonB protein							
FN1833					24		27.4571		AAL93932.1 Biopolymer transport exbD protein							
					15		21.9870									
FN1834	0.636	9.903	4.62e-3	1.356e-2	29	22	33.1774	28.6356	AAL93933.1 Biopolymer transport exbB protein							
					30	21	43.9740	21.0000								
FN1836	0.556	12.323	9.94e-4	1.922e-3	80	40	91.5238	52.0647	AAL93935.1 Tetratricopeptide repeat family protein							
					56	66	82.0847	66.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1838					11		12.5845		AAL93937.1 Glycerol uptake facilitator protein							
FN1839	-1.429	18.508	3.099e-3	7.996e-3	284	914	324.9095	1189.6775	AAL93938.1 Glycerol kinase							
					286	814	419.2184	814.0000								
FN1840	0.451	12.937	7.111e-7	7.961e-8	90	58	102.9643	75.4938	AAL93939.1 Dihydroxyacetone kinase							
					71	76	104.0717	76.0000								
FN1841	0.611	7.356	1.443e-2	5.393e-2	11	9	12.5845	11.7145	AAL93940.1 Dihydroxyacetone kinase							
					13	9	19.0554	9.0000								
FN1842	0.941	10.664	1.201e-3	2.46e-3	54	17	61.7786	22.1275	AAL93941.1 Dihydroxyacetone kinase phosphotransfer protein							
					34	36	49.8372	36.0000								
FN1844						8		10.4129	AAL93943.1 Ketoacyl reductase hetN							
FN1847								16	AAL93946.1 DTDP-4-dehydrorhamnose 3,5-epimerase							
								23		23.0000						
FN1848					4		5.8632		AAL93947.1 Metal dependent hydrolase							
FN1849	-2.851	7.239			4	20	4.5762	26.0323	AAL93948.1 Coenzyme F390 synthetase							
								40.0000								
FN1850						25		32.5404	AAL93949.1 3-oxoacyl-[acyl-carrier-protein] synthase III							
								66.0000								
FN1851	-1.725	12.918	1.134e-4	1.016e-4	41	129	46.9059	167.9085	AAL93950.1 Ribonuclease PH							
					34	152	49.8372	152.0000								
FN1852	0.863	10.305	1.141e-2	4.112e-2	39	29	44.6178	37.7469	AAL93951.1 unknown							
					35	15	51.3030	15.0000								
FN1853	-0.862	6.274	6.623e-4	1.114e-3	5	9	5.7202	11.7145	AAL93952.1 Methylaspartate mutase							
					5	12	7.3290	12.0000								
FN1854	-0.229	10.175	7.205e-2	3.355e-1	28	22	32.0333	28.6356	AAL93953.1 Methylaspartate mutase							
					21	45	30.7818	45.0000								
FN1855						4		5.2065	AAL93954.1 Methylaspartate mutase							
								7.0000								
FN1856	-0.314	23.555	3.291e-2	1.384e-1	2988	2497	3418.4135	3250.1366	AAL93955.1 Butyrate-acetoacetate CoA-transferase subunit B							
					1963	4579	2877.3627	4579.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1857	-0.789	20.343	1.503e-4	1.488e-4	687	1208	785.9605	1572.3528	AAL93956.1 Acetoacetate: butyrate/acetate coenzyme A transferase							
					661	1459	968.8929	1459.0000								
FN1858					92		105.2524		AAL93957.1 Short-chain fatty acids transporter							
					95		139.2509									
FN1859	-3.063	24.001	3.561e-3	9.549e-3	1120	11444	1281.3330	14895.699 _n	AAL93958.1 Major outer membrane protein							
					1060	8794	1553.7465	8794.0000								
FN1860	0.744	10.028	1.785e-2	6.91e-2	27	23	30.8893	29.9372	AAL93959.1 NA+/H+ antiporter NHAC							
					36	20	52.7687	20.0000								
FN1862	1.252	14.940	9.526e-6	2.674e-6	249	82	284.8678	106.7326	AAL93961.1 L-beta-lysine 5,6-aminomutase beta subunit							
					179	123	262.3780	123.0000								
FN1863	1.383	17.094	5.912e-4	9.482e-4	483	183	552.5749	238.1958	AAL93962.1 L-beta-lysine 5,6-aminomutase alpha subunit							
					447	225	655.2120	225.0000								
FN1864	2.141	6.927	9.178e-5	7.761e-5	20	5	22.8809	6.5081	AAL93963.1 DNA mismatch repair protein mutS							
					16	4	23.4528	4.0000								
FN1865					3		3.4321		AAL93964.1 Hypothetical protein							
FN1866	0.850	20.632	3.986e-4	5.542e-4	1420	722	1624.5473	939.7672	AAL93965.1 Lysine 2,3-aminomutase							
					1227	959	1798.5349	959.0000								
FN1867	1.737	18.853	2.003e-4	2.19e-4	1165	281	1332.8152	365.7543	AAL93966.1 Zn-dependent alcohol dehydrogenases and related dehydrogenases							
					805	388	1179.9679	388.0000								
FN1868	1.333	13.850	3.369e-7	2.837e-8	168	60	192.2000	78.0970	AAL93967.1 Hypothetical cytosolic protein							
					132	75	193.4854	75.0000								
FN1869	1.065	14.174	1.298e-4	1.215e-4	167	63	191.0559	82.0018	AAL93968.1 Hypothetical protein							
					138	106	202.2802	106.0000								
FN1870					3		4.3974		AAL93969.1 unknown							
FN1872						5		5.0000	AAL93971.1 unknown							
FN1873	2.177	9.992	6.49e-4	1.085e-3	52	10	59.4905	13.0162	AAL93972.1 Bis(5'-nucleosyl)-tetraphosphatase							
					52	17	76.2215	17.0000								
FN1874	0.372	9.103	7.796e-3	2.612e-2	21	14	24.0250	18.2226	AAL93973.1 Ribose 5-phosphate isomerase							
					20	23	29.3160	23.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1875	-0.642	14.821	1.012e-3	1.968e-3	133	159	152.1583	206.9570	AAL93974.1 Peptidyl-prolyl cis-trans isomerase							
					82	218	120.1955	218.0000								
FN1877					7		8.0083		AAL93976.1 Guanine-hypoxanthine permease							
FN1878					5		5.7202		AAL93977.1 unknown							
FN1879					25		28.6012		AAL93978.1 SSU ribosomal protein S20P							
					23		33.7134									
FN1880	-0.985	12.674	2.301e-3	5.514e-3	62	101	70.9309	131.4633	AAL93979.1 Oxygen-insensitive NAD(P)H nitroreductase							
					30	96	43.9740	96.0000								
FN1881	-0.944	6.502			6	8	6.8643	10.4129	AAL93980.1 Esterase							
						16		16.0000								
FN1884					77		88.0916		AAL93983.1 unknown							
					97		142.1825									
FN1890					16		18.3048		AAL93989.1 Hypothetical protein							
					17		24.9186									
FN1891	-1.166	9.074	2.615e-4	3.219e-4	13	25	14.8726	32.5404	AAL93990.1 Glycerophosphoryl diester phosphodiesterase							
					11	37	16.1238	37.0000								
FN1893	-0.156	17.514	5.534e-2	2.499e-1	309	336	353.5106	437.3432	AAL93991.1 Fusobacterium outer membrane protein family							
					318	476	466.1240	476.0000								
FN1895					5		5.7202		AAL93994.1 Hypothetical protein							
FN1898	-0.554	11.271	1.264e-2	4.628e-2	32	38	36.6095	49.4614	AAL93997.1 Sugar transport ATP-binding protein							
					31	71	45.4398	71.0000								
FN1899	-1.058	15.333	1.374e-4	1.312e-4	109	230	124.7012	299.3718	AAL93998.1 Hypothetical lipoprotein							
					107	287	156.8405	287.0000								
FN1901						8		8.0000	AAL94000.1 Transcription regulator, CRP family							
FN1902	0.329	9.555	4.047e-2	1.755e-1	23	23	26.3131	29.9372	AAL94001.1 Deoxycytidylate deaminase							
					24	19	35.1792	19.0000								
FN1903					126		144.1500		AAL94002.1 Coenzyme A disulfide reductase/ disulfide bond regulator domain							
					105		153.9089									

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1905	-0.221	3.779			3		3.4321		AAL94004.1 outer membrane protein							
						4		4.0000								
FN1906	-0.905	17.654	2.89e-3	7.328e-3	320	408	366.0952	531.0596	AAL94005.1 Cytosol aminopeptidase							
					203	712	297.5571	712.0000								
FN1908	-0.917	16.369	6.053e-4	9.818e-4	192	330	219.6571	429.5335	AAL94007.1 Glycerophosphoryl diester phosphodiesterase							
					139	370	203.7460	370.0000								
FN1909	0.954	13.425	3.667e-4	4.989e-4	127	52	145.2940	67.6841	AAL94008.1 UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase							
					100	83	146.5799	83.0000								
FN1910	2.400	15.833	1.251e-5	4.166e-6	454	107	519.3975	139.2730	AAL94009.1 periplasmic protein							
					403	71	590.7168	71.0000								
FN1911	0.148	21.351	4.061e-2	1.762e-1	1561	1320	1785.8579	1718.1339	AAL94010.1 Outer membrane protein							
					1131	1389	1657.8182	1389.0000								
FN1912	-0.979	6.082				7		9.1113	AAL94011.1 Hypothetical protein							
					4	14	5.8632	14.0000								
FN1913	-0.270	11.814	8.888e-3	3.045e-2	43	49	49.1940	63.7792	AAL94012.1 hydrolase (HD superfamily)							
					41	68	60.0977	68.0000								
FN1914	-0.335	12.597	1.324e-2	4.887e-2	70	69	80.0833	89.8115	AAL94013.1 Anti-sigma F factor antagonist							
					41	87	60.0977	87.0000								
FN1917						10		13.0162	AAL94016.1 tRNA delta(2)-isopentenylpyrophosphate transferase							
FN1918	-0.038	13.056	1.471e-1	7.463e-1	90	73	102.9643	95.0180	AAL94017.1 SPO0B-associated GTP-binding protein							
					54	92	79.1531	92.0000								
FN1919	-0.124	6.296	1.559e-1	7.988e-1	11	5	12.5845	6.5081	AAL94018.1 Methyltransferase							
					3	12	4.3974	12.0000								
FN1920									AAL94019.1 tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase							
						4		4.0000								
FN1922	-0.215	6.488				8		10.4129	AAL94021.1 Hypothetical protein							
					6	10	8.7948	10.0000								
FN1923									AAL94022.1 Adenine-specific methyltransferase							
						3		3.0000								
FN1926	-0.135	12.450	6.65e-2	3.065e-1	71	59	81.2274	76.7954	AAL94025.1 Nitrogen regulatory IIA protein							
					42	80	61.5635	80.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios				
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2
FN1927	-2.197	14.935	2.101e-4	2.342e-4	74	272	84.6595	354.0397	AAL94026.1 DEGV protein					
					55	404	80.6189	404.0000						
FN1928	-0.245	8.229	1.09e-1	5.294e-1	15	9	17.1607	11.7145	AAL94027.1 Transcriptional regulator, MerR family					
					10	26	14.6580	26.0000						
FN1929	-1.513	11.200	7.144e-3	2.342e-2	22	46	25.1690	59.8744	AAL94028.1 Competence-damage protein cinA					
					22	104	32.2476	104.0000						
FN1931									AAL94030.1 Protease					
						13		13.0000						
FN1933	0.517	7.330	5.416e-2	2.44e-1	15	4	17.1607	5.2065	AAL94032.1 Hypothetical protein					
					9	16	13.1922	16.0000						
FN1935	-1.375	4.934			3	6	3.4321	7.8097	AAL94034.1 Adenine-specific methyltransferase					
						10		10.0000						
FN1939	0.061	7.221	1.685e-1	8.766e-1	9	13	10.2964	16.9210	AAL94038.1 Hypothetical protein					
					10	7	14.6580	7.0000						
FN1941	-2.187	15.656	1.467e-3	3.14e-3	99	314	113.2607	408.7076	AAL94040.1 ClpB protein					
					68	561	99.6743	561.0000						
FN1942									AAL94041.1 putative DNA-binding protein					
						4		4.0000						
FN1943	-2.014	21.791	6.105e-5	4.534e-5	828	2836	947.2712	3691.3846	AAL94042.1 Tryptophanase					
					647	3965	948.3717	3965.0000						
FN1948						10		13.0162	AAL94044.1 Hypothetical protein					
						6		6.0000						
FN1949	-3.915	8.189				52		67.6841	AAL94045.1 Xaa-Pro dipeptidase					
					3	65	4.3974	65.0000						
FN1950									AAL94046.1 Serine protease					
						4		5.8632						
FN1951									AAL94047.1 ATPase associated with chromosome architecture/replication					
						4		4.0000						
FN1956						10		13.0162	AAL94052.1 Hypothetical protein					
						13		13.0000						
FN1964	0.320	7.906	7.999e-2	3.761e-1	20	9	22.8809	11.7145	AAL94054.1 O-linked GLCNAC transferase					
					8	16	11.7264	16.0000						

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1965	0.108	11.026	1.362e-1	6.822e-1	47	43	53.7702	55.9695	AAL94055.1 Tetratricopeptide repeat family protein							
					28	32	41.0424	32.0000								
FN1966	-0.366	12.227	8.625e-3	2.939e-2	49	67	56.0583	87.2083	AAL94056.1 Hypothetical protein							
					45	70	65.9609	70.0000								
FN1970					14		16.0167		AAL94060.1 Hemin-binding periplasmic protein hmuT precursor							
FN1971	1.677	7.587	5.685e-4	8.956e-4	19	5	21.7369	6.5081	AAL94061.1 Hemin receptor							
					19	9	27.8502	9.0000								
FN1972	-1.209	9.164	2.551e-2	1.038e-1	16	16	18.3048	20.8259	AAL94062.1 unknown							
					9	52	13.1922	52.0000								
FN1973	1.685	13.567	1.902e-5	8.481e-6	166	56	189.9119	72.8905	AAL94063.1 Translation initiation inhibitor							
					140	50	205.2118	50.0000								
FN1974									AAL94064.1 DNA/RNA helicase (DEAD/DEAH BOX family)							
						7		7.0000								
FN1975	0.081	13.898	1.217e-1	5.996e-1	103	107	117.8369	139.2730	AAL94065.1 ATP-dependent RNA helicase							
					93	101	136.3193	101.0000								
FN1976	-1.613	10.618	9.677e-4	1.855e-3	14	62	16.0167	80.7002	AAL94066.1 4-amino-4-deoxychorismate lyase							
					20	58	29.3160	58.0000								
FN1977	-1.092	5.480			4	5	4.5762	6.5081	AAL94067.1 Cell cycle protein MesJ							
						13		13.0000								
FN1978	0.759	13.903	4.993e-4	7.463e-4	129	64	147.5821	83.3035	AAL94068.1 Cell division protein ftsH							
					119	107	174.4300	107.0000								
FN1979					204		233.3857		AAL94069.1 SSU ribosomal protein S15P							
					210		307.8177									
FN1980	-0.244	4.517				4		5.2065	AAL94070.1 Transporter							
					3		4.3974									
FN1983	1.642	17.302	4.642e-4	6.762e-4	564	186	645.2427	242.1007	AAL94073.1 Alkyl hydroperoxide reductase C22 protein							
					529	213	775.4075	213.0000								
FN1984	1.105	16.684	5.058e-4	7.595e-4	376	154	430.1618	200.4490	AAL94074.1 Thioredoxin reductase							
					356	242	521.8243	242.0000								
FN1985	-0.469	12.492	1.799e-3	4.055e-3	50	65	57.2024	84.6051	AAL94075.1 Inner membrane protein							
					49	94	71.8241	94.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN1986	0.089	15.805	1.387e-1	6.968e-1	234	222	267.7071	288.9589	AAL94076.1 Hypothetical protein							
					154	175	225.7330	175.0000								
FN1987	-0.246	4.924			5		5.7202		AAL94077.1 Transcriptional regulator, GntR family							
					3	6	4.3974	6.0000								
FN1988	-3.718	17.333	2.444e-3	5.965e-3	92	1391	105.2524	1810.5486	AAL94078.1 Tyrosine phenol-lyase							
					81	1137	118.7297	1137.0000								
FN1989						12		15.6194	AAL94079.1 Sodium-dependent tyrosine transporter							
						8		8.0000								
FN1991	0.158	17.211	2.173e-2	8.692e-2	349	260	399.2725	338.4203	AAL94081.1 Glucosamine-1-phosphate acetyltransferase							
					289	399	423.6158	399.0000								
FN1992	-0.918	16.269	3.882e-3	1.07e-2	173	340	197.9202	442.5496	AAL94082.1 Ribose-phosphate pyrophosphokinase							
					144	330	211.0750	330.0000								
FN1993	0.427	5.321				3		3.9048	AAL94083.1 SUA5 protein							
					5	7	7.3290	7.0000								
FN1994	0.911	10.173	3.862e-2	1.663e-1	43	35	49.1940	45.5566	AAL94084.1 Hypothetical protein							
					30	4	43.9740	4.0000								
FN1995					9		10.2964		AAL94085.1 Hypothetical protein							
					19		27.8502									
FN2001						18		23.4291	AAL94091.1 Hypothetical protein							
						19		19.0000								
FN2002						3		3.0000	AAL94092.1 Permease							
FN2007	0.028	5.454	1.798e-1	9.482e-1	4	7	4.5762	9.1113	AAL94097.1 Glutathione peroxidase							
					6	4	8.7948	4.0000								
FN2008						4		5.2065	AAL94098.1 Glycine betaine transport ATP-binding protein							
FN2009						6		7.8097	AAL94099.1 Glycine betaine transport system permease protein							
						8		8.0000								
FN2011	-0.192	13.809	1.261e-1	6.243e-1	87	60	99.5321	78.0970	AAL94101.1 Valyl-tRNA synthetase							
					85	178	124.5929	178.0000								
FN2013						5		6.5081	AAL94103.1 GTP-binding protein							
						6		6.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1344

Test Cutoff

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

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

Protein	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN2014	0.253	14.801	5.745e-3	1.793e-2	152	128	173.8952	166.6069	AAL94104.1 ATP-dependent protease La							
					133	143	194.9512	143.0000								
FN2015	-0.296	13.399	1.369e-2	5.077e-2	73	97	83.5155	126.2568	AAL94105.1 ATP-dependent clp protease ATP-binding subunit clpX							
					71	104	104.0717	104.0000								
FN2016	1.466	9.513	2.541e-4	3.084e-4	35	15	40.0417	19.5242	AAL94106.1 ATP-dependent Clp protease proteolytic subunit							
					34	13	49.8372	13.0000								
FN2017	1.230	18.442	8.06e-4	1.455e-3	711	273	813.4177	355.3413	AAL94107.1 Trigger factor, ppiase							
					692	424	1014.3326	424.0000								
FN2018	1.088	8.775	2.493e-4	2.997e-4	29	9	33.1774	11.7145	AAL94108.1 Single-stranded-DNA-specific exonuclease recJ							
					19	17	27.8502	17.0000								
FN2019	2.387	7.557			19		21.7369		AAL94109.1 Ribosome-binding factor A							
					28	6	41.0424	6.0000								
FN2020	-0.213	16.400	6.688e-2	3.084e-1	243	196	278.0035	255.1168	AAL94110.1 Bacterial Protein Translation Initiation Factor 2 (IF-2)							
					183	378	268.2411	378.0000								
FN2022	-0.172	12.823	3.686e-3	9.988e-3	71	72	81.2274	93.7164	AAL94112.1 N utilization substance protein A							
					54	87	79.1531	87.0000								
FN2023	-0.570	7.739	4.309e-3	1.233e-2	12	12	13.7286	15.6194	AAL94113.1 Hypothetical cytosolic protein							
					7	20	10.2606	20.0000								
FN2030	1.854	13.135	1.219e-4	1.117e-4	150	39	171.6071	50.7630	AAL94115.1 Inorganic pyrophosphatase							
					129	49	189.0880	49.0000								
FN2031	1.801	5.801			9		10.2964		AAL94116.1 Thiamine biosynthesis lipoprotein appE							
					12	4	17.5896	4.0000								
FN2033									AAL94118.1 Guanylate kinase							
						13		13.0000								
FN2034	1.273	9.117	4.011e-5	2.53e-5	32	11	36.6095	14.3178	AAL94119.1 Protein yicC							
					25	16	36.6450	16.0000								
FN2035	-0.121	18.040	4.997e-2	2.227e-1	418	453	478.2118	589.6323	AAL94120.1 DNA-directed RNA polymerase beta' chain							
					353	493	517.4269	493.0000								
FN2036	-0.151	17.382	1.088e-2	3.88e-2	327	318	374.1035	413.9141	AAL94121.1 DNA-directed RNA polymerase beta chain							
					280	457	410.4236	457.0000								
FN2037	3.228	21.788	1.093e-6	1.38e-7	4959	315	5673.3309	410.0092	AAL94122.1 LSU ribosomal protein L12P (L7/L12)							
					4077	833	5976.0609	833.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN2038	1.684	15.881	2.981e-9	3.763e-11	383	103	438.1701	134.0665	AAL94123.1 LSU ribosomal protein L10P							
					302	140	442.6712	140.0000								
FN2039	0.361	16.701	1.01e-2	3.546e-2	316	252	361.5190	328.0074	AAL94124.1 LSU ribosomal protein L1P							
					258	248	378.1760	248.0000								
FN2040	3.504	12.270	1.581e-4	1.596e-4	223	19	255.1226	24.7307	AAL94125.1 LSU ribosomal protein L11P							
					149	17	218.4040	17.0000								
FN2041	0.534	9.920	3.5e-3	9.337e-3	36	19	41.1857	24.7307	AAL94126.1 Transcription antitermination protein nusG							
					23	27	33.7134	27.0000								
FN2045						7		9.1113	AAL94129.1 Ferric uptake regulation protein							
						17		17.0000								
FN2046						16		20.8259	AAL94130.1 Acetyltransferase							
						14		14.0000								
FN2047	-0.075	13.911	1.179e-1	5.781e-1	91	92	104.1083	119.7487	AAL94131.1 Fusobacterium outer membrane protein family							
					94	135	137.7851	135.0000								
FN2048	-0.305	16.664	8.723e-2	4.134e-1	234	180	267.7071	234.2910	AAL94132.1 Outer membrane protein							
					213	482	312.2151	482.0000								
FN2049	-0.913	17.211	3.001e-5	1.622e-5	231	430	264.2749	559.6951	AAL94133.1 unknown							
					207	509	303.4203	509.0000								
FN2050	2.392	13.594	2.816e-3	7.096e-3	175	40	200.2083	52.0647	AAL94134.1 Hypothetical membrane-spanning protein							
					211	45	309.2835	45.0000								
FN2051	1.058	13.619	4.575e-3	1.338e-2	142	81	162.4547	105.4309	AAL94135.1 unknown							
					110	50	161.2378	50.0000								
FN2052	1.004	13.451	5.799e-3	1.815e-2	121	81	138.4297	105.4309	AAL94136.1 unknown							
					110	44	161.2378	44.0000								
FN2053	1.233	12.764	6.316e-4	1.045e-3	98	49	112.1166	63.7792	AAL94137.1 Serine/threonine sodium symporter							
					98	45	143.6483	45.0000								
FN2054	1.112	14.803	1.403e-5	5.063e-6	227	96	259.6988	124.9552	AAL94138.1 Glucose-6-phosphate isomerase							
					162	105	237.4594	105.0000								
FN2058	0.653	16.059	5.724e-4	9.045e-4	269	155	307.7487	201.7506	AAL94142.1 Fusobacterium outer membrane protein family							
					237	215	347.3943	215.0000								
FN2059	-0.305	16.664	8.723e-2	4.134e-1	234	180	267.7071	234.2910	AAL94143.1 Outer membrane protein							
					213	482	312.2151	482.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2	4	6
FN2060	-0.913	17.211	3.001e-5	1.622e-5	231	430	264.2749	559.6951	AAL94144.1 unknown							
					207	509	303.4203	509.0000								
FN2061	2.392	13.594	2.816e-3	7.096e-3	175	40	200.2083	52.0647	AAL94145.1 Hypothetical membrane-spanning protein							
					211	45	309.2835	45.0000								
FN2062	1.058	13.619	4.575e-3	1.338e-2	142	81	162.4547	105.4309	AAL94146.1 unknown							
					110	50	161.2378	50.0000								
FN2063	1.004	13.451	5.799e-3	1.815e-2	121	81	138.4297	105.4309	AAL94147.1 unknown							
					110	44	161.2378	44.0000								
FN2067	1.346	6.516			10		11.4405		AAL94151.1 Thiol:disulfide interchange protein tlpA							
					13	6	19.0554	6.0000								
FN2068	-2.132	6.520			4	7	4.5762	9.1113	AAL94152.1 dGTP triphosphohydrolase							
						31		31.0000								
FN2070	-1.507	5.895			4	10	4.5762	13.0162	AAL94154.1 Cobyric acid synthase							
						13		13.0000								
FN2073	-2.586	9.733	2.449e-3	5.982e-3	8	43	9.1524	55.9695	AAL94157.1 Adenine phosphoribosyltransferase							
					10	87	14.6580	87.0000								
FN2074									AAL94158.1 BsIIM							
					4		5.8632									
FN2075	0.841	9.292	1.359e-2	5.034e-2	24	8	27.4571	10.4129	AAL94159.1 Hypothetical protein							
					27	27	39.5766	27.0000								
FN2076									AAL94160.1 MunI regulatory protein							
					3		4.3974									
FN2078									AAL94162.1 Transcriptional regulator, DeoR family							
						8		8.0000								
FN2082	-0.188	21.158	8.588e-2	4.064e-1	1557	1156	1781.2817	1504.6687	AAL94166.1 Formate--tetrahydrofolate ligase							
					740	1761	1084.6910	1761.0000								
FN2093	1.127	8.734	7.759e-3	2.596e-2	20	13	22.8809	16.9210	AAL94177.1 General secretion pathway protein G							
					26	11	38.1108	11.0000								
FN2098	-1.688	5.246			3	7	3.4321	9.1113	AAL94182.1 MRP-family nucleotide-binding protein							
						13		13.0000								
FN2100	0.775	10.407	3.135e-5	1.727e-5	42	21	48.0500	27.3339	AAL94184.1 Hypothetical protein							
					33	29	48.3714	29.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

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	FnPgSg vs FnSg				Raw		Normalized		Description	Log ₂ Ratios				
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPgSg	FnSg	FnPgSg	FnSg		-6	-4	-2	0	2
FN2102	-1.324	8.022	3.408e-3	9.02e-3	5	20	5.7202	26.0323	AAL94186.1 ABC transporter ATP-binding protein					
					10	25	14.6580	25.0000						
FN2103	0.136	19.347	3.788e-2	1.626e-1	788	651	901.5093	847.3524	AAL94187.1 tricarboxylate-binding protein					
					553	711	810.5866	711.0000						
FN2105					12		13.7286		AAL94189.1 tricarboxylate transport membrane protein RctA					
					9		13.1922							
FN2106	0.194	13.947	7.47e-3	2.475e-2	112	96	128.1333	124.9552	AAL94190.1 Transporter					
					96	110	140.7167	110.0000						
FN2107	2.332	9.622	2.264e-6	3.328e-7	55	10	62.9226	13.0162	AAL94191.1 Galactokinase					
					43	12	63.0293	12.0000						
FN2108	0.954	9.436	3.829e-4	5.266e-4	32	16	36.6095	20.8259	AAL94192.1 Galactose-1-phosphate uridylyltransferase					
					25	17	36.6450	17.0000						
FN2109	0.359	11.889	8.152e-4	1.479e-3	63	39	72.0750	50.7630	AAL94193.1 UDP-glucose 4-epimerase					
					46	58	67.4267	58.0000						
FN2116	-0.874	6.286	3.594e-2	1.531e-1	5	13	5.7202	16.9210	AAL94200.1 Hypothetical exported 24-amino acid repeat protein					
					5	7	7.3290	7.0000						
FN2117									AAL94201.1 Hypothetical exported 24-amino acid repeat protein					
						9		9.0000						
FN2118	1.759	6.929			15		17.1607		AAL94202.1 Hypothetical exported 24-amino acid repeat protein					
					16	6	23.4528	6.0000						
FN2119	0.173	8.514	1.09e-1	5.294e-1	15	10	17.1607	13.0162	AAL94203.1 Hypothetical exported 24-amino acid repeat protein					
					16	23	23.4528	23.0000						
FN2121	2.905	10.309			91	10	104.1083	13.0162	AAL94205.1 Hypothetical exported 24-amino acid repeat protein					
					62		90.8795							
FN2122	-0.132	16.770	1.905e-2	7.448e-2	297	275	339.7821	357.9446	AAL94206.1 Phenylalanyl-tRNA synthetase beta chain					
					204	342	299.0229	342.0000						
FN2123	-0.766	12.973	1.906e-2	7.453e-2	60	66	68.6428	85.9067	AAL94207.1 Phenylalanyl-tRNA synthetase alpha chain					
					47	148	68.8925	148.0000						
FN2125	-0.204	12.238	7.585e-3	2.523e-2	53	57	60.6345	74.1921	AAL94209.1 DNA gyrase subunit A					
					47	75	68.8925	75.0000						
FN2126	1.802	11.286	7.438e-5	5.847e-5	85	15	97.2440	19.5242	AAL94210.1 DNA gyrase subunit B					
					61	34	89.4137	34.0000						

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1344

Test Cutoff

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