

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0001	-1.135	6.216	1e-1	2.195e-1	7	15	7.5124	20.5521	AAL94214.1  Chromosomal replication initiator protein dnaA							
					3	5	4.1251	5.0000								
FN0004	1.354	12.583			145		155.6134		AAL94217.1  Inner membrane protein							
					69	49	94.8764	49.0000								
FN0005	2.402	9.430	1.077e-4	9.734e-6	60	5	64.3917	6.8507	AAL94218.1  Jag protein							
					41	16	56.3758	16.0000								
FN0006	-0.797	7.988			11		11.8052		AAL94219.1  Thiophene and furan oxidation protein THDF							
					9	21	12.3752	21.0000								
FN0007	-0.200	6.476	1.591e-1	4.339e-1	10	6	10.7320	8.2208	AAL94220.1  Glucose inhibited division protein A							
					5	12	6.8751	12.0000								
FN0008									AAL94221.1  Quinolinate synthetase A							
						13		13.0000								
FN0009									AAL94222.1  L-aspartate oxidase							
						29		29.0000								
FN0018	0.731	9.778			34		36.4887		AAL94231.1  Hypothetical protein							
					29	23	39.8756	23.0000								
FN0019									AAL94232.1  Transcription-repair coupling factor							
					4		5.5001									
FN0022	-1.261	11.838	1.31e-1	3.315e-1	28	128	30.0495	175.3779	AAL94235.1  Hypothetical protein							
					35	12	48.1257	12.0000								
FN0023	0.322	7.241							AAL94236.1  Short-chain fatty acids transporter							
					10	11	13.7502	11.0000								
FN0024	0.902	8.830	3.244e-2	4.269e-2	30	6	32.1959	8.2208	AAL94237.1  Hypothetical exported 24-amino acid repeat protein							
					19	23	26.1254	23.0000								
FN0025	0.459	6.074							AAL94238.1  Hypothetical exported 24-amino acid repeat protein							
					7	7	9.6251	7.0000								
FN0026					40		42.9278		AAL94239.1  Hypothetical exported 24-amino acid repeat protein							
					20		27.5004									
FN0029					5		5.3660		AAL94242.1  Flavodoxin							
FN0030	-0.969	12.713	2.885e-2	3.595e-2	63	63	67.6113	86.3188	AAL94243.1  5-nitroimidazole antibiotic resistance protein							
					36	143	49.5007	143.0000								

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

Proteins found:  
1305

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	-	p-, q-Values

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0031	-1.429	8.250	8.203e-3	5.576e-3	7	25	7.5124	34.2535	AAL94244.1  unknown							
					10	23	13.7502	23.0000								
FN0033	-0.485	11.626	1.056e-1	2.401e-1	45	65	48.2938	89.0591	AAL94246.1  unknown							
					34	44	46.7507	44.0000								
FN0034	0.587	10.302	3.262e-2	4.304e-2	44	27	47.2206	36.9938	AAL94247.1  unknown							
					29	21	39.8756	21.0000								
FN0038						77		105.5008	AAL94251.1  unknown							
FN0039									AAL94252.1  DNA primase (bacterial type) and small primase-like proteins							
FN0040	-0.137	17.908	1.011e-1	2.234e-1	424	341	455.0350	467.2177	AAL94253.1  Asparaginyl-tRNA synthetase							
					357	573	490.8824	573.0000								
FN0041	0.127	5.742			4		4.2928		AAL94254.1  unknown							
					8	7	11.0002	7.0000								
FN0043	-0.898	5.102			4		4.2928		AAL94256.1  Hypothetical exported 24-amino acid repeat protein							
						8		8.0000								
FN0046	0.683	6.236				5		6.8507	AAL94259.1  3-dehydroquinate dehydratase							
					8		11.0002									
FN0047	0.362	12.015	5.7e-2	9.732e-2	68	50	72.9773	68.5070	AAL94260.1  Exodeoxyribonuclease III							
					53	45	72.8761	45.0000								
FN0048	0.432	7.715	1.458e-2	1.347e-2	16	8	17.1711	10.9611	AAL94261.1  4-nitrophenylphosphatase							
					12	14	16.5002	14.0000								
FN0049						9		12.3313	AAL94262.1  Hypothetical protein							
						31		31.0000								
FN0050	1.779	18.713	7.945e-3	5.254e-3	906	194	972.3154	265.8071	AAL94263.1  Fumarate reductase flavoprotein subunit							
					1059	442	1456.1470	442.0000								
FN0052	0.645	8.723			21	12	22.5371	16.4417	AAL94265.1  Arsenate reductase							
					21		28.8754									
FN0054	0.836	14.613	2.865e-2	3.557e-2	193	54	207.1268	73.9876	AAL94267.1  Tyrosyl-tRNA synthetase							
					157	163	215.8783	163.0000								
FN0058	-0.746	14.267	1.756e-2	1.775e-2	106	153	113.7587	209.6314	AAL94271.1  Cysteine desulfhydrase							
					75	154	103.1266	154.0000								

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1305

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0059	0.859	9.963	9.856e-4	2.352e-4	37	16	39.7082	21.9222	AAL94272.1  NifU protein							
					33	25	45.3757	25.0000								
FN0060	1.047	7.669	1.152e-2	9.384e-3	19	5	20.3907	6.8507	AAL94273.1  D-alanyl-D-alanine carboxypeptidase							
					15	13	20.6253	13.0000								
FN0061	-0.075	12.801	2.744e-1	9.066e-1	74	20	79.4165	27.4028	AAL94274.1  Thermostable carboxypeptidase 1							
					62	146	85.2513	146.0000								
FN0062	1.277	6.447			13		13.9515		AAL94275.1  Hypothetical cytosolic protein							
					11	6	15.1252	6.0000								
FN0065	0.513	12.942	1.35e-3	3.901e-4	95	50	101.9536	68.5070	AAL94278.1  Transcription accessory protein (S1 RNA binding domain)							
					80	80	110.0017	80.0000								
FN0067	0.458	16.642	2.677e-2	3.218e-2	341	234	365.9598	320.6127	AAL94280.1  Isoleucyl-tRNA synthetase							
					279	225	383.6308	225.0000								
FN0069	-0.457	15.217	5.162e-2	8.355e-2	163	198	174.9309	271.2877	AAL94282.1  Glycyl-tRNA synthetase alpha chain							
					115	186	158.1274	186.0000								
FN0070	-0.161	17.077	1.322e-1	3.363e-1	326	241	349.8618	330.2037	AAL94283.1  Glycyl-tRNA synthetase beta chain							
					257	456	353.3803	456.0000								
FN0071									AAL94284.1  GTP cyclohydrolase I							
						8		8.0000								
FN0072	-0.643	12.460	9.599e-2	2.054e-1	53	42	56.8794	57.5459	AAL94285.1  2-amino-4-hydroxy-6-hydroxymethylidihydropteridine pyrophosphokinase							
					46	130	63.2510	130.0000								
FN0073	-0.323	8.984	1.884e-1	5.471e-1	17	9	18.2443	12.3313	AAL94286.1  Dihydropteroate synthase							
					16	38	22.0003	38.0000								
FN0074	-0.439	7.561			11		11.8052		AAL94287.1  Ethanolamine utilization protein eutS							
						16		16.0000								
FN0076									AAL94289.1  Ethanolamine two-component response regulator							
						4		4.0000								
FN0077									AAL94290.1  Ethanolamine two-component sensor kinase							
						3		3.0000								
FN0078	-2.092	7.626	8.903e-4	2.004e-4	5	19	5.3660	26.0327	AAL94291.1  Ethanolamine utilization protein eutA							
					6	32	8.2501	32.0000								
FN0079	-2.464	12.415	5.957e-2	1.037e-1	33	49	35.4155	67.1369	AAL94292.1  Ethanolamine ammonia-lyase heavy chain							
					20	280	27.5004	280.0000								

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Proteins found: 1305

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Test Cutoff

q-Value

p-Value

.005

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

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0080	-1.834	13.691	3.228e-6	6.998e-8	52	163	55.8062	223.3328	AAL94293.1  Ethanolamine ammonia-lyase light chain							
					48	211	66.0010	211.0000								
FN0081	-2.656	12.749	3.831e-2	5.419e-2	27	80	28.9763	109.6112	AAL94294.1  Ethanolamine utilization protein eutL							
					27	307	37.1256	307.0000								
FN0082	-0.522	9.292			21		22.5371		AAL94295.1  Ethanolamine utilization protein eutM							
					14	30	19.2503	30.0000								
FN0083	-2.079	14.531	4.203e-2	6.167e-2	78	126	83.7093	172.6376	AAL94296.1  Ethanolamine utilization protein eutM precursor							
					48	460	66.0010	460.0000								
FN0084	-1.048	9.943	4.175e-3	1.977e-3	24	33	25.7567	45.2146	AAL94297.1  Acetaldehyde dehydrogenase (acetylating)							
					13	45	17.8753	45.0000								
FN0086								9.5910	AAL94299.1  Hypothetical protein							
FN0087								17.8118	AAL94300.1  Ethanolamine utilization protein eutN							
FN0089					4		4.2928		AAL94302.1  Ethanolamine permease							
FN0090								12.3313	AAL94303.1  Ethanolamine utilization protein eutQ							
								6.0000								
FN0091								8.2208	AAL94304.1  Phosphoserine phosphatase							
FN0092	-2.272	8.900	7.374e-2	1.389e-1	7	11	7.5124	15.0715	AAL94305.1  NADPH-dependent butanol dehydrogenase							
					9	81	12.3752	81.0000								
FN0093	0.798	16.047	1.861e-4	2.318e-5	305	153	327.3247	209.6314	AAL94306.1  Thioredoxin							
					261	185	358.8804	185.0000								
FN0100	0.886	8.609	3.179e-3	1.339e-3	27	11	28.9763	15.0715	AAL94309.1  Flavodoxins/hemoproteins							
					18	14	24.7504	14.0000								
FN0102					5		5.3660		AAL94311.1  Ribonucleoside-diphosphate reductase alpha chain							
					8		11.0002									
FN0103					4		4.2928		AAL94312.1  Ribonucleoside-diphosphate reductase beta chain							
FN0106	-0.359	13.873	1.242e-2	1.048e-2	94	93	100.8804	127.4230	AAL94315.1  Hypothetical protein							
					84	150	115.5017	150.0000								

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1305

Test Cutoff

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0108	-1.507	8.051			9	16	9.6588	21.9222	AAL94317.1  Microcin C7 self-immunity protein mccF							
								33		33.0000						
FN0110	-0.302	17.590	1.079e-1	2.49e-1	342	442	367.0329	605.6018	AAL94319.1  Seryl-tRNA synthetase							
					315	381	433.1315	381.0000								
FN0111									AAL94320.1  unknown							
								5		5.0000						
FN0113	-2.117	10.223	2.542e-3	9.639e-4	13	46	13.9515	63.0264	AAL94322.1  Heat-inducible transcription repressor hrcA							
					14	81	19.2503	81.0000								
FN0114	0.507	14.093	1.711e-2	1.713e-2	163	83	174.9309	113.7216	AAL94323.1  GrpE protein							
					102	108	140.2521	108.0000								
FN0116	-0.263	20.290	1.638e-1	4.51e-1	1009	604	1082.8545	827.5645	AAL94325.1  Chaperone protein dnaK							
					716	1653	984.5148	1653.0000								
FN0117									AAL94326.1  O6-methylguanine-DNA methyltransferase							
								14		14.0000						
FN0118	0.675	11.837	1.078e-2	8.521e-3	72	29	77.2701	39.7341	AAL94327.1  Chaperone protein dnaJ							
					55	56	75.6261	56.0000								
FN0119									AAL94328.1  Flavodoxin							
								47		47.0000						
FN0123									AAL94332.1  ATPase							
								5		5.0000						
FN0127									AAL94333.1  Fe-S oxidoreductase							
								4		5.4806						
FN0128	-0.658	7.437	8.064e-3	5.4e-3	8	11	8.5856	15.0715	AAL94334.1  Spermidine/putrescine-binding protein							
					9	18	12.3752	18.0000								
FN0130	1.028	7.028			24		25.7567		AAL94336.1  ABC transporter ATP-binding protein							
					5	8	6.8751	8.0000								
FN0132	0.803	5.999	3.244e-2	4.268e-2	12	3	12.8783	4.1104	AAL93916.1  Hemolysin							
					6	8	8.2501	8.0000								
FN0147	0.129	9.325	2.133e-1	6.501e-1	25	12	26.8299	16.4417	AAL94353.1  PLSX protein							
					19	32	26.1254	32.0000								
FN0148	0.123	15.972	1.034e-1	2.317e-1	242	159	259.7134	217.8522	AAL94354.1  3-oxoacyl-[acyl-carrier-protein] synthase III							
					196	268	269.5041	268.0000								

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Fn Summary Table		FnPg vs Fn		FnSg vs Fn		FnPgSg vs Fn		FnPgSg vs FnPg		FnSg vs FnPg		FnPgSg vs FnSg		Fn Coverage		
Protein	FnPgSg vs FnPg				Raw				Normalized				Log <sub>2</sub> Ratios			
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
FN0149	0.068	15.772	2.541e-1	8.167e-1	190	219	203.9072	300.0606	AAL94355.1  Malonyl-CoA-[acyl-carrier-protein] transacylase							
					204	162	280.5042	162.0000								
FN0150	0.548	11.458	3.038e-3	1.249e-3	58	29	62.2454	39.7341	AAL94356.1  Acyl carrier protein							
					48	48	66.0010	48.0000								
FN0151	0.776	19.246	5.85e-2	1.01e-1	893	205	958.3638	280.8787	AAL94357.1  3-oxoacyl-[acyl-carrier-protein] synthase							
					804	924	1105.5167	924.0000								
FN0152	-0.219	5.781							AAL94358.1  Ribonuclease III							
					5	8	6.8751	8.0000								
FN0154									AAL94360.1  Ribonuclease G							
					5		6.8751									
FN0155									AAL94361.1  Hypothetical protein							
					13		13.9515									
FN0156					5		6.8751									
	0.804	7.654	4.903e-2	7.721e-2	17	4	18.2443	5.4806	AAL94362.1  Phosphopantetheine adenylyltransferase							
FN0158					14	16	19.2503	16.0000								
	-0.200	8.476	1.591e-1	4.339e-1	20	12	21.4639	16.4417	AAL94364.1  DNA-binding protein							
FN0164					10	24	13.7502	24.0000								
	-0.528	14.561	2.508e-2	2.927e-2	117	155	125.5639	212.3717	AAL94370.1  Anhydro-N-acetylmuramyl-tripeptide amidase							
FN0170					97	161	133.3770	161.0000								
	0.025	13.867	2.779e-1	9.227e-1	117	63	125.5639	86.3188	AAL94376.1  GTP-binding protein							
FN0173					88	156	121.0018	156.0000								
	1.062	11.089	4.654e-2	7.143e-2	68	7	72.9773	9.5910	AAL94379.1  Hypothetical protein							
FN0174					45	55	61.8759	55.0000								
	0.973	13.558	1.273e-2	1.087e-2	165	56	177.0773	76.7278	AAL94380.1  Enoyl-[acyl-carrier-protein] reductase							
FN0175					95	80	130.6270	80.0000								
	-0.068	7.905				10		13.7014	AAL94381.1  Cell division inhibitor MinC							
FN0176					11	18	15.1252	18.0000								
	0.063	15.369	2.052e-1	6.188e-1	174	134	186.7361	183.5987	AAL94382.1  Cell division inhibitor MinD							
FN0177					170	219	233.7535	219.0000								
	1.712	5.790			11	3	11.8052	4.1104	AAL94383.1  Cell division inhibitor MinE							
FN0178					11		15.1252									
	0.251	10.999	7.306e-2	1.371e-1	42	35	45.0742	47.9549	AAL94384.1  UNC-44 ankyrins							
					39	35	53.6258	35.0000								

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Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0179	-1.721	10.821	8.15e-2	1.602e-1	27	93	28.9763	127.4230	AAL94385.1  Ankyrin repeat proteins							
					13	27	17.8753	27.0000								
FN0180					8		8.5856		AAL94386.1  Tetratricopeptide repeat family protein							
FN0181	-1.006	8.713	8.424e-2	1.682e-1	9	11	9.6588	15.0715	AAL94387.1  Hypothetical protein							
					14	43	19.2503	43.0000								
FN0182	-1.761	13.860	9.97e-2	2.183e-1	76	35	81.5629	47.9549	AAL94388.1  Sarcosine oxidase alpha subunit							
					37	401	50.8758	401.0000								
FN0183	-0.448	14.734	1.98e-1	5.877e-1	152	34	163.1258	46.5848	AAL94389.1  Glycerol-3-phosphate dehydrogenase							
					87	339	119.6268	339.0000								
FN0185	-0.513	7.436	6.967e-3	4.177e-3	9	12	9.6588	16.4417	AAL94391.1  Hypothetical protein							
					9	15	12.3752	15.0000								
FN0189	-1.400	7.244			9		9.6588		AAL94395.1  Two-component response regulator yesN							
					4	20	5.5001	20.0000								
FN0190						6		8.2208	AAL94396.1  Two-component sensor kinase yesM							
						3		3.0000								
FN0191	-1.092	8.263	2.389e-2	2.73e-2	7	14	7.5124	19.1820	AAL94397.1  helix-turn-helix DNA-binding protein							
					12	32	16.5002	32.0000								
FN0192	1.303	9.303			39		41.8546		AAL94398.1  Dipeptide-binding protein							
					27	16	37.1256	16.0000								
FN0198					5		5.3660		AAL94404.1  Transcriptional regulatory protein							
					6		8.2501									
FN0199	-0.556	11.146	2.543e-2	2.985e-2	45	39	48.2938	53.4355	AAL94405.1  Hypothetical protein							
					22	62	30.2505	62.0000								
FN0200	-0.244	19.007	2.26e-1	6.999e-1	609	942	653.5762	1290.6717	AAL94406.1  Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					495	289	680.6353	289.0000								
FN0202	0.637	19.860	3.092e-2	3.975e-2	1335	585	1432.7163	801.5318	AAL94408.1  Glutaconate CoA-transferase subunit A							
					727	763	999.6401	763.0000								
FN0203	-0.654	20.575	3.03e-2	3.86e-2	833	1361	893.9721	1864.7603	AAL94409.1  Glutaconate CoA-transferase subunit B							
					799	1270	1098.6416	1270.0000								
FN0204	0.282	21.116	5.991e-2	1.045e-1	1462	833	1569.0122	1141.3265	AAL94410.1  Glutaconyl-CoA decarboxylase A subunit							
					1277	1593	1755.9015	1593.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

Test Cutoff

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

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0206	-0.550	11.572	1.166e-1	2.787e-1	44	69	47.2206	94.5396	AAL94412.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase							
					32	39	44.0007	39.0000								
FN0207	-0.011	18.701	2.878e-1	9.689e-1	620	632	665.3814	865.9284	AAL94413.1  (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit							
					462	445	635.2596	445.0000								
FN0208	0.222	17.601	1.793e-2	1.826e-2	435	280	466.8402	383.6392	AAL94414.1  (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit							
					361	442	496.3825	442.0000								
FN0209	-0.069	17.531	8.653e-2	1.75e-1	383	339	411.0340	464.4774	AAL94415.1  Hypothetical cytosolic protein							
					319	427	438.6316	427.0000								
FN0212	-0.584	8.556	8.801e-2	1.795e-1	18	23	19.3175	31.5132	AAL94418.1  Hypothetical protein							
					9	16	12.3752	16.0000								
FN0214								4.1104	AAL94420.1  Crossover junction endodeoxyribonuclease ruvC							
FN0218	-1.665	13.460	1.814e-2	1.856e-2	56	173	60.0990	237.0342	AAL94424.1  Anthranilate synthase component II							
					43	141	59.1259	141.0000								
FN0219	0.682	5.852							AAL94425.1  Autolysin response regulator							
					7	6	9.6251	6.0000								
FN0221	0.463	12.145	4.803e-2	7.484e-2	87	45	93.3680	61.6563	AAL94427.1  Carbon starvation protein A							
					47	53	64.6260	53.0000								
FN0224	0.274	8.356	1.616e-1	4.431e-1	23	16	24.6835	21.9222	AAL94430.1  Excinuclease ABC subunit B							
					11	11	15.1252	11.0000								
FN0225									AAL94431.1  Gluconate permease							
						4		4.0000								
FN0226	-0.183	11.711	1.556e-2	1.502e-2	50	47	53.6598	64.3966	AAL94432.1  Pyridoxal phosphate biosynthetic protein pdxA							
					40	59	55.0008	59.0000								
FN0227									AAL94433.1  Hypothetical protein							
						4		4.0000								
FN0233	-0.266	12.035	1.317e-1	3.341e-1	55	65	59.0258	89.0591	AAL94439.1  Hypothetical protein							
					43	53	59.1259	53.0000								
FN0234									AAL94440.1  unknown							
						11		11.0000								
FN0235									AAL94441.1  ABC transporter ATP-binding protein							
						16		21.9222								

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Proteins found: 1305

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Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots



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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0236	-1.091	16.017	1.278e-1	3.191e-1	152	486	163.1258	665.8880	AAL94442.1  ABC transporter substrate-binding protein							
					138	86	189.7529	86.0000								
FN0237						3		4.1104	AAL94443.1  ABC transporter permease protein							
FN0238	-0.410	10.436	1.077e-1	2.483e-1	23	40	24.6835	54.8056	AAL94444.1  Hypothetical protein							
					29	31	39.8756	31.0000								
FN0240	-0.077	12.981	1.268e-1	3.154e-1	76	64	81.5629	87.6890	AAL94446.1  Thymidylate synthase							
					68	97	93.5014	97.0000								
FN0241	-1.464	8.002	2.475e-2	2.871e-2	9	14	9.6588	19.1820	AAL94447.1  Dihydrofolate reductase							
					7	34	9.6251	34.0000								
FN0242	-1.737	10.263			14		15.0247		AAL94448.1  Trk system potassium uptake protein trkA							
					17	64	23.3754	64.0000								
FN0243	-2.241	7.160							AAL94449.1  Poly(A) polymerase							
					4	26	5.5001	26.0000								
FN0244									AAL94450.1  COP associated protein							
						10		10.0000								
FN0245	-0.313	5.687			6		6.4392		AAL94451.1  Copper-exporting ATPase							
						8		8.0000								
FN0247	0.982	14.343	2.788e-2	3.415e-2	229	41	245.7618	56.1757	AAL94453.1  Hypothetical cytosolic protein							
					116	149	159.5024	149.0000								
FN0248	-2.120	8.664			9		9.6588		AAL94454.1  Hypothetical Exported Protein							
						42		42.0000								
FN0249	0.814	13.456	5.184e-2	8.412e-2	121	89	129.8567	121.9424	AAL94455.1  unknown							
					110	38	151.2523	38.0000								
FN0250	0.652	13.840	7.563e-2	1.439e-1	142	106	152.3938	145.2348	AAL94456.1  unknown							
					110	48	151.2523	48.0000								
FN0251	0.257	15.544	2.138e-1	6.518e-1	175	240	187.8093	328.8336	AAL94457.1  Hypothetical membrane-spanning Protein							
					211	71	290.1294	71.0000								
FN0252	-1.438	17.551	5.197e-2	8.444e-2	231	753	247.9082	1031.7153	AAL94458.1  unknown							
					207	411	284.6293	411.0000								
FN0253	0.488	15.687			234		251.1278		AAL94459.1  Outer membrane protein							
					213	194	292.8794	194.0000								

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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0254	-0.256	18.094	1.078e-1	2.488e-1	373	352	400.3020	482.2892	AAL94460.1  Fusobacterium outer membrane protein family							
					413	674	567.8836	674.0000								
FN0258	-0.370	5.289				6		8.2208	AAL94464.1  Zinc-transporting ATPase							
					4	6	5.5001	6.0000								
FN0259					11			11.8052	AAL94465.1  Zinc-transporting ATPase							
					12			16.5002								
FN0261	-0.304	7.774			12	12	12.8783	16.4417	AAL94467.1  Pyruvate formate-lyase activating enzyme							
					10			13.7502								
FN0262	1.627	22.818	9.508e-3	6.973e-3	4443	1745	4768.2087	2390.8940	AAL94468.1  Formate acetyltransferase							
					3482	704	4787.8222	704.0000								
FN0263	-0.896	15.729	1.265e-1	3.142e-1	180	386	193.1752	528.8740	AAL94469.1  Peptidyl-prolyl cis-trans isomerase							
					108	107	148.5022	107.0000								
FN0264	0.647	15.932	4.078e-2	5.91e-2	273	96	292.9824	131.5334	AAL94470.1  Hypothetical protein							
					242	268	332.7550	268.0000								
FN0265	-0.773	6.146			6		6.4392		AAL94471.1  Cell division protein ftsX							
								11.0000								
FN0266	-0.956	5.044							AAL94472.1  membrane protein related to metalloendopeptidase							
					3	8	4.1251	8.0000								
FN0267									AAL94473.1  ATP-NAD kinase							
								6.0000								
FN0268	-1.869	5.958						15.0715	AAL94474.1  DNA repair protein recN							
					3		4.1251									
FN0270					4		4.2928		AAL94476.1  GTP-binding protein era							
					4		5.5001									
FN0271	-1.705	5.909			4		4.2928		AAL94477.1  Enoyl-CoA hydratase							
						14		14.0000								
FN0272								4.0000	AAL94478.1  Acetoacetate: butyrate/acetate coenzyme A transferase							
						4										
FN0273								16.0000	AAL94479.1  Butyrate-acetoacetate CoA-transferase subunit B							
						16										
FN0276	-3.068	7.272			4		4.2928		AAL94482.1  Sodium-dependent phosphate transporter							
						36		36.0000								

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 Filter by category:

Proteins found: 1305

Test Cutoff

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

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

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0277	-0.275	6.814	1.447e-2	1.332e-2	9	9	9.6588	12.3313	AAL94483.1  Hypothetical protein							
					7	11	9.6251	11.0000								
FN0278	0.373	16.480	3.447e-2	4.684e-2	362	209	388.4969	286.3592	AAL94484.1  Xaa-His dipeptidase							
					218	245	299.7545	245.0000								
FN0279	-1.504	12.570	1.006e-1	2.215e-1	44	26	47.2206	35.6236	AAL94485.1  Lipoprotein							
					33	227	45.3757	227.0000								
FN0280	0.183	12.558	2.323e-1	7.252e-1	76	21	81.5629	28.7729	AAL94486.1  Hypothetical protein							
					61	117	83.8763	117.0000								
FN0281	-1.437	9.985	5.448e-2	9.099e-2	13	21	13.9515	28.7729	AAL94487.1  DNA polymerase III alpha subunit							
					18	76	24.7504	76.0000								
FN0282	-0.148	10.803	1.813e-1	5.182e-1	30	27	32.1959	36.9938	AAL94488.1  Hypothetical protein							
					35	52	48.1257	52.0000								
FN0283	-0.541	6.103							AAL94489.1  tRNA (Guanine-N1) - methyltransferase							
					5	10	6.8751	10.0000								
FN0284	-1.455	9.946			11		11.8052		AAL94490.1  16S rRNA processing protein rimM							
					19	52	26.1254	52.0000								
FN0285	-0.531	8.978			22		23.6103		AAL94491.1  RNA binding protein							
					10	27	13.7502	27.0000								
FN0287	-0.722	6.679			7		7.5124		AAL94493.1  Dimethyladenosine transferase							
					6	13	8.2501	13.0000								
FN0288	-0.468	11.210	1.418e-1	3.721e-1	31	23	33.2691	31.5132	AAL94494.1  Hypoxanthine-guanine phosphoribosyltransferase							
					36	83	49.5007	83.0000								
FN0290									AAL94496.1  Hemolysin							
					3		4.1251									
FN0291	-1.075	5.568			5		5.3660		AAL94497.1  Hemolysin							
					3	10	4.1251	10.0000								
FN0294	0.403	14.893	5.492e-2	9.217e-2	188	136	201.7608	186.3390	AAL94500.1  Transketolase subunit A							
					145	117	199.3780	117.0000								
FN0295	-0.510	14.457	8.978e-2	1.851e-1	106	170	113.7587	232.9238	AAL94501.1  Transketolase							
					100	125	137.5021	125.0000								
FN0296	0.363	11.980	8.364e-2	1.664e-1	60	30	64.3917	41.1042	AAL94502.1  Hypothetical cytosolic protein							
					58	71	79.7512	71.0000								

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Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0297	-0.755	6.844				5		6.8507				6.8507	AAL94503.1  ATPase associated with chromosome architecture/replication							
						6	21	8.2501	21.0000				AAL94504.1  Histidyl-tRNA synthetase							
FN0298	-0.434	15.615	1.604e-1	4.385e-1	181	94	194.2484	128.7931					AAL94505.1  Aspartyl-tRNA synthetase							
						139	392	191.1279	392.0000				AAL94511.1  Iron(III) dicitrate-binding protein							
FN0299	0.439	15.864	9.365e-2	1.976e-1	262	96	281.1773	131.5334					AAL94513.1  Iron(III) dicitrate transport ATP-binding protein fecE							
						209	288	287.3793	288.0000				AAL94514.1  Iron(III)-binding protein							
FN0305					3		3.2196						AAL94515.1  Iron(III)-transport system permease protein sfuB							
					3		4.1251						AAL94516.1  Iron(III)-transport ATP-binding protein sfuC							
FN0307													AAL94517.1  Anaerobic ribonucleoside-triphosphate reductase							
						3		4.1251					AAL94519.1  16S rRNA m(5)C 967 methyltransferase							
FN0308	0.174	16.482	1.426e-1	3.748e-1	354	191	379.9113	261.6967					AAL94520.1  Caffeoyl-CoA O-methyltransferase							
						191	308	262.6290	308.0000				AAL94521.1  Transcriptional regulator, AraC family							
FN0309					5		5.3660						AAL94522.1  Hypothetical protein							
					8		11.0002						AAL94523.1  Tryptophan synthase beta chain							
FN0310	0.287	13.118	1.467e-1	3.896e-1	116	83	124.4907	113.7216					AAL94525.1  Citrate (pro-3S)-lyase ligase							
						61	57	83.8763	57.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0311	0.706	12.789	4.3e-2	6.368e-2	90	29	96.5876	39.7341					AAL94526.1  Hypothetical cytosolic protein							
						86	92	118.2518	92.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0313	-1.384	6.231			5		5.3660						AAL94526.1  Hypothetical cytosolic protein							
							14		14.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0314													AAL94526.1  Hypothetical cytosolic protein							
							8		8.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0315													AAL94526.1  Hypothetical cytosolic protein							
							10		10.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0316	0.361	9.445			25	17	26.8299	23.2924					AAL94526.1  Hypothetical cytosolic protein							
						24		33.0005					AAL94526.1  Hypothetical cytosolic protein							
FN0317	-1.298	7.167	6.799e-2	1.241e-1	4	7	4.2928	9.5910					AAL94526.1  Hypothetical cytosolic protein							
						8	28	11.0002	28.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0319	-0.348	5.267											AAL94526.1  Hypothetical cytosolic protein							
						4	7	5.5001	7.0000				AAL94526.1  Hypothetical cytosolic protein							
FN0320	0.573	9.914	9.886e-3	7.411e-3	36	16	38.6350	21.9222					AAL94526.1  Hypothetical cytosolic protein							
						27	29	37.1256	29.0000				AAL94526.1  Hypothetical cytosolic protein							

Show detected proteins only  
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Proteins found: 1305

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios							
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6	
FN0321	-0.193	13.971	1.807e-1	5.161e-1	103	70	110.5392	95.9098													
					92	175	126.5019	175.0000	AAL94527.1  Heat shock protein htpG												
FN0322	-0.065	21.505	2.509e-1	8.028e-1	1688	934	1811.5544	1279.7106													
					1136	2250	1562.0235	2250.0000	AAL94528.1  Fructose-bisphosphate aldolase												
FN0325	5.242	9.320			122	3	130.9299	4.1104													
					131		180.1277		AAL94529.1  LSU ribosomal protein L20P												
FN0326					16		17.1711														
					18		24.7504		AAL94530.1  LSU ribosomal protein L35P												
FN0327	0.147	9.194			18		19.3175														
					23	23	31.6255	23.0000	AAL94531.1  Bacterial Protein Translation Initiation Factor 3 (IF-3)												
FN0329	-0.292	17.604	1.452e-1	3.843e-1	347	472	372.3989	646.7060													
					316	341	434.5066	341.0000	AAL94533.1  LSU ribosomal protein L13P												
FN0330	1.977	13.137	1.227e-4	1.328e-5	187	45	200.6876	61.6563													
					128	34	176.0027	34.0000	AAL94534.1  SSU ribosomal protein S9P												
FN0331	0.862	10.992	6.879e-2	1.261e-1	57	8	61.1722	10.9611													
					44	56	60.5009	56.0000	AAL94535.1  Hypothetical protein												
FN0332	0.102	5.717			7		7.5124														
						7		7.0000	AAL94536.1  Magnesium and cobalt transport protein corA												
FN0333																					
						8		8.0000	AAL94537.1  Glycerol uptake operon antiterminator regulatory protein												
FN0334	0.084	14.135	2.331e-1	7.288e-1	128	69	137.3691	94.5396													
					101	166	138.8771	166.0000	AAL94538.1  Aspartate/aromatic aminotransferase												
FN0335	-0.207	19.484	1.993e-1	5.932e-1	764	932	819.9216	1276.9703													
					563	563	774.1367	563.0000	AAL94539.1  Outer membrane porin F												
FN0336	0.969	10.878			67		71.9041														
					36	31	49.5007	31.0000	AAL94540.1  Hypothetical protein												
FN0341	1.228	11.871			90		96.5876														
					66	40	90.7514	40.0000	AAL94545.1  transport protein												
FN0342	0.387	10.885	1.069e-1	2.45e-1	44	38	47.2206	52.0653													
					38	24	52.2508	24.0000	AAL94546.1  Peptidyl-prolyl cis-trans isomerase												
FN0347	-0.747	10.242	1.255e-1	3.104e-1	27	14	28.9763	19.1820													
					18	71	24.7504	71.0000	AAL94551.1  Phosphatidylserine decarboxylase												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0348	-0.139	15.529	2.036e-1	6.118e-1	203	120	217.8587	164.4168	AAL94552.1  Nicotinate phosphoribosyltransferase							
					143	292	196.6280	292.0000								
FN0349	-1.005	7.853			10	11	10.7320	15.0715	AAL94553.1  D-Tyr-tRNATyr deacylase							
						28		28.0000								
FN0351	0.241	13.866	2.225e-1	6.861e-1	122	140	130.9299	191.8196	AAL94555.1  unknown							
					98	33	134.7520	33.0000								
FN0352	-0.831	10.479	8.637e-2	1.745e-1	31	21	33.2691	28.7729	AAL94556.1  NA+/H+ antiporter NHAC							
					17	72	23.3754	72.0000								
FN0355	-0.394	14.520	1.029e-1	2.298e-1	116	93	124.4907	127.4230	AAL94558.1  S-adenosylmethionine synthetase							
					104	224	143.0022	224.0000								
FN0356	-1.084	8.239	6.211e-2	1.098e-1	12	26	12.8783	35.6236	AAL94559.1  Lactoylglutathione lyase							
					8	15	11.0002	15.0000								
FN0357	0.188	7.458	2.124e-1	6.466e-1	11	5	11.8052	6.8507	AAL94560.1  ATP synthase epsilon chain, sodium ion specific							
					12	18	16.5002	18.0000								
FN0358	-0.063	16.363	2.578e-2	3.046e-2	268	212	287.6165	290.4696	AAL94561.1  ATP synthase beta chain, sodium ion specific							
					204	303	280.5042	303.0000								
FN0359	0.050	11.378	2.594e-1	8.397e-1	53	47	56.8794	64.3966	AAL94562.1  ATP synthase gamma chain, sodium ion specific							
					35	37	48.1257	37.0000								
FN0360	-0.161	13.845	2.234e-2	2.484e-2	101	96	108.3928	131.5334	AAL94563.1  ATP synthase alpha chain, sodium ion specific							
					88	125	121.0018	125.0000								
FN0361	0.258	9.481	1.512e-1	4.057e-1	25	24	26.8299	32.8834	AAL94564.1  ATP synthase delta chain, sodium ion specific							
					23	16	31.6255	16.0000								
FN0362	0.017	9.926			29		31.1227		AAL94565.1  ATP synthase B chain, sodium ion specific							
					23	31	31.6255	31.0000								
FN0364	-0.653	6.748			9		9.6588		AAL94567.1  ATP synthase A chain, sodium ion specific							
					5	13	6.8751	13.0000								
FN0366	0.610	15.795	2.972e-3	1.209e-3	253	127	271.5185	174.0078	AAL94569.1  Phosphoglucosamine mutase							
					231	212	317.6298	212.0000								
FN0368	-0.245	13.315	1.467e-1	3.897e-1	78	59	83.7093	80.8383	AAL94571.1  Adenylosuccinate lyase							
					74	139	101.7515	139.0000								
FN0370	-0.329	9.055	1.841e-1	5.298e-1	14	10	15.0247	13.7014	AAL94573.1  Signal peptidase I							
					19	38	26.1254	38.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0371	1.802	11.250	5.343e-3	2.773e-3	100	32	107.3196	43.8445	AAL94574.1  Hypothetical protein							
					56	9	77.0012	9.0000								
FN0374									AAL94577.1  Single-stranded-DNA-specific exonuclease recJ							
						9		12.3313								
FN0375	0.020	18.116	2.581e-1	8.339e-1	466	353	500.1092	483.6594	AAL94578.1  Iron(III)-binding protein							
					417	575	573.3836	575.0000								
FN0376	-1.174	11.959	4.776e-3	2.368e-3	36	61	38.6350	83.5785	AAL94579.1  Iron(III)-transport ATP-binding protein sfuC							
					33	106	45.3757	106.0000								
FN0377					39		41.8546		AAL94580.1  Iron(III)-transport system permease protein sfuB							
					7		9.6251									
FN0378					6		6.4392		AAL94581.1  UDP-glucose 4-epimerase							
					11		15.1252									
FN0379	0.544	6.537	9.755e-2	2.107e-1	14	8	15.0247	10.9611	AAL94582.1  Hypothetical protein							
					6	5	8.2501	5.0000								
FN0380	0.459	5.629							AAL94583.1  unknown							
					6	6	8.2501	6.0000								
FN0381					20		21.4639		AAL94584.1  unknown							
					18		24.7504									
FN0384	1.679	5.758			13	3	13.9515	4.1104	AAL94587.1  Hypothetical protein							
					9		12.3752									
FN0385									AAL94588.1  Hypothetical protein							
						5		5.0000								
FN0387	0.954	9.949	9.124e-4	2.082e-4	38	14	40.7814	19.1820	AAL94590.1  Fusobacterium outer membrane protein family							
					34	26	46.7507	26.0000								
FN0390	0.143	13.042	2.207e-1	6.789e-1	103	40	110.5392	54.8056	AAL94593.1  Hypothetical protein							
					60	120	82.5012	120.0000								
FN0391	-0.910	8.767	1.328e-1	3.384e-1	13	6	13.9515	8.2208	AAL94594.1  Hydrolase (HAD superfamily)							
					12	49	16.5002	49.0000								
FN0392	0.656	5.300			7		7.5124		AAL94595.1  Oxygen-independent coproporphyrinogen III oxidase							
					6	5	8.2501	5.0000								
FN0393	-1.731	6.615	7.869e-3	5.162e-3	5	11	5.3660	15.0715	AAL94596.1  Polysaccharide deacetylase							
					4	21	5.5001	21.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios								
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6		
FN0394	-1.421	6.795			6	4	6.4392	5.4806														
FN0396	-0.014	24.392	2.315e-1	7.221e-1	4210	3549	4518.1541	4862.6263														
					3505	4566	4819.4477	4566.0000														
FN0397	0.344	11.196			53		56.8794															
					38	43	52.2508	43.0000														
FN0398	0.552	10.881	6.125e-3	3.399e-3	48	29	51.5134	39.7341														
					39	32	53.6258	32.0000														
FN0399	0.176	14.911	1.494e-1	3.993e-1	149	98	159.9062	134.2737														
					155	196	213.1282	196.0000														
FN0400	-0.490	16.632	1.36e-2	1.205e-2	227	306	243.6154	419.2628														
					214	336	294.2544	336.0000														
FN0405	1.026	13.653	1.135e-2	9.178e-3	175	38	187.8093	52.0653														
					99	107	136.1271	107.0000														
FN0406	0.769	10.997	6.987e-3	4.197e-3	60	25	64.3917	34.2535														
					39	35	53.6258	35.0000														
FN0407	2.268	11.053			104		111.6124															
					66	21	90.7514	21.0000														
FN0408	0.375	12.016	1.543e-1	4.166e-1	61	19	65.4649	26.0327														
					59	87	81.1262	87.0000														
FN0409	1.127	17.122	9.283e-4	2.139e-4	475	219	509.7680	300.0606														
					441	211	606.3841	211.0000														
FN0410	0.368	13.319	1.163e-3	3.104e-4	109	62	116.9783	84.9487														
					82	93	112.7517	93.0000														
FN0413	-0.701	4.905			4	8	4.2928	10.9611														
FN0414					6		6.4392															
FN0416	-0.163	7.086			9	9	9.6588	12.3313														
					9		12.3752															
FN0417	-0.434	7.645			15	12	16.0979	16.4417														
					6		8.2501															

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

Proteins found:  
 1305

Enter (or paste) list of 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



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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0418	-3.964	8.168			4		4.2928		AAL94621.1  Uracil phosphoribosyltransferase							
						67		67.0000								
FN0419	-0.968	6.780	1.024e-2	7.839e-3	5	9	5.3660	12.3313	AAL94622.1  Aspartate carbamoyltransferase							
					7	17	9.6251	17.0000								
FN0420	-3.225	6.599			3	6	3.2196	8.2208	AAL94623.1  Dihydroorotase							
						52		52.0000								
FN0421	-2.316	8.328			6		6.4392		AAL94624.1  Carbamoyl-phosphate synthase small chain							
					7	40	9.6251	40.0000								
FN0422	-0.392	12.843	2.026e-1	6.076e-1	69	20	74.0505	27.4028	AAL94625.1  Carbamoyl-phosphate synthase large chain							
					55	169	75.6261	169.0000								
FN0423	-1.386	6.614			5		5.3660		AAL94626.1  Dihydroorotase dehydrogenase electron transfer subunit							
					5	16	6.8751	16.0000								
FN0424	-1.643	5.017			3	3	3.2196	4.1104	AAL94627.1  Dihydroorotase dehydrogenase							
						16		16.0000								
FN0426	-0.596	9.561	1.705e-1	4.762e-1	25	7	26.8299	9.5910	AAL94629.1  Orotidine 5'-phosphate decarboxylase							
					13	58	17.8753	58.0000								
FN0427	-0.244	11.133	4.001e-2	5.756e-2	44	41	47.2206	56.1757	AAL94630.1  Orotate phosphoribosyltransferase							
					29	47	39.8756	47.0000								
FN0430	0.730	14.369	3.995e-2	5.745e-2	171	51	183.5165	69.8771	AAL94633.1  LSU ribosomal protein L19P							
					139	156	191.1279	156.0000								
FN0435	-0.888	11.004	1.248e-1	3.081e-1	48	17	51.5134	23.2924	AAL94634.1  Purine nucleoside phosphorylase							
					11	100	15.1252	100.0000								
FN0436	-1.698	10.539	2.224e-2	2.468e-2	13	35	13.9515	47.9549	AAL94635.1  regulator of kinase autophosphorylation inhibitor							
					21	91	28.8754	91.0000								
FN0437	-0.877	6.536	1.355e-1	3.493e-1	3	3	3.2196	4.1104	AAL94636.1  kinase autophosphorylation inhibitor KipI							
					8	22	11.0002	22.0000								
FN0439	-0.348	12.026	2.208e-1	6.794e-1	58	10	62.2454	13.7014	AAL94638.1  Lactam utilization protein LAMB							
					38	132	52.2508	132.0000								
FN0445					6		6.4392		AAL94641.1  Hypothetical protein							
					4		5.5001									
FN0446	0.441	6.714	7.506e-3	4.744e-3	12	7	12.8783	9.5910	AAL94642.1  Hypothetical protein							
					8	8	11.0002	8.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0447	-0.483	4.687			4		4.2928		AAL94643.1  NIFS protein							
						6		6.0000								
FN0448					3		4.1251		AAL94644.1  DNA-repair protein							
FN0450	0.197	8.552	9.774e-2	2.114e-1	22	14	23.6103	19.1820	AAL94646.1  ABC transporter ATP-binding protein							
					13	17	17.8753	17.0000								
FN0451	-0.348	5.267							AAL94647.1  Hypothetical protein							
					4	7	5.5001	7.0000								
FN0452	0.444	18.490	1.609e-1	4.405e-1	663	647	711.5288	886.4805	AAL94648.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					512	154	704.0106	154.0000								
FN0453	-1.007	16.282	7.377e-3	4.603e-3	198	255	212.4928	349.3857	AAL94649.1  Xaa-Pro aminopeptidase							
					135	451	185.6278	451.0000								
FN0454	-1.363	13.375	5.399e-2	8.967e-2	57	69	61.1722	94.5396	AAL94650.1  Aldehyde dehydrogenase B							
					49	236	67.3760	236.0000								
FN0455	0.106	17.315	1.844e-1	5.307e-1	331	315	355.2278	431.5941	AAL94651.1  Rubrerythrin							
					351	347	482.6323	347.0000								
FN0456	1.270	8.967	1.495e-3	4.502e-4	34	13	36.4887	17.8118	AAL94652.1  Hypothetical cytosolic protein							
					24	11	33.0005	11.0000								
FN0458	-0.888	6.451				12		16.4417	AAL94654.1  Hypothetical Exported Protein							
					5	9	6.8751	9.0000								
FN0460	-1.301	10.313			18		19.3175		AAL94656.1  Delta-aminolevulinic acid dehydratase							
					19	56	26.1254	56.0000								
FN0461	-0.798	16.288	8.224e-2	1.623e-1	187	381	200.6876	522.0233	AAL94657.1  Probable sigma(54) modulation protein							
					166	224	228.2534	224.0000								
FN0462	-1.445	9.770	3.763e-2	5.285e-2	18	23	19.3175	31.5132	AAL94658.1  DNA mismatch repair protein mutL							
					12	66	16.5002	66.0000								
FN0465	-1.526	15.038	8.973e-2	1.849e-1	104	377	111.6124	516.5427	AAL94661.1  Hypothetical protein							
					76	106	104.5016	106.0000								
FN0466	-0.443	17.501	4.501e-2	6.802e-2	295	428	316.5927	586.4199	AAL94662.1  Lysyl-tRNA synthetase							
					307	418	422.1314	418.0000								
FN0470	-0.229	18.019	9.585e-2	2.049e-1	427	343	458.2546	469.9580	AAL94666.1  Putative efflux pump component MtrF							
					359	646	493.6324	646.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0472	0.089	26.187	1.916e-1	5.605e-1	8444	7225	9062.0649	9899.2604												
					6518	7052	8962.3851	7052.0000	AAL94668.1  Flavodoxin											
FN0475	-0.503	8.416			11		11.8052													
					14	22	19.2503	22.0000	AAL94671.1  MIAB protein											
FN0476	0.593	12.038	4.505e-2	6.809e-2	69	26	74.0505	35.6236												
					62	70	85.2513	70.0000	AAL94672.1  Transcription termination factor rho											
FN0477	-0.362	7.423	1.064e-2	8.346e-3	10	10	10.7320	13.7014												
					9	16	12.3752	16.0000	AAL94673.1  Cell wall endopeptidase family M23/M37											
FN0478	-1.686	8.489			12		12.8783													
					6	34	8.2501	34.0000	AAL94674.1  GcpE protein											
FN0481																				
							11	11.0000	AAL94677.1  unknown											
FN0482	3.233	8.403			59		63.3185													
					36	6	49.5007	6.0000	AAL94678.1  LSU ribosomal protein L31P											
FN0483	0.718	12.927	2.902e-2	3.626e-2	111	34	119.1247	46.5848												
					78	91	107.2516	91.0000	AAL94679.1  Uracil phosphoribosyltransferase											
FN0484	-0.220	4.424			4		4.2928													
						5	5.0000		AAL94680.1  Lipase											
FN0487	0.119	20.282	2.164e-1	6.62e-1	1065	548	1142.9535	750.8366												
					880	1416	1210.0182	1416.0000	AAL94683.1  2-hydroxyglutarate dehydrogenase											
FN0488	-0.073	23.789	2.513e-1	8.049e-1	3228	1959	3464.2759	2684.1040												
					2879	5124	3958.6847	5124.0000	AAL94684.1  NAD-specific glutamate dehydrogenase											
FN0489	1.675	8.594			36		38.6350													
					23	11	31.6255	11.0000	AAL94685.1  Prolipoprotein diacylglyceryl transferase											
FN0491	-2.093	12.665	5.09e-2	8.176e-2	33	59	35.4155	80.8383												
					31	252	42.6256	252.0000	AAL94687.1  Alanine racemase											
FN0493	-2.003	6.496	3.013e-2	3.827e-2	5	19	5.3660	26.0327												
					3	12	4.1251	12.0000	AAL94689.1  Hypothetical protein											
FN0494	1.067	16.710	9.095e-4	2.072e-4	409	136	438.9371	186.3390												
					370	266	508.7577	266.0000	AAL94690.1  Short chain dehydrogenase											
FN0495	-0.693	26.215	5.156e-5	2.831e-6	6337	8224	6800.8415	11268.030												
					5153	11175	7085.4818	11175.000	AAL94691.1  Acetyl-CoA acetyltransferase											

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0497					5		6.8751		AAL94693.1  Plasmid addiction system poison protein							
FN0501	-1.208	16.157	5.254e-2	8.588e-2	156	183	167.4185	250.7356	AAL94697.1  Ornithine decarboxylase							
FN0502	0.127	9.046			23		24.6835		AAL94698.1  Phosphoheptose isomerase							
FN0503	0.456	10.900	7.943e-2	1.543e-1	48	18	51.5134	24.6625	AAL94699.1  Transcriptional regulatory protein, LYSR family							
FN0504					3		4.1251		AAL94700.1  Arginine permease							
FN0505	-1.445	10.779	5.441e-2	9.08e-2	23	28	24.6835	38.3639	AAL94701.1  Anthranilate synthase component II							
FN0506	0.847	15.202	1.271e-2	1.085e-2	279	134	299.4216	183.5987	AAL94702.1  Arginyl-tRNA synthetase							
FN0511	-1.270	10.311	1.143e-1	2.706e-1	21	10	22.5371	13.7014	AAL94707.1  D-lactate dehydrogenase							
FN0512	-0.540	15.954	2.949e-7	1.311e-9	196	223	210.3464	305.5412	AAL94708.1  Flavoprotein							
FN0513	2.104	9.160	5.135e-4	9.2e-5	45	11	48.2938	15.0715	AAL94709.1  Flavodoxin							
FN0515									AAL94711.1  Acriflavin resistance protein D							
FN0516									AAL94712.1  Acriflavin resistance protein E							
FN0517									AAL94713.1  Outer membrane protein toIC							
FN0519	-1.477	5.566				8		10.9611	AAL94715.1  Hypothetical exported 24-amino acid repeat protein							
FN0522	-1.278	5.366			3	12	4.1251	12.0000	AAL94718.1  Exonuclease SBCC							
FN0523						3		4.1104	AAL94719.1  Exonuclease SBCCD							

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0524	1.188	7.161	1.317e-3	3.751e-4	17	5	18.2443	6.8507	AAL94720.1  DNA helicase II							
					13	9	17.8753	9.0000								
FN0525	0.038	13.901	2.818e-1	9.405e-1	108	38	115.9051	52.0653	AAL94721.1  Penicillin-binding protein							
					98	192	134.7520	192.0000								
FN0526	-0.479	11.237			34		36.4887		AAL94722.1  Florfenicol resistance protein							
					34	58	46.7507	58.0000								
FN0527	-1.927	8.810	5.171e-3	2.646e-3	10	26	10.7320	35.6236	AAL94723.1  Alanyl-tRNA synthetase							
					8	47	11.0002	47.0000								
FN0528	1.857	17.912	9.068e-3	6.487e-3	951	340	1020.6092	465.8475	AAL94724.1  Cold shock protein							
					633	56	870.3881	56.0000								
FN0535	0.476	11.748	1.946e-3	6.75e-4	61	39	65.4649	53.4355	AAL94731.1  Hypothetical protein							
					53	46	72.8761	46.0000								
FN0536	0.579	15.463	3.396e-2	4.578e-2	242	94	259.7134	128.7931	AAL94732.1  DNA polymerase III, beta chain							
					189	219	259.8789	219.0000								
FN0540	0.149	10.225	2.428e-1	7.688e-1	32	10	34.3423	13.7014	AAL94736.1  Glutamate-1-semialdehyde 2,1-aminomutase							
					28	52	38.5006	52.0000								
FN0542	-0.621	9.000			17	3	18.2443	4.1104	AAL94738.1  Beta 1,4 glucosyltransferase							
						52		52.0000								
FN0543	0.163	9.390	2.35e-1	7.363e-1	28	8	30.0495	10.9611	AAL94739.1  Lipopolysaccharide heptosyltransferase-1							
					18	38	24.7504	38.0000								
FN0544									AAL94740.1  ADP-heptose:LPS heptosyltransferase II							
						3		3.0000								
FN0546									AAL94742.1  Lipopolysaccharide core biosynthesis protein rfaQ							
						6		6.0000								
FN0547	0.493	15.891	9.93e-2	2.168e-1	326	88	349.8618	120.5723	AAL94743.1  RecA protein							
					171	295	235.1285	295.0000								
FN0550	-0.696	9.240			18	34	19.3175	46.5848	AAL94746.1  hypothetical Protein							
						16		16.0000								
FN0552	-1.736	7.554			7	19	7.5124	26.0327	AAL94748.1  Serine racemase							
						24		24.0000								
FN0553	-0.866	13.607	8.074e-2	1.58e-1	85	64	91.2216	87.6890	AAL94749.1  D-serine dehydratase							
					54	214	74.2511	214.0000								

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Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0554	-2.399	5.773			3	8	3.2196	10.9611	AAL94750.1  D-serine permease							
								23		23.0000						
FN0556	-1.821	10.218	6.762e-2	1.232e-1	15	75	16.0979	102.7605	AAL94752.1  unknown							
					15	27	20.6253	27.0000								
FN0557	-2.576	11.851	3.589e-2	4.95e-2	31	59	33.2691	80.8383	AAL94753.1  unknown							
					12	216	16.5002	216.0000								
FN0558	-3.288	13.072			31		33.2691		AAL94754.1  TraT complement resistance protein precursor							
					19	290	26.1254	290.0000								
FN0559	-0.786	14.769	6.733e-2	1.224e-1	100	105	107.3196	143.8647	AAL94755.1  Phosphoglucomutase							
					107	295	147.1272	295.0000								
FN0561	-0.726	10.269	1.729e-2	1.737e-2	24	28	25.7567	38.3639	AAL94757.1  Proline synthetase associated protein							
					21	52	28.8754	52.0000								
FN0562	0.599	14.030	1.887e-2	1.958e-2	157	60	168.4917	82.2084	AAL94758.1  Hypothetical cytosolic protein							
					109	128	149.8773	128.0000								
FN0563	0.162	6.285	2.466e-1	7.849e-1	11	10	11.8052	13.7014	AAL94759.1  putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					5	3	6.8751	3.0000								
FN0574					4		4.2928		AAL94770.1  Hypothetical cytosolic protein							
FN0576	-0.250	10.474	1.173e-1	2.812e-1	26	25	27.9031	34.2535	AAL94772.1  hypothetical protein							
					30	48	41.2506	48.0000								
FN0577									AAL94773.1  Hypothetical protein							
								11		11.0000						
FN0579	-1.593	18.792	2.565e-2	3.024e-2	350	1109	375.6185	1519.4851	AAL94775.1  Hypothetical cytosolic protein							
					291	821	400.1310	821.0000								
FN0580									AAL94776.1  Penicillin-binding protein							
								4		4.0000						
FN0581	-0.219	5.781							AAL94777.1  Lipoprotein releasing system transmembrane protein l0E							
					5	8	6.8751	8.0000								
FN0582	0.210	8.550			26		27.9031		AAL94778.1  Lipoprotein releasing system ATP-binding protein l0D							
					10	18	13.7502	18.0000								
FN0583									AAL94779.1  Hypothetical Exported Protein							
								21		21.0000						

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 Filter by category:

Proteins found: 1305

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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

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Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg								
										-6	-4	-2	0	2	4	6
FN0585	-1.944	6.148			4	19	4.2928	26.0327	AAL94781.1   Two-component response regulator czcR							
								7		7.0000						
FN0586	-1.599	5.802			4		4.2928		AAL94782.1   Two-component sensor kinase czcS							
								13		13.0000						
FN0590	-2.019	7.489	6.446e-2	1.154e-1	6	8	6.4392	10.9611	AAL94786.1   N-acyl-L-amino acid amidohydrolase							
					5	43	6.8751	43.0000								
FN0592	-0.173	12.083	1.066e-1	2.44e-1	49	51	52.5866	69.8771	AAL94788.1   ATP-dependent DNA helicase pcrA							
					52	70	71.5011	70.0000								
FN0593	0.047	11.121	1.803e-1	5.145e-1	42	32	45.0742	43.8445	AAL94789.1   UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase							
					37	49	50.8758	49.0000								
FN0594	-4.406	10.610			8		8.5856		AAL94790.1   (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase							
								182		182.0000						
FN0595	0.403	9.913			14		15.0247		AAL94791.1   Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase							
					41	27	56.3758	27.0000								
FN0596	-0.441	7.815			12	8	12.8783	10.9611	AAL94792.1   Hypothetical protein							
								24		24.0000						
FN0597	-1.184	9.156	2.985e-3	1.217e-3	18	27	19.3175	36.9938	AAL94793.1   Lipid-A-disaccharide synthase							
					9	35	12.3752	35.0000								
FN0598	0.864	8.436	1.403e-2	1.267e-2	25	7	26.8299	9.5910	AAL94794.1   Phospholipid-lipopolysaccharide ABC transporter							
					17	18	23.3754	18.0000								
FN0600	0.296	12.609	2.003e-1	5.977e-1	94	18	100.8804	24.6625	AAL94796.1   Hypothetical protein							
					54	118	74.2511	118.0000								
FN0602	-0.033	13.917	2.575e-1	8.315e-1	110	107	118.0515	146.6050	AAL94798.1   Hypothetical protein							
					93	105	127.8769	105.0000								
FN0603									AAL94799.1   Transcriptional regulatory protein, LYSR family							
						8	8.0000									
FN0605									AAL94801.1   Aspartate aminotransferase							
					5		6.8751									
FN0608	-1.241	12.447	3.975e-2	5.704e-2	47	56	50.4402	76.7278	AAL94804.1   Exoribonuclease II							
					34	153	46.7507	153.0000								
FN0609									AAL94805.1   Small protein B							
						6	6.0000									

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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**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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0610	-0.157	15.454	2.281e-1	7.085e-1	201	93	215.7123	127.4230	AAL94806.1  unknown							
					135	320	185.6278	320.0000								
FN0611	-0.502	18.161	8.272e-3	5.665e-3	471	461	505.4752	631.6345	AAL94807.1  Threonyl-tRNA synthetase							
					294	657	404.2561	657.0000								
FN0612	1.495	12.095	3.393e-2	4.572e-2	66	13	70.8309	17.8118	AAL94808.1  Hypothetical protein							
					110	61	151.2523	61.0000								
FN0615									AAL94811.1  Export ABC transporter							
						3		4.1104								
FN0616	2.583	8.198			50		53.6598		AAL94812.1  Hypothetical protein							
					22	7	30.2505	7.0000								
FN0617	-0.985	15.912	8.778e-2	1.788e-1	170	380	182.4433	520.6531	AAL94813.1  DNA polymerase III, beta chain							
					124	178	170.5026	178.0000								
FN0618	-0.609	13.016	1.303e-1	3.288e-1	72	40	77.2701	54.8056	AAL94814.1  Spermidine/putrescine-binding protein							
					51	170	70.1261	170.0000								
FN0619	0.192	7.646				4		5.4806	AAL94815.1  Small-conductance mechanosensitive channel							
					11	21	15.1252	21.0000								
FN0621	0.106	11.642	2.437e-1	7.723e-1	67	54	71.9041	73.9876	AAL94817.1  4-hydroxybutyrate coenzyme A transferase							
					33	35	45.3757	35.0000								
FN0622	-3.105	7.252	4.485e-2	6.767e-2	4	12	4.2928	16.4417	AAL94818.1  8-oxoguanine DNA glycosylase							
					3	56	4.1251	56.0000								
FN0625	1.071	9.793			51	15	54.7330	20.5521	AAL94821.1  Aspartate aminotransferase							
					23		31.6255									
FN0627	1.648	14.798	6.612e-3	3.834e-3	284	37	304.7876	50.6952	AAL94823.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					213	140	292.8794	140.0000								
FN0628					20		21.4639		AAL94824.1  Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)							
					14		19.2503									
FN0629	1.353	9.353			39		41.8546		AAL94825.1  PTS system, IID component							
					29	16	39.8756	16.0000								
FN0630					34		36.4887		AAL94826.1  PTS system, IIC component							
					11		15.1252									
FN0631	-0.378	7.797			9		9.6588		AAL94827.1  PTS system, IIB component							
					12	17	16.5002	17.0000								

Show detected proteins only  
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Proteins found: 1305

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

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

Protein	FnPgSg vs FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0633	-1.077	6.737			3		3.2196													
					8	15	11.0002	15.0000	AAL94829.1   Replication protein											
FN0634	0.016	13.546	2.897e-1	9.78e-1	105	131	112.6856	179.4883	AAL94830.1   GTP-binding protein TypA/BipA											
					78	38	107.2516	38.0000												
FN0637					4		4.2928		AAL94833.1   Hypothetical exported 24-amino acid repeat protein											
					5		6.8751													
FN0643	-1.016	8.785	4.744e-2	7.347e-2	16	29	17.1711	39.7341	AAL94839.1   hypothetical DNA-binding protein											
					9	20	12.3752	20.0000												
FN0644	-0.395	10.952	9.26e-2	1.941e-1	48	38	51.5134	52.0653	AAL94840.1   Uroporphyrin-III C-methyltransferase											
					19	50	26.1254	50.0000												
FN0645	-0.136	5.670	2.437e-1	7.726e-1	5	8	5.3660	10.9611	AAL94841.1   Porphobilinogen deaminase											
					6	4	8.2501	4.0000												
FN0646					11		11.8052		AAL94842.1   Glutamyl-tRNA reductase											
FN0647					5		5.3660		AAL94843.1   transcriptional regulator											
FN0649						6		8.2208	AAL94845.1   Exoenzymes regulatory protein aepA precursor											
FN0652	-1.204	23.474	5.014e-2	7.989e-2	2302	2352	2470.4966	3222.5689	AAL94848.1   Glyceraldehyde 3-phosphate dehydrogenase											
					1474	7137	2026.7806	7137.0000												
FN0653	-1.484	10.535	2.845e-2	3.52e-2	16	32	17.1711	43.8445	AAL94849.1   unknown											
					21	85	28.8754	85.0000												
FN0654	-0.528	18.139	5.338e-2	8.806e-2	366	368	392.7896	504.2115	AAL94850.1   Phosphoglycerate kinase											
					365	786	501.8826	786.0000												
FN0655	2.287	9.206			36		38.6350		AAL94851.1   unknown											
					50	11	68.7510	11.0000												
FN0656					33		35.4155		AAL94852.1   Hypothetical protein											
					26		35.7505													
FN0657									AAL94853.1   Acetyltransferase											
						22		22.0000												
FN0658	1.414	13.378	1.064e-6	1.419e-8	155	47	166.3453	64.3966	AAL94854.1   ABC transporter substrate-binding protein											
					124	62	170.5026	62.0000												

Show detected proteins only  
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Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0660	-0.340	6.351	1.009e-1	2.225e-1	6	9	6.4392	12.3313	AAL94856.1  ABC transporter ATP-binding protein							
					7	8	9.6251	8.0000								
FN0662	-0.121	11.303	2.691e-1	8.829e-1	45	5	48.2938	6.8507	AAL94858.1  Formiminoglutamase							
					35	98	48.1257	98.0000								
FN0664	0.742	12.874	5.797e-2	9.97e-2	123	73	132.0031	100.0202	AAL94860.1  2-nitropropane dioxygenase							
					67	34	92.1264	34.0000								
FN0668	-0.710	7.754	1.171e-1	2.803e-1	15	7	16.0979	9.5910	AAL94864.1  High-affinity zinc uptake system protein znuA precursor							
					5	28	6.8751	28.0000								
FN0672	0.629	6.629							AAL94868.1  ATPase							
					9	8	12.3752	8.0000								
FN0675	-0.340	20.634	2.088e-1	6.325e-1	974	331	1045.2927	453.5163	AAL94871.1  60 kDa chaperonin GROEL							
					889	2417	1222.3934	2417.0000								
FN0676	0.993	11.977			76		81.5629		AAL94872.1  10 kDa chaperonin GROES							
					71	45	97.6265	45.0000								
FN0677	-1.397	10.579	3.454e-2	4.698e-2	18	62	19.3175	84.9487	AAL94873.1  Hypothetical protein							
					21	42	28.8754	42.0000								
FN0678	1.217	10.191	3.294e-2	4.369e-2	51	5	54.7330	6.8507	AAL94874.1  Ser/Thr protein kinase							
					36	38	49.5007	38.0000								
FN0679	-1.990	6.079				21		28.7729	AAL94875.1  GTPase							
					3	4	4.1251	4.0000								
FN0680	-0.422	5.578			6		6.4392		AAL94876.1  Ribulose-phosphate 3-epimerase							
					4	8	5.5001	8.0000								
FN0681	-0.701	15.810	2.402e-2	2.75e-2	176	260	188.8825	356.2364	AAL94877.1  Transcriptional regulator, MarR family							
					136	255	187.0028	255.0000								
FN0682	-0.111	8.535	2.443e-1	7.748e-1	23	19	24.6835	26.0327	AAL94878.1  Fibronectin-binding protein-like protein A							
					9	14	12.3752	14.0000								
FN0684	-2.867	6.240			3	8	3.2196	10.9611	AAL94880.1  Prismane protein							
						36		36.0000								
FN0685	-3.531	9.978			11		11.8052		AAL94881.1  Sodium/pantothenate symporter							
					5	108	6.8751	108.0000								
FN0688	-1.621	7.994			8		8.5856		AAL94884.1  Hypothetical protein							
					7	28	9.6251	28.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

Test Cutoff

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

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0689	0.123	13.758	2.44e-1	7.739e-1	120	42	128.7835	57.5459	AAL94885.1  Hypothetical protein							
					85	168	116.8768	168.0000								
FN0692									AAL94888.1  Nitrogen regulation protein NIFR3							
					3		4.1251									
FN0693	-0.800	7.923			11	15	11.8052	20.5521	AAL94889.1  DNA mismatch repair protein mutS							
FN0694	0.324	10.894	2.604e-2	3.092e-2	41	27	44.0010	36.9938	AAL94890.1  S-layer protein							
					39	41	53.6258	41.0000								
FN0695	-0.077	9.403	2.599e-1	8.421e-1	28	12	30.0495	16.4417	AAL94891.1  ABC transporter ATP-binding protein							
					15	37	20.6253	37.0000								
FN0697	0.610	14.744	8.259e-3	5.648e-3	202	114	216.7855	156.1959	AAL94893.1  Alanyl-tRNA synthetase							
					140	112	192.5029	112.0000								
FN0699	1.455	11.509	6.894e-3	4.104e-3	82	33	88.0021	45.2146	AAL94895.1  Protein translocase subunit secD							
					66	20	90.7514	20.0000								
FN0700	0.847	9.046	2.532e-2	2.968e-2	28	17	30.0495	23.2924	AAL94896.1  Protein translocase subunit secF							
					23	11	31.6255	11.0000								
FN0701	0.082	14.930	7.371e-2	1.388e-1	176	120	188.8825	164.4168	AAL94897.1  Methyltransferase							
					127	179	174.6276	179.0000								
FN0705	0.020	12.428	2.809e-1	9.364e-1	65	39	69.7577	53.4355	AAL94901.1  DNA polymerase I							
					58	94	79.7512	94.0000								
FN0706					6		6.4392		AAL94902.1  Hypothetical cytosolic protein							
FN0707	-0.572	6.849	1.271e-1	3.164e-1	10	14	10.7320	19.1820	AAL94903.1  Riboflavin kinase							
					5	7	6.8751	7.0000								
FN0710	-0.314	11.337	5.238e-2	8.549e-2	44	47	47.2206	64.3966	AAL94906.1  Hypothetical protein							
					32	49	44.0007	49.0000								
FN0711	-0.854	7.321			6		6.4392		AAL94907.1  Phosphopantothenate--cysteine ligase							
					9	17	12.3752	17.0000								
FN0714						7		9.5910	AAL94910.1  NADH oxidase							
						7		7.0000								
FN0715	0.717	15.170	8.524e-2	1.711e-1	264	177	283.3237	242.5148	AAL94911.1  Hypothetical protein							
					152	57	209.0032	57.0000								

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0716	-0.331	10.001	1.889e-1	5.491e-1	25	40	26.8299	54.8056	AAL94912.1  hypothetical protein							
					22	17	30.2505	17.0000								
FN0717					5		5.3660		AAL94913.1  Ribosomal small subunit pseudouridine synthase A							
FN0720	-0.610	11.783	2.682e-2	3.226e-2	46	45	49.3670	61.6563	AAL94916.1  Protein Translation Elongation Factor P (EF-P)							
					34	85	46.7507	85.0000								
FN0721	1.392	9.191	9.474e-3	6.935e-3	32	5	34.3423	6.8507	AAL94917.1  Hypothetical protein							
					32	23	44.0007	23.0000								
FN0722	-1.198	5.402			4	10	4.2928	13.7014	AAL94918.1  WD-repeat family protein							
						6		6.0000								
FN0723									AAL94919.1  Hypothetical protein							
						4		4.0000								
FN0724	-0.183	11.305	9.02e-2	1.864e-1	38	41	40.7814	56.1757	AAL94920.1  Flavodoxin							
					39	51	53.6258	51.0000								
FN0725	-0.623	7.485	1.33e-1	3.392e-1	6	6	6.4392	8.2208	AAL94921.1  Molybdopterin biosynthesis MoeB protein							
					11	25	15.1252	25.0000								
FN0728	-0.092	10.709	2.338e-2	2.648e-2	38	31	40.7814	42.4743	AAL94924.1  Hypothetical protein							
					28	42	38.5006	42.0000								
FN0729	0.074	14.548	2.571e-1	8.297e-1	146	153	156.6866	209.6314	AAL94925.1  Phosphoglycerate mutase							
					117	92	160.8774	92.0000								
FN0731	-1.028	9.912	6.179e-2	1.091e-1	20	45	21.4639	61.6563	AAL94927.1  Hypothetical protein							
					16	27	22.0003	27.0000								
FN0733	1.123	13.570	3.011e-3	1.233e-3	147	66	157.7598	90.4292	AAL94929.1  Peptidase T							
					122	59	167.7525	59.0000								
FN0735	-0.072	13.661	2.727e-1	8.987e-1	89	136	95.5144	186.3390	AAL94931.1  Cell surface protein							
					92	47	126.5019	47.0000								
FN0736	0.349	5.716	1.385e-1	3.605e-1	5	5	5.3660	6.8507	AAL94932.1  Methyltransferase							
					8	6	11.0002	6.0000								
FN0737	-0.908	8.707			15		16.0979		AAL94933.1  Hypothetical protein							
					10	28	13.7502	28.0000								
FN0738	-0.894	9.757	9.526e-3	6.993e-3	21	33	22.5371	45.2146	AAL94934.1  Hypothetical exported 24-amino acid repeat protein							
					15	35	20.6253	35.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0739	1.104	16.041	5.335e-4	9.82e-5	338	125	362.7402	171.2675	AAL94935.1  Formiminotetrahydrofolate cyclodeaminase							
					290	183	398.7560	183.0000								
FN0740	-0.393	16.992	1.717e-1	4.807e-1	308	147	330.5443	201.4106	AAL94936.1  Imidazolonepropionase							
					218	626	299.7545	626.0000								
FN0741	0.542	18.574	8.821e-2	1.802e-1	659	206	707.2360	282.2488	AAL94937.1  Glutamate formiminotransferase							
					582	753	800.2621	753.0000								
FN0742	-0.060	11.605			66		70.8309		AAL94938.1  unknown							
					28	57	38.5006	57.0000								
FN0743					13		13.9515		AAL94939.1  ATP-dependent helicase, DinG family							
					9		12.3752									
FN0745	0.039	13.594	2.765e-1	9.162e-1	114	47	122.3443	64.3966	AAL94941.1  metal dependent phosphohydrolase							
					75	155	103.1266	155.0000								
FN0746									AAL94942.1  Hypothetical Metal-Binding Protein							
							17	23.2924								
FN0749									AAL94945.1  Hypothetical protein							
					4		5.5001									
FN0750	-1.055	7.594	2.892e-2	3.608e-2	9	11	9.6588	15.0715	AAL94946.1  Hypothetical protein							
					7	25	9.6251	25.0000								
FN0751	-0.070	7.927	2.538e-1	8.153e-1	13	8	13.9515	10.9611	AAL94947.1  L-asparaginase I							
					12	21	16.5002	21.0000								
FN0752	-1.180	6.584	1.005e-1	2.212e-1	7	4	7.5124	5.4806	AAL94948.1  Proline iminopeptidase							
					4	24	5.5001	24.0000								
FN0753	0.384	13.604	4.261e-4	6.832e-5	121	74	129.8567	101.3903	AAL94949.1  Glutamyl-tRNA(Gln) amidotransferase subunit B							
					91	94	125.1269	94.0000								
FN0754	0.132	13.730	1.904e-1	5.553e-1	130	64	139.5154	87.6890	AAL94950.1  Glutamyl-tRNA(Gln) amidotransferase subunit A							
					76	135	104.5016	135.0000								
FN0755	0.249	10.243	6.245e-2	1.106e-1	31	24	33.2691	32.8834	AAL94951.1  Glutamyl-tRNA(Gln) amidotransferase subunit C							
					31	31	42.6256	31.0000								
FN0758	-0.315	14.064	2.591e-2	3.069e-2	111	97	119.1247	132.9036	AAL94954.1  Rod shape-determining protein mreB							
					84	159	115.5017	159.0000								
FN0761	-1.488	9.008			15		16.0979		AAL94957.1  Bvg accessory factor							
					8	38	11.0002	38.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
<b>FN0765</b>	-0.705	4.909			4	7	4.2928	7.0000	AAL94961.1  tRNA (5-methylaminomethyl -2-thiouridylate) -methyltransferase							
<b>FN0766</b>					20		27.5004		AAL94962.1  Large-conductance mechanosensitive channel							
<b>FN0768</b>	0.102	4.102			4	4	4.2928	4.0000	AAL94964.1  Hemin receptor							
<b>FN0774</b>	1.049	13.142	9.962e-3	7.501e-3	105	60	112.6856	82.2084	AAL94970.1  Hypothetical cytosolic protein							
<b>FN0775</b>	-0.334	16.039	1.62e-1	4.443e-1	218	126	233.9567	172.6376	AAL94971.1  Aspartyl aminopeptidase							
<b>FN0776</b>	-0.264	12.011	1.524e-2	1.451e-2	58	48	62.2454	65.7667	AAL94972.1  Aspartate-ammonia ligase							
<b>FN0777</b>	1.076	12.019	1.108e-4	1.037e-5	91	29	97.6608	39.7341	AAL94973.1  GTP-binding protein lepA							
<b>FN0778</b>	-0.074	7.912				5		6.8507	AAL94974.1  Methyltransferase							
<b>FN0779</b>								5.0000	AAL94975.1  Putative GTPases (G3E family)							
<b>FN0783</b>	0.817	24.016	1.433e-2	1.31e-2	5918	2527	6351.1725	3462.3434	AAL94979.1  acyl-CoA dehydrogenase							
<b>FN0784</b>	0.218	22.331	1.348e-1	3.467e-1	1997	1903	2143.1719	2607.3761	AAL94980.1  Electron transfer flavoprotein beta-subunit							
<b>FN0785</b>	-0.366	21.485	1.978e-2	2.089e-2	1458	1553	1564.7194	2127.8272	AAL94981.1  Electron transfer flavoprotein alpha-subunit							
<b>FN0788</b>	-0.581	9.475	1.342e-2	1.181e-2	24	25	25.7567	34.2535	AAL94984.1  unknown							
<b>FN0790</b>	-0.174	5.022			5	3	5.3660	4.1104	AAL94986.1  Xylose repressor							
<b>FN0791</b>	-0.262	18.129	7.291e-2	1.367e-1	459	367	492.5969	502.8413	AAL94987.1  Histidine ammonia-lyase							
<b>FN0792</b>	-0.382	20.099	1.319e-1	3.348e-1	823	573	883.2401	785.0901	AAL94988.1  Urocanate hydratase							

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw				Normalized				Log <sub>2</sub> Ratios					
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
<b>FN0793</b>	1.334	8.504			22	12	30.2505	12.0000			AAL94989.1  Sodium/glutamate symport carrier protein							
<b>FN0794</b>	-0.998	6.816			7		7.5124				AAL94990.1  Hypothetical protein							
<b>FN0796</b>	-0.387	14.519	6.494e-2	1.166e-1	128	104	137.3691	142.4945			AAL94992.1  Pyruvate,phosphate dikinase							
<b>FN0798</b>	0.512	7.554	1.03e-1	2.302e-1	10	8	10.7320	10.9611			AAL94994.1  Fructose-1,6-bisphosphatase							
<b>FN0799</b>	-0.589	8.193			13	8	13.9515	10.9611			AAL94995.1  Isoamylase							
<b>FN0800</b>	1.601	11.811	1.504e-2	1.419e-2	110	5	118.0515	6.8507			AAL94996.1  Amino acid-binding protein							
<b>FN0801</b>											AAL94997.1  Amino acid transport ATP-binding protein							
<b>FN0802</b>											AAL94998.1  Amino acid transport system permease protein							
<b>FN0803</b>	-0.030	11.480	2.651e-1	8.648e-1	55	46	59.0258	63.0264			AAL94999.1  Cytochrome C-TYPE biogenesis protein ccdA							
<b>FN0805</b>	-1.738	5.884	1.516e-3	4.597e-4	4	11	4.2928	15.0715			AAL95001.1  Hypothetical protein							
<b>FN0806</b>	0.253	12.312	5.498e-2	9.234e-2	81	45	86.9289	61.6563			AAL95002.1  SpoIID homolog							
<b>FN0807</b>	-0.207	10.006	2.849e-2	3.526e-2	30	24	32.1959	32.8834			AAL95003.1  3-deoxy-manno-octulosonate cytidyltransferase							
<b>FN0808</b>	-0.586	11.723	1.062e-2	8.316e-3	50	58	53.6598	79.4681			AAL95004.1  Phosphoglycerate mutase							
<b>FN0809</b>	0.561	6.561			11		11.8052				AAL95005.1  23S rRNA methyltransferase							
<b>FN0810</b>	-1.603	9.977	3.696e-3	1.683e-3	16	45	17.1711	61.6563			AAL95006.1  Low-specificity threonine aldolase							
<b>FN0813</b>	-2.063	8.581			14		15.0247				AAL95009.1  Transcriptional regulator, TetR family							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0814	3.210	12.677	1.028e-4	8.812e-6	241	33	258.6402	45.2146	AAL95010.1  Propionate CoA-transferase							
					170	8	233.7535	8.0000								
FN0815					61		65.4649		AAL95011.1  Propionate permease							
					41		56.3758									
FN0816	0.574	12.126			70	40	75.1237	54.8056	AAL95012.1  dehydrogenase with MaoC-like domain							
					64		88.0013									
FN0818	0.777	19.073	3.084e-2	3.959e-2	852	567	914.3628	776.8693	AAL95014.1  DNA-binding protein HU							
					749	358	1029.8905	358.0000								
FN0819	0.453	11.837	6.012e-2	1.051e-1	55	47	59.0258	64.3966	AAL95015.1  Tetratricopeptide repeat family protein							
					60	39	82.5012	39.0000								
FN0820	-0.211	14.484	1.36e-1	3.515e-1	120	94	128.7835	128.7931	AAL95016.1  Mercuric reductase							
					111	197	152.6273	197.0000								
FN0821	-0.841	11.986	1.092e-1	2.534e-1	40	96	42.9278	131.5334	AAL95017.1  Hypothetical protein							
					38	39	52.2508	39.0000								
FN0823	-0.979	9.728	4.119e-2	5.994e-2	22	21	23.6103	28.7729	AAL95019.1  GTP-binding protein hflX							
					13	53	17.8753	53.0000								
FN0825	-0.461	10.661	1.347e-1	3.462e-1	37	20	39.7082	27.4028	AAL95021.1  Hypothetical cytosolic protein							
					21	67	28.8754	67.0000								
FN0826	1.282	8.916	4.308e-3	2.06e-3	28	14	30.0495	19.1820	AAL95022.1  periplasmic component of efflux system							
					28	9	38.5006	9.0000								
FN0827	0.587	7.870	6.144e-3	3.415e-3	17	8	18.2443	10.9611	AAL95023.1  ABC transporter ATP-binding protein							
					14	14	19.2503	14.0000								
FN0828					6		6.4392		AAL95024.1  ABC transporter permease protein							
FN0830	-2.398	9.868	1.125e-3	2.942e-4	12	55	12.8783	75.3577	AAL95026.1  Hypothetical protein							
					10	65	13.7502	65.0000								
FN0831						13		17.8118	AAL95027.1  Hemin receptor							
						6		6.0000								
FN0832	0.117	12.865	2.631e-1	8.56e-1	92	105	98.7340	143.8647	AAL95028.1  Hypothetical protein							
					59	22	81.1262	22.0000								
FN0833	1.516	6.160			10		10.7320		AAL95029.1  Hypothetical protein							
					13	5	17.8753	5.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

Test Cutoff

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



Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg								
										-6	-4	-2	0	2	4	6
FN0834	-0.455	9.246	1.962e-1	5.8e-1	20	37	21.4639	50.6952	AAL95030.1  Hypothetical Exported Protein							
					15	7	20.6253	7.0000								
FN0835						27		36.9938	AAL95031.1  Hypothetical protein							
						4		4.0000								
FN0836	-0.677	9.270	1.011e-1	2.233e-1	11	32	11.8052	43.8445	AAL95032.1  Hypothetical protein							
					20	19	27.5004	19.0000								
FN0846	-1.126	12.326	1.663e-3	5.269e-4	43	83	46.1474	113.7216	AAL95042.1  Hypothetical Exported Protein							
					37	98	50.8758	98.0000								
FN0847	-0.233	5.767			5		5.3660		AAL95043.1  TPR-repeat-containing proteins							
					6	8	8.2501	8.0000								
FN0848						5		6.8507	AAL95044.1  Hypothetical protein							
FN0849	-1.551	10.246	3.315e-6	7.371e-8	20	44	21.4639	60.2862	AAL95045.1  8-amino-7-oxononanoate synthase							
					14	59	19.2503	59.0000								
FN0850	-1.578	7.854	1.143e-2	9.277e-3	10	15	10.7320	20.5521	AAL95046.1  Hypothetical cytosolic protein							
					5	32	6.8751	32.0000								
FN0853	-1.742	11.830	4.891e-3	2.447e-3	32	91	34.3423	124.6827	AAL95049.1  Glycogen synthase							
					23	96	31.6255	96.0000								
FN0854	-1.404	13.323	6.587e-3	3.811e-3	66	139	70.8309	190.4494	AAL95050.1  Glucose-1-phosphate adenylyltransferase							
					39	139	53.6258	139.0000								
FN0855	-1.327	13.719	2.082e-2	2.247e-2	70	102	75.1237	139.7543	AAL95051.1  Glucose-1-phosphate adenylyltransferase							
					52	228	71.5011	228.0000								
FN0856	-1.851	12.942	1.324e-3	3.785e-4	55	124	59.0258	169.8973	AAL95052.1  1,4-alpha-glucan branching enzyme							
					25	167	34.3755	167.0000								
FN0857	-0.663	15.476	3.839e-2	5.435e-2	165	155	177.0773	212.3717	AAL95053.1  Glycogen phosphorylase							
					118	325	162.2524	325.0000								
FN0858	-3.221	8.261	6.376e-4	1.248e-4	3	35	3.2196	47.9549	AAL95054.1  4-alpha-glucanotransferase							
					6	59	8.2501	59.0000								
FN0865	-3.055	12.095	8.846e-2	1.809e-1	12	17	12.8783	23.2924	AAL95061.1  unknown							
					24	358	33.0005	358.0000								
FN0867	1.450	11.533	1.722e-3	5.555e-4	78	24	83.7093	32.8834	AAL95063.1  Long-chain-fatty-acid--CoA ligase							
					70	33	96.2515	33.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0869	-0.313	3.687			3		3.2196		AAL95065.1  Hydrolase (HAD superfamily)							
						4		4.0000								
FN0870					10		10.7320		AAL95066.1  Rhodanese-related sulfurtransferases							
					9		12.3752									
FN0871	-0.728	7.272			9		9.6588		AAL95067.1  3-dehydroquinase synthase							
						16		16.0000								
FN0873	-1.577	10.347	7.887e-2	1.527e-1	21	18	22.5371	24.6625	AAL95069.1  Protease IV							
					14	100	19.2503	100.0000								
FN0874									AAL95070.1  Phosphohydrolase (MUTT/NUDIX family protein)							
						11		11.0000								
FN0875					5		5.3660		AAL95071.1  23S rRNA methyltransferase							
FN0878	1.112	8.383	1.551e-2	1.494e-2	27	5	28.9763	6.8507	AAL95074.1  Transcriptional regulator, GntR family							
					18	18	24.7504	18.0000								
FN0886					3		3.2196		AAL95082.1  Hemin receptor							
FN0887	0.587	10.397	3.454e-2	4.699e-2	48	16	51.5134	21.9222	AAL95083.1  Oligoendopeptidase F							
					28	38	38.5006	38.0000								
FN0888	0.754	8.976	3.335e-2	4.452e-2	21	15	22.5371	20.5521	AAL95084.1  Uracil permease							
					26	14	35.7505	14.0000								
FN0889						37		50.6952	AAL95085.1  hypothetical protein							
						9		9.0000								
FN0893	0.733	6.348			14		15.0247		AAL95089.1  Hypothetical protein							
					6	7	8.2501	7.0000								
FN0896	0.187	7.824	2.098e-1	6.365e-1	12	6	12.8783	8.2208	AAL95092.1  Hypothetical protein							
					14	20	19.2503	20.0000								
FN0898									AAL95094.1  Hypothetical protein							
						5		5.0000								
FN0900						6		8.2208	AAL95096.1  Metal dependent hydrolase							
						3		3.0000								
FN0901									AAL95097.1  DNA polymerase, bacteriophage-type							
						9		9.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

Test Cutoff

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg								
										-6	-4	-2	0	2	4	6
FN0902					6		6.4392		AAL95098.1  5-formyltetrahydrofolate cyclo-ligase							
					8		11.0002									
FN0903	-0.527	8.607	2.865e-2	3.556e-2	14	20	15.0247	27.4028	AAL95099.1  Polysialic acid capsule expression protein kpsF							
					13	20	17.8753	20.0000								
FN0904									AAL95100.1  NAD(FAD)-utilizing dehydrogenases							
						4		4.0000								
FN0905					11		11.8052		AAL95101.1  Hypothetical protein							
					10		13.7502									
FN0906	-0.981	8.100	3.369e-3	1.468e-3	13	15	13.9515	20.5521	AAL95102.1  Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					7	26	9.6251	26.0000								
FN0908	0.159	7.973			12		12.8783		AAL95104.1  Tpl protein							
					15	15	20.6253	15.0000								
FN0909									AAL95105.1  DNA repair protein radC							
						7		9.5910								
FN0910									AAL95106.1  Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
						8		8.0000								
FN0911	-0.261	6.079			7		7.5124		AAL95107.1  Alpha-ribazole-5'-phosphate phosphatase							
						9		9.0000								
FN0912									AAL95108.1  Cobalamin [5'-phosphate] synthase							
						19		19.0000								
FN0913	-1.635	5.009			3		3.2196		AAL95109.1  Cobinamide kinase							
						10		10.0000								
FN0915	-0.471	10.179	1.562e-1	4.232e-1	27	14	28.9763	19.1820	AAL95111.1  PTS system, N-acetylglucosamine-specific IIA component							
					21	61	28.8754	61.0000								
FN0916	1.052	15.226	7.365e-3	4.589e-3	301	70	323.0319	95.9098	AAL95112.1  Hypothetical Exported Protein							
					175	176	240.6286	176.0000								
FN0917	0.044	4.044							AAL95113.1  Hypothetical protein							
					3	4	4.1251	4.0000								
FN0920	-0.475	6.169			7		7.5124		AAL95116.1  Protease HTPX							
					5	10	6.8751	10.0000								
FN0921	-2.019	8.964			13		13.9515		AAL95117.1  Hypothetical protein							
					6	45	8.2501	45.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0922					3		3.2196		AAL95118.1  Homoserine kinase							
FN0923								4	4.0000	AAL95119.1  Cardiolipin synthetase						
FN0924										AAL95120.1  Hypothetical protein						
FN0925	0.578	5.748			9		9.6588		AAL95121.1  Hypothetical protein							
					6	6	8.2501	6.0000								
FN0926	-2.171	8.664	1.13e-4	1.085e-5	10	31	10.7320	42.4743	AAL95122.1  GTP pyrophosphokinase							
					6	43	8.2501	43.0000								
FN0928	-0.654	5.990			8		8.5856		AAL95124.1  O-sialoglycoprotein endopeptidase							
					3	10	4.1251	10.0000								
FN0929	-1.182	7.271							AAL95125.1  ATP/GTP hydrolase							
					6	21	8.2501	21.0000								
FN0930						7		9.5910	AAL95126.1  Glycerol-3-phosphate cytidyltransferase							
						3		3.0000								
FN0932	-1.329	6.485			6		6.4392		AAL95128.1  Hypothetical protein							
					4	15	5.5001	15.0000								
FN0933					3		3.2196		AAL95129.1  3-phosphoshikimate 1-carboxyvinyltransferase							
FN0934									AAL95130.1  Chorismate synthase							
FN0938									AAL95134.1  Hypothetical protein							
FN0940	-1.827	8.888			10		10.7320		AAL95136.1  Hypothetical protein							
					9	41	12.3752	41.0000								
FN0941	-1.101	11.022	6.863e-3	4.075e-3	26	42	27.9031	57.5459	AAL95137.1  Gamma-glutamyltranspeptidase							
					25	76	34.3755	76.0000								
FN0943	-2.841	7.334			5		5.3660		AAL95139.1  Sensory Transduction Protein Kinase							
					3	34	4.1251	34.0000								
FN0944									AAL95140.1  Na+ driven multidrug efflux pump							

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0947	0.359	13.050	1.111e-1	2.599e-1	88	80	94.4412	109.6112	AAL95143.1  Hypothetical protein							
					83	53	114.1267	53.0000								
FN0949	0.379	14.813	1.925e-1	5.644e-1	185	196	198.5412	268.5474	AAL95145.1  DNA helicase							
					137	29	188.3778	29.0000								
FN0951						4		5.4806	AAL95147.1  Precorrin-3B C17-methyltransferase							
						17		17.0000								
FN0957	-0.064	9.114	2.587e-1	8.367e-1	16	22	17.1711	30.1431	AAL95153.1  Precorrin-4 C11-methyltransferase							
					21	18	28.8754	18.0000								
FN0958						20		27.4028	AAL95154.1  unknown							
FN0959	0.212	7.633	2.124e-1	6.467e-1	18	14	19.3175	19.1820	AAL95155.1  Precorrin-2 C20-methyltransferase							
					8	7	11.0002	7.0000								
FN0961						6		8.2208	AAL95157.1  Hypothetical protein							
						18		18.0000								
FN0962	-0.721	9.470	7.793e-3	5.072e-3	22	28	23.6103	38.3639	AAL95158.1  Hypothetical cytosolic protein							
					13	30	17.8753	30.0000								
FN0964	0.098	5.465				5		6.8507	AAL95160.1  Precorrin-8W decarboxylase							
					5	6	6.8751	6.0000								
FN0965	-0.478	11.451	4.843e-2	7.579e-2	31	51	33.2691	69.8771	AAL95161.1  D-3-phosphoglycerate dehydrogenase							
					41	55	56.3758	55.0000								
FN0966						3		3.0000	AAL95162.1  Precorrin-6Y C5,15-methyltransferase (decarboxylating)							
FN0967	-1.575	4.949			3	7	3.2196	9.5910	AAL95163.1  CbiD protein							
FN0970	0.581	7.829			19	9	20.3907	12.3313	AAL95166.1  Precorrin-8X methylmutase							
					12		16.5002									
FN0972						3		4.1104	AAL95168.1  Cobyrinic acid a,c-diamide synthase							
						22		22.0000								
FN0974						4		4.0000	AAL95170.1  Lactoylglutathione lyase							
FN0976	-0.113	10.941	1.466e-2	1.36e-2	41	33	44.0010	45.2146	AAL95172.1  Hypothetical protein							
					30	47	41.2506	47.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0977	0.440	7.934	1.22e-1	2.977e-1	16	5	17.1711	6.8507	AAL95173.1  Cobyric acid synthase							
					14	20	19.2503	20.0000								
FN0981	0.767	13.495	5.68e-2	9.683e-2	142	29	152.3938	39.7341	AAL95177.1  Phosphoribosylamine--glycine ligase							
					93	125	127.8769	125.0000								
FN0982	0.353	15.183	5.256e-2	8.594e-2	223	101	239.3227	138.3841	AAL95178.1  Phosphoribosylaminoimidazolecarboxamide formyltransferase							
					143	203	196.6280	203.0000								
FN0983	-0.264	13.579	9.395e-2	1.985e-1	101	104	108.3928	142.4945	AAL95179.1  Hypothetical protein							
					68	100	93.5014	100.0000								
FN0984	-1.717	8.256	5.642e-3	3.003e-3	9	20	9.6588	27.4028	AAL95180.1  Tetracenomycin polyketide synthesis O-methyltransferase tcmP							
					7	36	9.6251	36.0000								
FN0985	1.047	7.047			18		19.3175		AAL95181.1  Phosphoribosylglycinamide formyltransferase							
					10	8	13.7502	8.0000								
FN0986	0.056	14.906	2.727e-1	8.988e-1	151	64	162.0526	87.6890	AAL95182.1  Phosphoribosylformylglycinamide cyclo-ligase							
					142	256	195.2529	256.0000								
FN0987	-0.090	12.716	2.716e-1	8.939e-1	70	17	75.1237	23.2924	AAL95183.1  Amidophosphoribosyltransferase							
					61	146	83.8763	146.0000								
FN0988	0.723	16.285	2.183e-2	2.406e-2	351	116	376.6917	158.9362	AAL95184.1  Phosphoribosylamidoimidazole-succinocarboxamide synthase							
					254	281	349.2553	281.0000								
FN0989	0.212	15.265	5.29e-2	8.682e-2	184	121	197.4680	165.7869	AAL95185.1  Phosphoribosylaminoimidazole carboxylase catalytic subunit							
					167	203	229.6285	203.0000								
FN0990	0.279	20.169	1.644e-1	4.532e-1	1063	411	1140.8071	563.1275	AAL95186.1  Phosphoribosylformylglycinamide synthase							
					910	1408	1251.2689	1408.0000								
FN0991	0.239	9.861	2.17e-2	2.385e-2	31	22	33.2691	30.1431	AAL95187.1  CDP-diacylglycerol--serine O-phosphatidyltransferase							
					24	26	33.0005	26.0000								
FN0992	0.614	8.754	6.609e-2	1.194e-1	21	7	22.5371	9.5910	AAL95188.1  ADP-heptose:LPS heptosyltransferase II							
					21	24	28.8754	24.0000								
FN0994	0.689	13.770	7.093e-2	1.315e-1	140	33	150.2474	45.2146	AAL95190.1  Hypothetical protein							
					109	141	149.8773	141.0000								
FN0997	-0.400	10.273	1.803e-1	5.145e-1	34	13	36.4887	17.8118	AAL95193.1  Hypothetical protein							
					18	63	24.7504	63.0000								
FN0998	-0.437	13.307	1.323e-1	3.367e-1	69	52	74.0505	71.2473	AAL95194.1  Dipeptide-binding protein							
					72	163	99.0015	163.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN0999	-2.963	8.807	6.27e-2	1.112e-1	9	14	9.6588	19.1820	AAL95195.1  Deblocking aminopeptidase							
					4	99	5.5001	99.0000								
FN1000	1.050	9.958			41	16	44.0010	21.9222	AAL95196.1  Biotin synthase							
					34		46.7507									
FN1001	-0.746	9.641	1.053e-1	2.39e-1	24	14	25.7567	19.1820	AAL95197.1  Dethiobiotin synthetase							
					13	54	17.8753	54.0000								
FN1002	-0.828	11.337	7.835e-2	1.513e-1	34	69	36.4887	94.5396	AAL95198.1  Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
					29	41	39.8756	41.0000								
FN1003	-2.119	13.112	1.106e-1	2.583e-1	47	6	50.4402	8.2208	AAL95199.1  Outer membrane protein P1 precursor							
					29	384	39.8756	384.0000								
FN1004	-0.423	7.705	1.482e-2	1.385e-2	13	12	13.9515	16.4417	AAL95200.1  Transcriptional regulator, TetR family							
					8	17	11.0002	17.0000								
FN1005	-0.264	9.910			22		23.6103		AAL95201.1  Hypothetical protein							
					24	34	33.0005	34.0000								
FN1006									AAL95202.1  Acetyltransferase							
						21		21.0000								
FN1010	0.065	14.806	2.626e-1	8.539e-1	165	73	177.0773	100.0202	AAL95206.1  Hypothetical cytosolic protein							
					123	231	169.1275	231.0000								
FN1011	-1.022	5.940				9		12.3313	AAL95207.1  MGPA protein							
					4	10	5.5001	10.0000								
FN1012	-1.421	8.405	4.169e-3	1.973e-3	12	25	12.8783	34.2535	AAL95208.1  HPR(Ser) kinase							
					7	26	9.6251	26.0000								
FN1014	-1.725	7.194			6		6.4392		AAL95210.1  Folylpolylglutamate synthase							
					5	22	6.8751	22.0000								
FN1015	-0.665	9.051			20		21.4639		AAL95211.1  5'-methylthioadenosine nucleosidase							
					11	29	15.1252	29.0000								
FN1016	-1.045	6.515	1.04e-1	2.341e-1	6	4	6.4392	5.4806	AAL95212.1  Lipid A biosynthesis lauroyl acyltransferase							
					5	22	6.8751	22.0000								
FN1017	0.421	12.947	1.035e-1	2.322e-1	93	34	99.8072	46.5848	AAL95213.1  Hypothetical Exported Protein							
					77	107	105.8766	107.0000								
FN1019	-0.359	24.345	8.252e-3	5.639e-3	3484	3572	3739.0140	4894.1395	AAL95215.1  3-hydroxybutyryl-CoA dehydrogenase							
					3209	5563	4412.4415	5563.0000								

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Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1020	-0.548	17.993	1.455e-2	1.343e-2	331	460	355.2278	630.2643	AAL95216.1  3-hydroxybutyryl-CoA dehydratase							
					356	605	489.5074	605.0000								
FN1022					9		9.6588		AAL95218.1  Calcium-transporting ATPase							
					12		16.5002									
FN1023	-1.178	6.997			7		7.5124		AAL95219.1  5-Nitroimidazole antibiotic resistance protein							
						17		17.0000								
FN1024	0.096	20.332	2.291e-1	7.125e-1	1379	934	1479.9369	1279.7106	AAL95220.1  DNA-binding protein HU							
					651	943	895.1385	943.0000								
FN1025	-0.143	8.197			15		16.0979		AAL95221.1  Guanine-hypoxanthine permease							
					12	18	16.5002	18.0000								
FN1028	0.415	10.018	9.453e-4	2.2e-4	36	21	38.6350	28.7729	AAL95224.1  Deoxyuridine 5'-triphosphate nucleotidohydrolase							
					26	27	35.7505	27.0000								
FN1029	-0.211	12.329	9.931e-2	2.169e-1	73	55	78.3433	75.3577	AAL95225.1  Zinc protease							
					40	79	55.0008	79.0000								
FN1030	-1.483	7.687			8		8.5856		AAL95226.1  Hypothetical membrane-spanning protein							
						24		24.0000								
FN1031	-1.541	5.629							AAL95227.1  Hypothetical membrane-spanning protein							
					3	12	4.1251	12.0000								
FN1033	-1.263	10.623	3.927e-5	1.921e-6	26	46	27.9031	63.0264	AAL95229.1  Methyltransferase							
					17	60	23.3754	60.0000								
FN1034					4		4.2928		AAL95230.1  Transcriptional regulator, TetR family							
FN1037	-2.220	5.594			3		3.2196		AAL95233.1  Hypothetical cytosolic protein							
						15		15.0000								
FN1041	-0.327	6.701	1.623e-1	4.455e-1	8	5	8.5856	6.8507	AAL95237.1  Acetyltransferase							
					7	16	9.6251	16.0000								
FN1042	0.555	8.572	1.808e-2	1.847e-2	21	14	22.5371	19.1820	AAL95238.1  S1 RNA binding domain							
					18	13	24.7504	13.0000								
FN1048					3		3.2196		AAL95244.1  Hypothetical membrane-spanning protein							
FN1050						22		30.1431	AAL95246.1  Lactoylglutathione lyase							
						3		3.0000								

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Proteins found: 1305

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
<b>FN1053</b>						8		10.9611	AAL95249.1  Hypothetical protein							
<b>FN1055</b>	-0.631	11.357	8.252e-2	1.631e-1	37	31	39.7082	42.4743	AAL95251.1  Cysteine synthase							
<b>FN1060</b>	-0.300	9.661	1.346e-2	1.186e-2	26	22	27.9031	30.1431	AAL95256.1  hypothetical cytosolic protein							
<b>FN1062</b>	0.964	13.036	6.708e-3	3.924e-3	113	60	121.2711	82.2084	AAL95258.1  Hydrolase							
<b>FN1063</b>	-2.594	6.798			4	5	4.2928	6.8507	AAL95259.1  N-acyl-L-amino acid amidohydrolase							
<b>FN1066</b>	0.035	6.290	2.769e-1	9.179e-1	9	4	9.6588	5.4806	AAL95262.1  Exodeoxyribonuclease VII large subunit							
<b>FN1067</b>	0.386	9.812	1.109e-1	2.592e-1	28	12	30.0495	16.4417	AAL95263.1  Tetratricopeptide repeat family protein							
<b>FN1068</b>						3		4.1104	AAL95264.1  Smf protein							
<b>FN1069</b>	-0.299	11.491	1.064e-2	8.34e-3	44	46	47.2206	63.0264	AAL95265.1  DNA topoisomerase I							
<b>FN1070</b>	0.653	6.993			11		11.8052		AAL95266.1  Glucose inhibited division protein A							
<b>FN1071</b>					6		6.4392		AAL95267.1  Integrase/recombinase							
<b>FN1072</b>	-0.490	10.065	5.198e-2	8.445e-2	22	34	23.6103	46.5848	AAL95268.1  GTP-binding protein							
<b>FN1073</b>	-0.541	4.629							AAL95269.1  Hypothetical protein							
<b>FN1074</b>	-0.246	8.852	1.45e-1	3.834e-1	15	13	16.0979	17.8118	AAL95270.1  Signal recognition particle receptor FtsY							
<b>FN1077</b>	0.353	10.611			41		44.0010		AAL95273.1  Hypothetical protein							
<b>FN1078</b>	-0.476	15.254	3.081e-2	3.954e-2	133	195	142.7350	267.1773	AAL95274.1  Hypothetical exported 24-amino acid repeat protein							

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Proteins found: 1305

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1079	0.039	18.565	2.765e-1	9.161e-1	638	267	684.6989	365.8273	AAL95275.1  Neutrophil-activating protein A							
					420	863	577.5087	863.0000								
FN1080	0.748	4.408	3.152e-3	1.322e-3	6	3	6.4392	4.1104	AAL95276.1  Export ABC transporter							
					4	3	5.5001	3.0000								
FN1081	-0.778	9.418			18	25	19.3175	34.2535	AAL95277.1  unknown							
					15		20.6253									
FN1082					4		4.2928		AAL95278.1  unknown							
FN1084	1.622	11.687	7.835e-3	5.122e-3	75	31	80.4897	42.4743	AAL95280.1  unknown							
					88	23	121.0018	23.0000								
FN1085	-1.217	12.707	1.667e-3	5.287e-4	41	101	44.0010	138.3841	AAL95281.1  4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					46	111	63.2510	111.0000								
FN1086	0.733	6.348			14		15.0247		AAL95282.1  Transporter							
					6	7	8.2501	7.0000								
FN1088	0.703	9.585	1.4e-2	1.262e-2	30	12	32.1959	16.4417	AAL95284.1  NADH oxidase							
					28	27	38.5006	27.0000								
FN1089	-2.153	12.090	2.185e-2	2.41e-2	34	69	36.4887	94.5396	AAL95285.1  ATP-binding protein (contains P-loop)							
					19	184	26.1254	184.0000								
FN1091	1.040	6.623	9.028e-3	6.443e-3	15	5	16.0979	6.8507	AAL95287.1  Sigma factor sigB regulation protein rsbU							
					9	7	12.3752	7.0000								
FN1092	-0.693	10.392	1.753e-1	4.947e-1	14	6	15.0247	8.2208	AAL95288.1  Hypothetical protein							
					31	85	42.6256	85.0000								
FN1093	0.845	11.009	6.844e-3	4.056e-3	57	29	61.1722	39.7341	AAL95289.1  Hypothetical protein							
					44	28	60.5009	28.0000								
FN1094									AAL95290.1  Dolichol-phosphate mannosyltransferase							
							33	33.0000								
FN1095									AAL95291.1  unknown							
							8	10.9611								
FN1096	-0.076	10.723	2.707e-1	8.896e-1	49	47	52.5866	64.3966	AAL95292.1  Hypothetical protein							
					20	20	27.5004	20.0000								
FN1097	-1.149	9.161			12	26	12.8783	35.6236	AAL95293.1  Hypothetical protein							
					14		19.2503									

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1305

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
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Dot Plots  Dot Plots

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1101					3		3.2196		AAL95297.1  ATPase							
FN1103	-0.444	9.579	6.127e-2	1.078e-1	16	23	17.1711	31.5132	AAL95299.1  Excinuclease ABC subunit A							
					22	33	30.2505	33.0000								
FN1104					5		5.3660		AAL95300.1  Holliday junction DNA helicase ruvA							
FN1105	-0.054	12.708	2.666e-1	8.714e-1	74	83	79.4165	113.7216	AAL95301.1  Hypothetical protein							
					59	53	81.1262	53.0000								
FN1106	-0.563	11.411	1.249e-2	1.057e-2	39	51	41.8546	69.8771	AAL95302.1  L-serine dehydratase							
					32	57	44.0007	57.0000								
FN1111					9		9.6588		AAL95307.1  Dipeptide-binding protein							
					7		9.6251									
FN1117	1.286	11.603	1.516e-2	1.439e-2	79	39	84.7825	53.4355	AAL95313.1  LSU ribosomal protein L21P							
					65	18	89.3763	18.0000								
FN1119	1.378	14.322	9.072e-3	6.491e-3	230	96	246.8350	131.5334	AAL95315.1  LSU ribosomal protein L27P							
					156	46	214.5032	46.0000								
FN1120	-0.953	15.144	1.162e-2	9.5e-3	128	166	137.3691	227.4432	AAL95316.1  Phosphoenolpyruvate carboxykinase (ATP)							
					99	302	136.1271	302.0000								
FN1121	0.527	12.258	2.112e-2	2.294e-2	72	34	77.2701	46.5848	AAL95317.1  hypothetical cytosolic protein							
					66	70	90.7514	70.0000								
FN1122	1.326	13.071	2.949e-4	4.086e-5	143	41	153.4670	56.1757	AAL95318.1  Long-chain-fatty-acid--CoA ligase							
					102	61	140.2521	61.0000								
FN1123	2.377	7.745	2.844e-2	3.518e-2	43	5	46.1474	6.8507	AAL95319.1  Thioredoxin-like protein							
					15	6	20.6253	6.0000								
FN1124	0.779	16.209	1.569e-3	4.833e-4	312	133	334.8371	182.2286	AAL95320.1  Outer membrane porin F							
					281	238	386.3808	238.0000								
FN1125	-0.372	11.858	1.974e-1	5.849e-1	46	18	49.3670	24.6625	AAL95321.1  LemA protein							
					42	114	57.7509	114.0000								
FN1127	-1.102	11.845	3.37e-2	4.523e-2	40	83	42.9278	113.7216	AAL95323.1  Hypothetical membrane-spanning protein							
					29	64	39.8756	64.0000								
FN1128	-0.752	15.657	4.541e-2	6.888e-2	156	270	167.4185	369.9378	AAL95324.1  Acylamino-acid-releasing enzyme							
					133	220	182.8778	220.0000								

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Fn Summary Table		FnPg vs Fn		FnSg vs Fn		FnPgSg vs Fn		FnPgSg vs FnPg		FnSg vs FnPg		FnPgSg vs FnSg		Fn Coverage				
Protein	FnPgSg vs FnPg				Raw				Normalized				Log <sub>2</sub> Ratios					
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
FN1129	0.553	5.723			10		10.7320		AAL95325.1  Chromosome partition protein smc									
					5	6	6.8751	6.0000										
FN1130	0.780	5.424			8		8.5856		AAL95326.1  Tetraacyldisaccharide 4'-kinase									
						5		5.0000										
FN1131	-2.014	5.387			3		3.2196		AAL95327.1  Hypothetical protein									
						13		13.0000										
FN1133	-0.425	10.296	1.69e-1	4.706e-1	25	14	26.8299	19.1820	AAL95329.1  N-acetylglucosamine-6-phosphate deacetylase									
					25	63	34.3755	63.0000										
FN1134	-0.212	9.331	1.827e-1	5.238e-1	26	26	27.9031	35.6236	AAL95330.1  Hypothetical cytosolic protein									
					14	19	19.2503	19.0000										
FN1135	-0.578	14.741	1.373e-1	3.561e-1	123	225	132.0031	308.2815	AAL95331.1  Phosphonates-binding protein									
					101	96	138.8771	96.0000										
FN1136	-0.989	8.181			11		11.8052		AAL95332.1  Phosphonates transport ATP-binding protein phnC									
					9	24	12.3752	24.0000										
FN1137									AAL95333.1  Phosphonates transport system permease protein phnE									
					3		4.1251											
FN1138	0.684	19.288	3.659e-2	5.085e-2	1147	349	1230.9555	478.1788	AAL95334.1  Hypothetical cytosolic protein									
					580	784	797.5120	784.0000										
FN1139	-3.066	9.513	5.823e-2	1.003e-1	11	20	11.8052	27.4028	AAL95335.1  Activator of (R)-2-hydroxyglutaryl-CoA dehydratase									
					5	129	6.8751	129.0000										
FN1140									AAL95336.1  hypothetical protein									
						25		25.0000										
FN1142	-0.635	4.009			3		3.2196		AAL95338.1  Oxygen-independent coproporphyrinogen III oxidase									
						5		5.0000										
FN1143	-0.289	13.429	1.993e-1	5.93e-1	104	41	111.6124	56.1757	AAL95339.1  Glucosamine-6-phosphate isomerase									
					57	176	78.3762	176.0000										
FN1144	1.772	13.589	4.621e-3	2.264e-3	199	22	213.5660	30.1431	AAL95340.1  Hypothetical Exported Protein									
					143	90	196.6280	90.0000										
FN1145	0.131	8.843	2.379e-1	7.483e-1	20	8	21.4639	10.9611	AAL95341.1  Oligoendopeptidase F									
					17	30	23.3754	30.0000										
FN1146	1.432	7.511			17	6	18.2443	8.2208	AAL95342.1  Hypothetical exported 24-amino acid repeat protein									
					19		26.1254											

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Proteins found: 1305

Test Cutoff

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1147					33		35.4155		AAL95343.1  Hypothetical protein							
					43		59.1259									
FN1148	-0.208	11.035	2.527e-1	8.105e-1	41	4	44.0010	5.4806	AAL95344.1  Serine/threonine sodium symporter							
					30	93	41.2506	93.0000								
FN1149	-0.202	6.072	2.01e-1	6.004e-1	4	7	4.2928	9.5910	AAL95345.1  ATP-dependent nuclease subunit A							
					8	8	11.0002	8.0000								
FN1150	0.459	4.459							AAL95346.1  unknown							
					4	4	5.5001	4.0000								
FN1152	0.567	13.821	6.229e-2	1.102e-1	146	45	156.6866	61.6563	AAL95348.1  Aspartate aminotransferase							
					99	136	136.1271	136.0000								
FN1153					37		39.7082		AAL95349.1  Hypothetical protein							
					29		39.8756									
FN1154									AAL95350.1  Ribonuclease BN							
						20		20.0000								
FN1157					12		12.8783		AAL95353.1  Polypeptide deformylase							
					16		22.0003									
FN1159	-0.542	13.574	4.806e-2	7.492e-2	77	77	82.6361	105.5008	AAL95355.1  Fructose-1,6-bisphosphatase							
					73	161	100.3765	161.0000								
FN1160	1.684	4.854			9		9.6588		AAL95356.1  SWF/SNF family helicase							
					7	3	9.6251	3.0000								
FN1161	0.874	4.044							AAL95357.1  Glutamate racemase							
					4	3	5.5001	3.0000								
FN1162									AAL95358.1  Hydroxyacylglutathione hydrolase							
						21		21.0000								
FN1163	0.413	12.393	9.506e-2	2.023e-1	77	30	82.6361	41.1042	AAL95359.1  Thioredoxin reductase							
					63	86	86.6263	86.0000								
FN1164	-0.511	6.073				7		9.5910	AAL95360.1  Glucokinase							
					5	10	6.8751	10.0000								
FN1165	1.181	24.201	5.659e-5	3.271e-6	6372	2224	6838.4033	3047.1910	AAL95361.1  D-galactose-binding protein							
					4643	2786	6384.2212	2786.0000								
FN1166	-0.428	14.385	5.173e-4	9.314e-5	112	128	120.1979	175.3779	AAL95362.1  Galactoside transport ATP-binding protein mglA							
					96	164	132.0020	164.0000								

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

Proteins found:  
1305

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	-	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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1167					26		27.9031		AAL95363.1  Galactoside transport system permease protein mgIC							
					14		19.2503									
FN1169	-0.285	16.174	9.312e-2	1.958e-1	217	260	232.8835	356.2364	AAL95365.1  L-lactate dehydrogenase							
					189	244	259.8789	244.0000								
FN1170	-0.807	24.928	4.348e-2	6.47e-2	3813	6878	4092.0954	9423.8219	AAL95366.1  Pyruvate-flavodoxin oxidoreductase							
					3237	5525	4450.9421	5525.0000								
FN1171	-0.388	19.701	7.863e-2	1.521e-1	767	936	823.1411	1282.4509	AAL95367.1  Acetate kinase							
					575	830	790.6369	830.0000								
FN1172	0.499	18.447	2.845e-3	1.133e-3	704	348	755.5298	476.8087	AAL95368.1  Phosphate acetyltransferase							
					484	529	665.5100	529.0000								
FN1176								5.4806	AAL95372.1  Hypothetical cytosolic protein							
FN1179								19.1820	AAL95375.1  ATP-dependent RNA helicase							
FN1180								13.7014	AAL95376.1  Hypothetical protein							
FN1181	-1.956	14.495	1.022e-1	2.275e-1	81	404	86.9289	553.5365	AAL95377.1  unknown							
					49	45	67.3760	45.0000								
FN1182								13.7014	AAL95378.1  Hypothetical protein							
FN1183	-1.422	6.503	1.305e-2	1.13e-2	7	14	7.5124	19.1820	AAL95379.1  Hypothetical cytosolic protein							
					3	12	4.1251	12.0000								
FN1184								5.4806	AAL95380.1  Hypothetical protein							
FN1185	-0.600	10.578	1.248e-1	3.079e-1	31	52	33.2691	71.2473	AAL95381.1  SIR2 family protein							
					22	25	30.2505	25.0000								
FN1186	-3.651	13.097	5.602e-2	9.491e-2	30	82	32.1959	112.3515	AAL95382.1  Amidohydrolase							
					15	551	20.6253	551.0000								
FN1187	-0.476	10.886	1.992e-1	5.927e-1	38	7	40.7814	9.5910	AAL95383.1  Amino acid-binding protein							
					24	93	33.0005	93.0000								
FN1188	0.162	11.071	2.475e-1	7.886e-1	53	10	56.8794	13.7014	AAL95384.1  Hypothetical protein							
					30	74	41.2506	74.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1189	-0.362	11.639	4.426e-4	7.239e-5	48	46	51.5134	63.0264	AAL95385.1  Hypothetical protein							
					35	65	48.1257	65.0000								
FN1190	0.164	12.753	4.181e-2	6.12e-2	87	54	93.3680	73.9876	AAL95386.1  Probable cadmium-transporting ATPase							
					60	83	82.5012	83.0000								
FN1191	-1.354	9.630			20		21.4639		AAL95387.1  unknown							
					10	45	13.7502	45.0000								
FN1192	0.813	17.884	2.569e-3	9.785e-4	642	227	688.9917	311.0217	AAL95388.1  unknown							
					447	431	614.6343	431.0000								
FN1198	-0.414	9.587	5.934e-2	1.031e-1	23	19	24.6835	26.0327	AAL95394.1  Transporter							
					17	38	23.3754	38.0000								
FN1200	-5.133	12.533			5		5.3660		AAL95396.1  Hypothetical protein							
					15	456	20.6253	456.0000								
FN1202	-0.858	8.687	6.926e-3	4.136e-3	14	18	15.0247	24.6625	AAL95398.1  NH(3)-dependent NAD(+) synthetase							
					11	30	15.1252	30.0000								
FN1203							8	10.9611	AAL95399.1  GTP-binding protein							
							5	5.0000								
FN1204							10	13.7014	AAL95400.1  Methyltransferase							
							13	13.0000								
FN1205	0.300	11.847	1.744e-1	4.912e-1	55	20	59.0258	27.4028	AAL95401.1  Protease							
					55	82	75.6261	82.0000								
FN1208	-0.596	5.444			5	6	5.3660	8.2208	AAL95404.1  1-deoxyxylulose-5-phosphate synthase							
						8		8.0000								
FN1209	1.880	9.694			67		71.9041		AAL95405.1  Hypothetical RNA binding protein							
					28	15	38.5006	15.0000								
FN1210	0.253	10.168	1.046e-1	2.361e-1	28	22	30.0495	30.1431	AAL95406.1  Metal dependent hydrolase							
					32	32	44.0007	32.0000								
FN1211	1.275	6.642	4.827e-2	7.542e-2	20	5	21.4639	6.8507	AAL95407.1  Cell division protein ftsI							
					7	6	9.6251	6.0000								
FN1213	0.479	10.515	1.034e-1	2.319e-1	47	13	50.4402	17.8118	AAL95409.1  Hypothetical protein							
					29	47	39.8756	47.0000								
FN1214					6		6.4392		AAL95410.1  Fe-S oxidoreductase							
					5		6.8751									

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

Test Cutoff

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

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1216	-0.675	6.335	8.412e-2	1.678e-1	3	10	3.2196	13.7014	AAL95412.1  RRF2 family protein							
					8	9	11.0002	9.0000		■						
FN1217	-0.561	5.054			5		5.3660		AAL95413.1  Holliday junction DNA helicase ruvB							
					3	7	4.1251	7.0000		■						
FN1218									AAL95414.1  unknown							
						13		13.0000								
FN1219	0.072	8.375	2.487e-1	7.936e-1	22	15	23.6103	20.5521	AAL95415.1  Hypothetical protein							
					10	15	13.7502	15.0000								
FN1220	0.173	15.321	5.507e-2	9.256e-2	212	127	227.5175	174.0078	AAL95416.1  Cysteine synthase							
					147	207	202.1280	207.0000		■						
FN1221	-0.040	8.520	2.832e-1	9.47e-1	16	5	17.1711	6.8507	AAL95417.1  Hypothetical protein							
					15	32	20.6253	32.0000								
FN1222	-0.009	7.575	2.889e-1	9.741e-1	9	10	9.6588	13.7014	AAL95418.1  Hypothetical protein							
					13	14	17.8753	14.0000								
FN1223	0.124	12.932	1.753e-1	4.947e-1	90	74	96.5876	101.3903	AAL95419.1  Oxygen-insensitive NAD(P)H nitroreductase							
					64	68	88.0013	68.0000								
FN1224	-0.022	13.201	2.847e-1	9.542e-1	100	42	107.3196	57.5459	AAL95420.1  2-dehydro-3-deoxyphosphooctonate aldolase							
					62	138	85.2513	138.0000								
FN1225	0.586	13.839	5.862e-2	1.013e-1	147	45	157.7598	61.6563	AAL95421.1  UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase							
					101	136	138.8771	136.0000		■						
FN1226	0.351	12.669	1.612e-1	4.415e-1	84	24	90.1484	32.8834	AAL95422.1  Uracil-DNA glycosylase							
					67	110	92.1264	110.0000		■						
FN1230					62		66.5381		AAL95426.1  Hypothetical cytosolic protein							
					37		50.8758									
FN1231	-0.113	18.873	2.642e-1	8.607e-1	592	166	635.3319	227.4432	AAL95427.1  Inosine-5'-monophosphate dehydrogenase							
					507	1214	697.1355	1214.0000		■						
FN1234					8		8.5856		AAL95430.1  Hypothetical protein							
					5		6.8751									
FN1235	-0.850	8.132	1.028e-1	2.297e-1	13	8	13.9515	10.9611	AAL95431.1  Ankyrin repeat proteins							
					8	34	11.0002	34.0000		■						
FN1237	-1.431	11.101	2.257e-3	8.196e-4	25	51	26.8299	69.8771	AAL95433.1  Choline kinase							
					22	84	30.2505	84.0000		■						

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1258	0.524	19.520	1.03e-2	7.915e-3	987	595	1059.2442	815.2332	AAL95454.1  C4-dicarboxylate-binding protein							
					742	631	1020.2654	631.0000								
FN1260					3		3.2196		AAL95456.1  Sensory Transduction Protein Kinase							
FN1261						10		13.7014	AAL95457.1  Two-component response regulator							
FN1262						20		20.0000	AAL95458.1  Integral membrane protein							
FN1263	0.379	7.675	5.1e-2	8.2e-2	15	11	16.0979	15.0715	AAL95459.1  Cobalt chelataase							
					12	10	16.5002	10.0000								
FN1264					11		11.8052		AAL95460.1  Hypothetical protein							
					8		11.0002									
FN1265	-0.535	12.631	2.142e-2	2.341e-2	49	64	52.5866	87.6890	AAL95461.1  Outer membrane protein							
					58	104	79.7512	104.0000								
FN1266	0.191	13.555	1.125e-1	2.645e-1	98	63	105.1732	86.3188	AAL95462.1  UTP--glucose-1-phosphate uridylyltransferase							
					94	119	129.2519	119.0000								
FN1267	-0.450	10.393	5.226e-2	8.518e-2	29	37	31.1227	50.6952	AAL95463.1  Hypothetical protein							
					23	35	31.6255	35.0000								
FN1268	-0.103	15.280	3.814e-2	5.386e-2	187	155	200.6876	212.3717	AAL95464.1  Methionyl-tRNA synthetase							
					134	201	184.2528	201.0000								
FN1269	0.044	4.044							AAL95465.1  Hypothetical lipoprotein							
					3	4	4.1251	4.0000								
FN1270	3.182	11.966			177		189.9556		AAL95466.1  Hypothetical cytosolic protein							
					139	21	191.1279	21.0000								
FN1271	0.679	10.509	8.683e-2	1.759e-1	49	9	52.5866	12.3313	AAL95467.1  Protease IV							
					32	48	44.0007	48.0000								
FN1273	-1.537	9.617	1.198e-1	2.898e-1	14	4	15.0247	5.4806	AAL95469.1  Outer membrane protein tolC							
					13	90	17.8753	90.0000								
FN1274	0.433	7.366	1.519e-1	4.081e-1	15	3	16.0979	4.1104	AAL95470.1  Acriflavin resistance protein E							
					10	18	13.7502	18.0000								
FN1275	0.666	8.536	4.553e-2	6.916e-2	26	7	27.9031	9.5910	AAL95471.1  Acriflavin resistance protein B							
					15	21	20.6253	21.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1276	-1.157	7.168	3.697e-3	1.684e-3	6	13	6.4392	17.8118	AAL95472.1  Hypothetical protein							
					7	18	9.6251	18.0000								
FN1277	-0.298	15.359	1.58e-1	4.298e-1	169	107	181.3701	146.6050	AAL95473.1  Aminoacyl-histidine dipeptidase							
					137	308	188.3778	308.0000								
FN1278	2.044	5.214							AAL95474.1  Acetyltransferase							
					9	3	12.3752	3.0000								
FN1279	-0.194	11.489	8.004e-2	1.56e-1	46	37	49.3670	50.6952	AAL95475.1  Zinc metallohydrolase, glyoxalase II family							
					37	64	50.8758	64.0000								
FN1280	-1.994	9.717	5.39e-4	9.995e-5	13	40	13.9515	54.8056	AAL95476.1  Serine protease, V8 family							
					11	61	15.1252	61.0000								
FN1281									AAL95477.1  Cysteine protease							
										12						
FN1282	0.233	13.079	1.369e-1	3.545e-1	97	80	104.1000	109.6112	AAL95478.1  LSU ribosomal protein L17P							
					71	62	97.6265	62.0000								
FN1283	1.265	18.687	8.716e-5	6.423e-6	947	287	1016.3164	393.2301	AAL95479.1  DNA-directed RNA polymerase alpha chain							
					726	445	998.2650	445.0000								
FN1284	0.448	18.380	1.071e-1	2.46e-1	628	525	673.9669	719.3234	AAL95480.1  SSU ribosomal protein S4P							
					502	281	690.2604	281.0000								
FN1285	-1.064	15.052	1.489e-1	3.973e-1	112	373	120.1979	511.0622	AAL95481.1  SSU ribosomal protein S11P							
					98	22	134.7520	22.0000								
FN1286	1.043	12.504	1.179e-2	9.704e-3	118	41	126.6371	56.1757	AAL95482.1  SSU ribosomal protein S13P							
					67	50	92.1264	50.0000								
FN1287	-1.375	7.470	7.396e-2	1.394e-1	9	24	9.6588	32.8834	AAL95483.1  Bacterial Protein Translation Initiation Factor 1 (IF-1)							
					5	10	6.8751	10.0000								
FN1290	-2.128	8.949	9.586e-2	2.05e-1	7	62	7.5124	84.9487	AAL95486.1  Hypothetical protein							
					10	8	13.7502	8.0000								
FN1293									AAL95489.1  Hypothetical protein							
					4		5.5001									
FN1296									AAL95492.1  unknown							
					10		10.7320									
FN1297	1.292	9.895	1.69e-3	5.399e-4	40	12	42.9278	16.4417	AAL95493.1  Methionine aminopeptidase							
					39	23	53.6258	23.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1298	0.289	12.628	1.183e-1	2.843e-1	64	62	68.6845	84.9487	AAL95494.1  Adenylate kinase							
					78	59	107.2516	59.0000								
FN1299									AAL95495.1  dTDP-glucose 4,6-dehydratase							
						6		6.0000								
FN1301	0.371	12.414	1.407e-1	3.68e-1	72	70	77.2701	95.9098	AAL95497.1  ABC transporter ATP-binding protein							
					66	34	90.7514	34.0000								
FN1302	0.452	17.786	1.5e-1	4.013e-1	566	489	607.4288	669.9984	AAL95498.1  Hypothetical protein							
					367	143	504.6326	143.0000								
FN1303	-0.130	12.095	1.106e-1	2.58e-1	64	55	68.6845	75.3577	AAL95499.1  hypothetical cytosolic protein							
					42	63	57.7509	63.0000								
FN1304	0.162	14.215	1.013e-1	2.242e-1	145	83	155.6134	113.7216	AAL95500.1  Single-strand DNA binding protein							
					99	147	136.1271	147.0000								
FN1305	-0.851	10.558	1.935e-2	2.027e-2	18	36	19.3175	49.3250	AAL95501.1  Hypothetical cytosolic protein							
					28	55	38.5006	55.0000								
FN1306	-2.626	12.326			23		24.6835		AAL95502.1  Methyltransferase							
					24	178	33.0005	178.0000								
FN1309	1.405	15.589	4.227e-4	6.75e-5	312	121	334.8371	165.7869	AAL95505.1  Hypothetical protein							
					282	107	387.7558	107.0000								
FN1313	0.203	12.132	1.645e-1	4.536e-1	84	51	90.1484	69.8771	AAL95509.1  Oligopeptide-binding protein oppA							
					39	55	53.6258	55.0000								
FN1317									AAL95513.1  RNA polymerase sigma factor							
						12		16.4417								
FN1318	0.262	9.943	8.204e-2	1.617e-1	32	17	34.3423	23.2924	AAL95514.1  RNA polymerase sigma factor rpoD							
					25	34	34.3755	34.0000								
FN1319	-0.286	6.298	7.803e-2	1.504e-1	6	7	6.4392	9.5910	AAL95515.1  DNA primase							
					7	10	9.6251	10.0000								
FN1320	0.643	15.331	1.754e-2	1.772e-2	205	116	220.0051	158.9362	AAL95516.1  Peptidyl-prolyl cis-trans isomerase							
					209	166	287.3793	166.0000								
FN1321	0.032	19.594	2.554e-1	8.225e-1	969	641	1039.9267	878.2596	AAL95517.1  Acetoacetate metabolism regulatory protein atoC							
					552	881	759.0114	881.0000								
FN1322	-2.664	7.511			5		5.3660		AAL95518.1  Membrane metalloprotease							
						34		34.0000								

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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1323	-0.092	6.341	2.242e-1	6.929e-1	6	7	6.4392	9.5910	AAL95519.1  Thymidylate kinase							
					8	9	11.0002	9.0000								
FN1324	-0.778	9.503	8.943e-2	1.84e-1	14	15	15.0247	20.5521	AAL95520.1  1-deoxy-D-xylulose 5-phosphate reductoisomerase							
					19	50	26.1254	50.0000								
FN1326	0.267	6.267							AAL95522.1  Undecaprenyl pyrophosphate synthetase							
					7	8	9.6251	8.0000								
FN1327					8		8.5856		AAL95523.1  Dimethylallyltransferase							
FN1328					4		4.2928		AAL95524.1  Exodeoxyribonuclease VII small subunit							
					3		4.1251									
FN1330									AAL95526.1  S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
						3		3.0000								
FN1331					14		15.0247		AAL95527.1  Methyltransferase							
					4		5.5001									
FN1332	0.677	10.946	9.577e-3	7.052e-3	47	25	50.4402	34.2535	AAL95528.1  Bacterial Peptide Chain Release Factor 1 (RF-1)							
					45	36	61.8759	36.0000								
FN1334	-1.119	8.493			12	35	12.8783	47.9549	AAL95530.1  N-acetylmuramoyl-L-alanine amidase							
						8		8.0000								
FN1335	1.764	14.060	1.02e-2	7.791e-3	176	40	188.8825	54.8056	AAL95531.1  Protein translocase subunit YajC							
					213	87	292.8794	87.0000								
FN1336									AAL95532.1  Hypothetical protein							
						16		21.9222								
FN1337	-0.216	5.590			6	8	6.4392	10.9611	AAL95533.1  unknown							
						4		4.0000								
FN1340	0.565	16.702	4.847e-2	7.589e-2	403	259	432.4979	354.8662	AAL95536.1  Glutamyl-tRNA synthetase							
					263	182	361.6305	182.0000								
FN1341	0.678	7.848			14		15.0247		AAL95537.1  Bacterial Peptide Chain Release Factor 2 (RF-2)							
					17	12	23.3754	12.0000								
FN1343									AAL95539.1  seC-independent protein TATD							
						45		45.0000								
FN1346									AAL95542.1  Hypothetical cytosolic protein							
						6		6.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1347	0.638	6.423	1.853e-3	6.23e-4	10	5	10.7320	6.8507	AAL95543.1  Hypothetical cytosolic protein							
					9	8	12.3752	8.0000								
FN1348	0.864	7.845	1.433e-1	3.773e-1	33	4	35.4155	5.4806	AAL95544.1  ABC transporter ATP-binding protein							
					4	17	5.5001	17.0000								
FN1349	0.295	5.909			8		8.5856		AAL95545.1  ABC transporter permease protein							
						7		7.0000								
FN1351	-0.686	9.966	2.08e-2	2.244e-2	17	33	18.2443	45.2146	AAL95547.1  15 kDa lipoprotein precursor							
						23	35	31.6255								
FN1352	0.330	11.495	1.903e-2	1.981e-2	61	32	65.4649	43.8445	AAL95548.1  ABC transporter ATP-binding protein							
						40	52	55.0008								
FN1353	-0.427	7.188			13		13.9515		AAL95549.1  ABC transporter permease protein							
					5	14	6.8751	14.0000								
FN1354	-0.395	9.513			26		27.9031		AAL95550.1  ABC transporter permease protein							
					14	31	19.2503	31.0000								
FN1355					3		3.2196		AAL95551.1  Integral membrane protein							
FN1358	-0.327	10.843			38		40.7814		AAL95554.1  Hypothetical protein							
					26	48	35.7505	48.0000								
FN1359	-2.440	15.548	5.137e-2	8.292e-2	97	167	104.1000	228.8134	AAL95555.1  Dipeptide-binding protein							
					61	791	83.8763	791.0000								
FN1362						25		34.2535	AAL95558.1  Dipeptide transport ATP-binding protein dppD							
						70		70.0000								
FN1363	-3.037	7.531	3.106e-2	4.001e-2	5	16	5.3660	21.9222	AAL95559.1  Dipeptide transport ATP-binding protein dppF							
					3	56	4.1251	56.0000								
FN1364	0.510	11.233			54	30	57.9526	41.1042	AAL95560.1  LSU ribosomal protein L32P							
					43		59.1259									
FN1365	0.808	14.560	4.973e-2	7.89e-2	186	43	199.6144	58.9160	AAL95561.1  GTP-binding protein							
					154	176	211.7532	176.0000								
FN1366	1.333	15.947	1.247e-4	1.386e-5	350	99	375.6185	135.6438	AAL95562.1  Triosephosphate isomerase							
					307	181	422.1314	181.0000								
FN1371									AAL95567.1  Ribonuclease HII							
						4		4.0000								

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 Filter by category:

Proteins found: 1305

Test Cutoff

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

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

Fn Summary Table		FnPg vs Fn		FnSg vs Fn		FnPgSg vs Fn		FnPgSg vs FnPg		FnSg vs FnPg		FnPgSg vs FnSg		Fn Coverage				
Protein	FnPgSg vs FnPg				Raw				Normalized				Log <sub>2</sub> Ratios					
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
FN1374	0.464	6.079			9		9.6588				AAL95570.1  Transcriptional regulator							
						7		7.0000										
FN1375	-1.984	11.274			21		22.5371				AAL95571.1  Citrate-sodium symport							
					20	99	27.5004	99.0000										
FN1376	-0.980	17.500	5.701e-2	9.735e-2	319	282	342.3494	386.3794			AAL95572.1  Oxaloacetate decarboxylase alpha chain							
					197	823	270.8791	823.0000										
FN1378	0.296	9.334	2.048e-1	6.171e-1	23	5	24.6835	6.8507			AAL95574.1  Citrate lyase acyl carrier protein							
					23	39	31.6255	39.0000										
FN1379	-0.539	15.584	1.748e-1	4.929e-1	185	60	198.5412	82.2084			AAL95575.1  Citrate lyase beta chain							
					123	452	169.1275	452.0000										
FN1380	-0.467	17.815	1.994e-1	5.936e-1	359	81	385.2773	110.9813			AAL95576.1  Citrate lyase beta chain							
					314	1018	431.7565	1018.0000										
FN1381											AAL95577.1  unknown							
					3		4.1251											
FN1382											AAL95578.1  ATPase							
						13		13.0000										
FN1383	-1.428	4.802			3	9	3.2196	12.3313			AAL95579.1  DNA polymerase III alpha subunit							
						5		5.0000										
FN1385											AAL95581.1  Hypothetical protein							
						3		3.0000										
FN1386	0.411	7.330			17		18.2443				AAL95582.1  SWF/SNF family helicase							
					8	11	11.0002	11.0000										
FN1391	-0.221	11.457	1.331e-1	3.396e-1	39	50	41.8546	68.5070			AAL95584.1  Acetyltransferase							
					41	46	56.3758	46.0000										
FN1392	0.468	14.662	1.487e-1	3.967e-1	185	167	198.5412	228.8134			AAL95585.1  SSU ribosomal protein S16P							
					131	45	180.1277	45.0000										
FN1393	0.974	8.961	3.775e-2	5.309e-2	25	5	26.8299	6.8507			AAL95586.1  Signal recognition particle, subunit FFH/SRP54							
					26	25	35.7505	25.0000										
FN1397	1.005	13.309	1.533e-2	1.465e-2	157	33	168.4917	45.2146			AAL95590.1  Glutaminase							
					85	97	116.8768	97.0000										
FN1398	1.722	13.334	9.724e-3	7.22e-3	171	16	183.5165	21.9222			AAL95591.1  Amino acid carrier protein alsT							
					135	90	185.6278	90.0000										

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 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1400	1.437	5.097				3		4.1104												
					7	3	9.6251	3.0000	AAL95593.1  serine/threonine kinase											
FN1406	-0.229	11.949	2.214e-1	6.816e-1	48	22	51.5134	30.1431												
					47	106	64.6260	106.0000	AAL95599.1  Histidine ammonia-lyase											
FN1407	-0.870	9.130			7		7.5124													
					20	32	27.5004	32.0000	AAL95600.1  Glutamate formiminotransferase											
FN1411	-1.075	16.082	3.508e-2	4.799e-2	210	196	225.3711	268.5474												
					100	496	137.5021	496.0000	AAL95604.1  Threonine dehydratase											
FN1412						20		27.4028												
									AAL95605.1  5-methylthioribose kinase											
FN1413	-2.089	5.463			3	10	3.2196	13.7014												
									AAL95606.1  Translation initiation factor EIF-2B subunit 1											
FN1415						11		15.0715												
						7		7.0000	AAL95608.1  NADH-dependent butanol dehydrogenase A											
FN1416	-2.338	6.832			5		5.3660													
					3	24	4.1251	24.0000	AAL95609.1  Transcriptional regulator, GntR family											
FN1417	-1.009	5.856			5	7	5.3660	9.5910												
						12		12.0000	AAL95610.1  L-fucose phosphate aldolase											
FN1418						3		4.1104												
									AAL95611.1  Transcriptional regulator, GntR family											
FN1419	-1.223	23.727	6.688e-2	1.213e-1	2312	6075	2481.2286	8323.5996												
					1743	3065	2396.6611	3065.0000	AAL95612.1  Methionine gamma-lyase											
FN1420	-1.344	9.163			14	44	15.0247	60.2862												
						16		16.0000	AAL95613.1  NA+/H+ antiporter NHAC											
FN1421	-0.809	21.378	7.487e-2	1.419e-1	1134	2193	1217.0040	3004.7167												
					929	1365	1277.3943	1365.0000	AAL95614.1  Pyruvate-flavodoxin oxidoreductase											
FN1423	1.183	14.461	1.71e-2	1.712e-2	227	36	243.6154	49.3250												
					152	150	209.0032	150.0000	AAL95616.1  Flavoprotein											
FN1424	1.480	16.056	1.038e-2	8.016e-3	478	45	512.9876	61.6563												
					261	251	358.8804	251.0000	AAL95617.1  ACYL-COA dehydrogenase, short-chain specific											
FN1426	0.252	14.534	2.048e-1	6.173e-1	130	44	139.5154	60.2862												
					143	222	196.6280	222.0000	AAL95619.1  Serine protease											

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Proteins found: 1305

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots



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

Protein	FnPgSg vs FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1427	-0.744	5.900			6		6.4392		AAL95620.1  Phenazine biosynthesis protein phzF											
					4	10	5.5001	10.0000												
FN1432					25		26.8299		AAL95625.1  Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein											
					19		26.1254													
FN1433	0.278	16.457	3.338e-2	4.457e-2	336	202	360.5938	276.7682	AAL95626.1  Short chain dehydrogenase											
					218	268	299.7545	268.0000												
FN1434	-0.143	13.211	2.049e-1	6.177e-1	92	53	98.7340	72.6174	AAL95627.1  Tetratricopeptide repeat family protein											
					63	132	86.6263	132.0000												
FN1437	0.330	13.980	1.178e-1	2.828e-1	117	110	125.5639	150.7154	AAL95630.1  LSU ribosomal protein L28P											
					116	76	159.5024	76.0000												
FN1439	0.413	9.460			34		36.4887		AAL95632.1  Transcriptional regulator, DeoR family											
					18	23	24.7504	23.0000												
FN1440	0.397	10.717	1.84e-2	1.892e-2	48	23	51.5134	31.5132	AAL95633.1  1-phosphofructokinase											
					31	40	42.6256	40.0000												
FN1441	1.419	12.966	9.978e-3	7.52e-3	129	20	138.4423	27.4028	AAL95634.1  PTS system, fructose-specific IIABC component											
					112	82	154.0023	82.0000												
FN1444	-0.302	17.446	2.514e-2	2.937e-2	375	374	402.4484	512.4323	AAL95637.1  GMP synthase (glutamine-hydrolyzing)											
					261	426	358.8804	426.0000												
FN1445	0.798	9.316	9.897e-3	7.423e-3	30	17	32.1959	23.2924	AAL95638.1  DNA helicase											
					25	15	34.3755	15.0000												
FN1449	1.945	13.670	8.015e-3	5.339e-3	165	55	177.0773	75.3577	AAL95642.1  Fusobacterium outer membrane protein family											
					197	41	270.8791	41.0000												
FN1450	-0.659	7.681			11		11.8052		AAL95643.1  Integral membrane protein											
					8	18	11.0002	18.0000												
FN1451	-0.324	14.456	2.679e-2	3.221e-2	110	120	118.0515	164.4168	AAL95644.1  Cell division protein ftsZ											
					109	171	149.8773	171.0000												
FN1452	-0.652	12.996	1.991e-2	2.109e-2	78	96	83.7093	131.5334	AAL95645.1  Cell division protein ftsA											
					44	95	60.5009	95.0000												
FN1454	0.400	9.184			26		27.9031		AAL95647.1  D-alanine--D-alanine ligase											
					20	21	27.5004	21.0000												
FN1455	-0.668	8.119	5.658e-2	9.629e-2	8	19	8.5856	26.0327	AAL95648.1  UDP-N-acetylenolpyruvoylglucosamine reductase											
					13	16	17.8753	16.0000												

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1456	-0.141	11.337	1.179e-1	2.831e-1	39	40	41.8546	54.8056	AAL95649.1  UDP-N-acetylmuramate--alanine ligase							
					40	52	55.0008	52.0000								
FN1457	-0.882	9.875	1.051e-1	2.38e-1	19	14	20.3907	19.1820	AAL95650.1  UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-							
					18	64	24.7504	64.0000								
FN1458	-0.882	11.745	8.629e-2	1.743e-1	42	84	45.0742	115.0917	AAL95651.1  UDP-N-acetylmuramoylalanine--D-glutamate ligase							
					30	44	41.2506	44.0000								
FN1461	-0.519	9.012	1.223e-2	1.024e-2	20	20	21.4639	27.4028	AAL95654.1  Histidinol-phosphatase							
					12	27	16.5002	27.0000								
FN1463	0.460	17.251	2.016e-2	2.146e-2	448	285	480.7917	390.4899	AAL95656.1  pyridoxine biosynthesis protein							
					324	283	445.5067	283.0000								
FN1464	-0.614	15.050	1.163e-1	2.776e-1	125	91	134.1495	124.6827	AAL95657.1  1-deoxyxylulose-5-phosphate synthase							
					119	331	163.6275	331.0000								
FN1470	2.237	10.196	2.787e-4	3.797e-5	63	15	67.6113	20.5521	AAL95663.1  Hypothetical protein							
					59	11	81.1262	11.0000								
FN1471					5		5.3660		AAL95664.1  LACI-family transcription regulator							
FN1472	2.046	11.534	5.896e-3	3.207e-3	105	7	112.6856	9.5910	AAL95665.1  N-acetylneuraminate-binding protein							
					79	44	108.6266	44.0000								
FN1475	2.477	10.769	6.392e-4	1.253e-4	103	20	110.5392	27.4028	AAL95668.1  N-acetylneuraminate lyase							
					63	8	86.6263	8.0000								
FN1476					11		11.8052		AAL95669.1  N-acetylmannosamine-6-phosphate 2-epimerase							
					9		12.3752									
FN1478	-0.894	8.153			9	23	12.3752	23.0000	AAL95671.1  Hypothetical protein							
FN1479	0.090	8.784	2.494e-1	7.965e-1	25	10	26.8299	13.7014	AAL95672.1  Hypothetical protein							
					12	27	16.5002	27.0000								
FN1480	-1.480	7.050	3.565e-3	1.595e-3	9	12	9.6588	16.4417	AAL95673.1  MG2+ transporter MGTE							
					3	22	4.1251	22.0000								
FN1481	-1.722	5.926			4	9	4.2928	12.3313	AAL95674.1  Queuine tRNA-ribosyltransferase							
						16		16.0000								
FN1482	-1.516	9.828	1.034e-4	8.913e-6	14	35	15.0247	47.9549	AAL95675.1  Guanosine-3',5'-bis(Diphosphate) 3'-pyrophosphohydrolase							
					15	54	20.6253	54.0000								

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Proteins found: 1305

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Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1483	0.976	10.717	9.76e-5	7.935e-6	56	23	60.0990	31.5132	AAL95676.1  Adenine phosphoribosyltransferase							
					40	27	55.0008	27.0000								
FN1484					8		8.5856		AAL95677.1  Tetratricopeptide repeat family protein							
					5		6.8751									
FN1486					5		5.3660		AAL95679.1  magnesium and cobalt efflux protein CorC							
					3		4.1251									
FN1487	0.896	14.076	2.117e-2	2.301e-2	197	45	211.4196	61.6563	AAL95681.1  Chorismate mutase							
					107	131	147.1272	131.0000								
FN1488	-0.722	8.073	9.775e-2	2.114e-1	11	22	11.8052	30.1431	AAL95682.1  Methylenetetrahydrofolate dehydrogenase (NADP+)							
					10	12	13.7502	12.0000								
FN1489	-1.192	7.310	1.698e-2	1.695e-2	4	11	4.2928	15.0715	AAL95683.1  Methionyl-tRNA formyltransferase							
					9	23	12.3752	23.0000								
FN1490	-1.192	7.011			7	9	7.5124	12.3313	AAL95684.1  putative regulatory protein							
						22		22.0000								
FN1491									AAL95685.1  PTS system, IIA component							
						10		10.0000								
FN1493								9.5910	AAL95687.1  Hypothetical protein							
						12		12.0000								
FN1494	0.525	7.169			14		15.0247		AAL95680.1  Rod shape-determining protein mreC							
					10	10	13.7502	10.0000								
FN1496	0.525	7.169			14		15.0247		AAL95680.1  Rod shape-determining protein mreC							
					10	10	13.7502	10.0000								
FN1499	1.149	12.680	3.316e-2	4.413e-2	98	13	105.1732	17.8118	AAL93625.1  Cell surface protein							
					99	91	136.1271	91.0000								
FN1501									AAL93627.1  Nickel transport ATP-binding protein nikD							
					3		4.1251									
FN1504	0.693	12.929	7.972e-3	5.287e-3	117	43	125.5639	58.9160	AAL93630.1  Nickel-binding protein							
					72	80	99.0015	80.0000								
FN1505	-0.756	15.444	1.474e-2	1.372e-2	158	172	169.5649	235.6641	AAL93631.1  6,7-dimethyl-8-ribityllumazine synthase							
					113	313	155.3773	313.0000								
FN1506	0.033	8.606	2.755e-1	9.117e-1	18	19	19.3175	26.0327	AAL93632.1  Diaminohydroxyphosphoribosylaminopyrimidine deaminase							
					15	13	20.6253	13.0000								

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Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1508	0.397	13.751	7.947e-2	1.544e-1	123	53	132.0031	72.6174	AAL93634.1  GTP cyclohydrolase II							
					100	132	137.5021	132.0000								
FN1512					3		3.2196		AAL93638.1  hypothetical exported 24-amino acid repeat protein							
					3		4.1251									
FN1517	0.306	15.584	1.128e-1	2.654e-1	235	102	252.2010	139.7543	AAL93643.1  Leucyl-tRNA synthetase							
					175	259	240.6286	259.0000								
FN1519	0.904	8.305			21		22.5371		AAL93645.1  23S rRNA methyltransferase							
					19	13	26.1254	13.0000								
FN1520	1.973	11.802	1.938e-3	6.702e-4	122	9	130.9299	12.3313	AAL93646.1  UDP-N-acetylglucosamine 1-carboxyvinyltransferase							
					77	48	105.8766	48.0000								
FN1523	1.503	14.521	7.781e-4	1.643e-4	253	68	271.5185	93.1695	AAL93649.1  Dipeptide-binding protein							
					178	89	244.7537	89.0000								
FN1525									AAL93651.1  Dipeptide transport ATP-binding protein dppF							
					6		8.2501									
FN1526	-0.286	21.917	2.052e-1	6.188e-1	1491	2501	1600.1349	3426.7198	AAL93652.1  Fusobacterium outer membrane protein family							
					1457	968	2003.4052	968.0000								
FN1527	1.938	11.812	2.33e-3	8.551e-4	97	25	104.1000	34.2535	AAL93653.1  Hypothetical protein							
					95	27	130.6270	27.0000								
FN1528	1.037	12.554	1.318e-2	1.148e-2	84	52	90.1484	71.2473	AAL93654.1  Hypothetical protein							
					96	37	132.0020	37.0000								
FN1529	0.058	12.459	2.761e-1	9.146e-1	53	84	56.8794	115.0917	AAL93655.1  Hypothetical protein							
					70	32	96.2515	32.0000								
FN1531	0.554	10.667	9.789e-2	2.119e-1	59	15	63.3185	20.5521	AAL93657.1  murein hydrolase export regulator							
					25	46	34.3755	46.0000								
FN1533	-0.141	19.382	2.545e-1	8.186e-1	744	1043	798.4576	1429.0559	AAL93659.1  Electron transfer flavoprotein alpha-subunit							
					564	307	775.5117	307.0000								
FN1534	-0.628	20.216	1.251e-1	3.091e-1	868	1502	931.5339	2057.9500	AAL93660.1  Electron transfer flavoprotein beta-subunit							
					614	686	844.2627	686.0000								
FN1535	-0.790	21.547	1.079e-2	8.541e-3	1208	1883	1296.4205	2579.9733	AAL93661.1  Acyl-CoA dehydrogenase, short-chain specific							
					993	2023	1365.3956	2023.0000								
FN1536	-1.310	19.626	6.391e-3	3.632e-3	539	905	578.4525	1239.9766	AAL93662.1  (S)-2-hydroxy-acid oxidase chain D							
					410	1593	563.7585	1593.0000								

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1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1537						4		5.4806			AAL93663.1  Arsenical pump-driving ATPase									
FN1538	-0.584	7.128			9	8	9.6588	10.9611			AAL93664.1  Arsenical pump-driving ATPase									
FN1539	-0.510	15.676	6.401e-2	1.143e-1	187	246	200.6876	337.0544			AAL93665.1  Iron-sulfur cluster-binding protein									
FN1540	-1.799	16.108	1.516e-2	1.439e-2	122	450	130.9299	616.5629			AAL93666.1  Iron-sulfur cluster-binding protein									
FN1544	-1.944	17.036	4.389e-2	6.559e-2	156	762	167.4185	1044.0466			AAL93670.1  Probable electron transfer flavoprotein-quinone oxidoreductase ydiS									
FN1545	-2.497	11.678	7.813e-2	1.507e-1	18	173	19.3175	237.0342			AAL93671.1  Ferredoxin like protein									
FN1546	-0.465	21.417	1.501e-1	4.019e-1	1330	2138	1427.3504	2929.3590			AAL93672.1  Protein Translation Elongation Factor G (EF-G)									
FN1547	0.404	14.279	2.769e-2	3.382e-2	151	76	162.0526	104.1306			AAL93673.1  PTS permease for N-acetylglucosamine and glucose									
FN1548	0.967	10.518	3.4e-2	4.586e-2	37	21	39.7082	28.7729			AAL93674.1  Hypothetical protein									
FN1549	0.945	19.354	1.889e-3	6.427e-4	1019	362	1093.5865	495.9906			AAL93675.1  Stomatin like protein									
FN1552						4		4.0000			AAL93678.1  abortive phage resistance protein									
FN1553	1.083	7.862	2.959e-2	3.729e-2	26	8	27.9031	10.9611			AAL93679.1  abortive phage resistance protein									
FN1554	-0.065	15.787	2.053e-1	6.193e-1	195	158	209.2732	216.4821			AAL93680.1  Fusobacterium outer membrane protein family									
FN1555	0.590	24.162	3.299e-5	1.409e-6	5050	2528	5419.6386	3463.7135			AAL93681.1  Protein Translation Elongation Factor Tu									
FN1556	1.026	20.209	1.398e-4	1.616e-5	1392	621	1493.8885	850.8568			AAL93682.1  Protein Translation Elongation Factor G (EF-G)									
FN1557	1.182	16.033	9.898e-4	2.369e-4	381	124	408.8876	169.8973			AAL93683.1  SSU ribosomal protein S7P									

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Test Cutoff

q-Value p-Value

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no	n/a	bars
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Fn Summary Table		FnPg vs Fn		FnSg vs Fn		FnPgSg vs Fn		FnPgSg vs FnPg		FnSg vs FnPg		FnPgSg vs FnSg		Fn Coverage				
Protein	FnPgSg vs FnPg				Raw				Normalized				Log <sub>2</sub> Ratios					
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
FN1558	0.138	13.531				128		175.3779			AAL93684.1  SSU ribosomal protein S12P							
						83	32	114.1267	32.0000									
FN1560	-0.096	13.297	2.736e-1	9.028e-1	86	12	92.2948	16.4417			AAL93686.1  unknown							
						74	191	101.7515	191.0000									
FN1562	-0.395	5.243			5	3	5.3660	4.1104			AAL93688.1  Phospho-2-dehydro-3-deoxyheptonate aldolase							
							10	10.0000										
FN1577	-0.517	15.208	1.011e-1	2.234e-1	152	112	163.1258	153.4557			AAL93692.1  Rod shape-determining protein mreB							
						118	312	162.2524	312.0000									
FN1579	-0.425	12.341	1.029e-1	2.3e-1	62	43	66.5381	58.9160			AAL93694.1  Cysteinyl-tRNA synthetase							
						42	108	57.7509	108.0000									
FN1581	-0.035	10.214	2.59e-1	8.38e-1	34	21	36.4887	28.7729			AAL93696.1  DNA mismatch repair protein mutS							
						23	41	31.6255	41.0000									
FN1582											AAL93697.1  Hypothetical protein							
							22	22.0000										
FN1586											AAL93701.1  O-succinylbenzoate-CoA synthase							
							18	18.0000										
FN1589	0.495	8.389	1.205e-1	2.925e-1	20	5	21.4639	6.8507			AAL93704.1  LexA repressor							
						16	24	22.0003	24.0000									
FN1590											AAL93705.1  Hypothetical lipoprotein							
							5	5.0000										
FN1591	0.431	15.252	1.435e-2	1.313e-2	202	141	216.7855	193.1897			AAL93706.1  RNFB-related protein							
						176	147	242.0036	147.0000									
FN1592	0.344	7.745									AAL93707.1  Na(+)-translocating NADH-quinone reductase subunit D							
						12	13	16.5002	13.0000									
FN1594	1.334	11.910	2.603e-3	9.967e-4	90	22	96.5876	30.1431			AAL93709.1  Nitrogen fixation protein RNFG							
						73	48	100.3765	48.0000									
FN1595	0.361	14.681	1.798e-1	5.125e-1	177	35	189.9556	47.9549			AAL93710.1  Na(+)-translocating NADH-quinone reductase subunit B							
						129	238	177.3777	238.0000									
FN1596	0.350	19.226	1.36e-1	3.515e-1	748	722	802.7504	989.2410			AAL93711.1  Nitrogen fixation iron-sulphur protein RNFC							
						702	398	965.2646	398.0000									
FN1597	-2.674	6.878			4	20	4.2928	27.4028			AAL93712.1  Peptidyl-tRNA hydrolase							

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q-Value

p-Value

.005

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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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1600						11		11.0000					AAL93715.1  tRNA pseudouridine synthase A							
FN1602					4		5.5001						AAL93717.1  Hypothetical cytosolic protein							
FN1603	0.345	5.253			4	4	4.2928	5.4806					AAL93718.1  2',3'-cyclic nucleotide 3'-phosphodiesterase							
FN1605	-0.233	16.203	1.305e-1	3.296e-1	239	169	256.4938	231.5536					AAL93720.1  Adenylosuccinate synthetase							
FN1606	-0.294	8.179	1.352e-1	3.481e-1	12	10	12.8783	13.7014					AAL93721.1  3-deoxy-D-manno-octulosonic-acid transferase							
FN1607	-0.673	7.592				11		15.0715					AAL93722.1  Cytidylate kinase							
FN1608						8		8.0000					AAL93723.1  Ribosomal protein L11 methyltransferase							
FN1609	-1.483	5.687			4		4.2928						AAL93724.1  Hypothetical protein							
FN1610	-1.511	9.013	3.332e-5	1.433e-6	11	29	11.8052	39.7341					AAL93725.1  33 kDa chaperonin							
FN1613	0.062	8.599	1.88e-1	5.455e-1	17	15	18.2443	20.5521					AAL93728.1  Hypothetical protein							
FN1614	-0.524	9.186	2.064e-2	2.22e-2	17	24	18.2443	32.8834					AAL93729.1  MG(2+) chelatase family protein							
FN1616	1.848	9.848			74		79.4165						AAL93731.1  N utilization substance protein B							
FN1618	0.500	10.812	6.944e-2	1.277e-1	44	17	47.2206	23.2924					AAL93733.1  Hypothetical protein							
FN1619	0.725	16.205	1.195e-2	9.897e-3	282	134	302.6412	183.5987					AAL93734.1  Hypothetical cytosolic protein							
FN1620	0.500	18.254	7.539e-2	1.433e-1	624	468	669.6741	641.2254					AAL93735.1  SSU ribosomal protein S2P							
FN1621	0.551	20.474	3.868e-2	5.494e-2	1181	923	1267.4442	1264.6391					AAL93736.1  Protein Translation Elongation Factor Ts							

Show detected proteins only  
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Proteins found: 1305

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1622	1.232	14.365	1.129e-3	2.962e-4	224	53	240.3958	72.6174	AAL93737.1  Uridylate kinase							
					149	117	204.8781	117.0000								
FN1623	0.982	11.407	3.319e-3	1.433e-3	66	22	70.8309	30.1431	AAL93738.1  Ribosome Recycling Factor (RRF)							
					55	44	75.6261	44.0000								
FN1624	1.666	10.584			66		70.8309		AAL93739.1  Protein translocase subunit secY							
					50	22	68.7510	22.0000								
FN1625	0.625	13.277	6.993e-2	1.29e-1	114	85	122.3443	116.4619	AAL93740.1  LSU ribosomal protein L15P							
					91	44	125.1269	44.0000								
FN1626	2.475	8.815			51		54.7330		AAL93741.1  LSU ribosomal protein L30P							
					33	9	45.3757	9.0000								
FN1627	1.420	17.495	1.469e-2	1.365e-2	791	193	848.8978	264.4370	AAL93742.1  SSU ribosomal protein S5P							
					405	261	556.8834	261.0000								
FN1628	-0.145	15.795			242	183	259.7134	250.7356	AAL93743.1  LSU ribosomal protein L18P							
					141		193.8779									
FN1629	-0.359	16.420	1.793e-1	5.103e-1	217	369	232.8835	505.5816	AAL93744.1  LSU ribosomal protein L6P							
					211	165	290.1294	165.0000								
FN1630	1.095	13.592	4.901e-2	7.716e-2	204	57	218.9319	78.0980	AAL93745.1  SSU ribosomal protein S8P							
					77	74	105.8766	74.0000								
FN1631	2.663	7.307			27		28.9763		AAL93746.1  SSU ribosomal protein S14P							
					25	5	34.3755	5.0000								
FN1632	0.770	16.207	3.245e-4	4.639e-5	326	152	349.8618	208.2613	AAL93747.1  LSU ribosomal protein L5P							
					268	213	368.5056	213.0000								
FN1634	-0.445	11.573			51	47	54.7330	64.3966	AAL93749.1  LSU ribosomal protein L24P							
					29		39.8756									
FN1635	2.328	10.593	6.093e-3	3.372e-3	68	11	72.9773	15.0715	AAL93750.1  LSU ribosomal protein L14P							
					75	20	103.1266	20.0000								
FN1636	0.556	9.799	1.266e-1	3.146e-1	29	6	31.1227	8.2208	AAL93751.1  SSU ribosomal protein S17P							
					30	41	41.2506	41.0000								
FN1637					34		36.4887		AAL93752.1  LSU ribosomal protein L29P							
					31		42.6256									
FN1638	2.135	14.475	1.758e-3	5.738e-4	292	73	313.3732	100.0202	AAL93753.1  LSU ribosomal protein L16P							
					232	44	319.0048	44.0000								

Show detected proteins only  
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Proteins found:  
 1305

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



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

Protein	FnPgSg vs FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios							
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6	
FN1639	0.889	19.546	1.293e-2	1.113e-2	1241	619	1331.8359	848.1166													
					763	438	1049.1408	438.0000	AAL93754.1  SSU ribosomal protein S3P												
FN1640	2.300	15.503	1.902e-3	6.501e-4	380	98	407.8144	134.2737													
					399	60	548.6333	60.0000	AAL93755.1  LSU ribosomal protein L22P												
FN1641	0.916	14.954	4.351e-2	6.477e-2	246	147	264.0062	201.4106													
					164	58	225.5034	58.0000	AAL93756.1  SSU ribosomal protein S19P												
FN1642	0.080	15.932	2.689e-1	8.816e-1	233	285	250.0546	390.4899													
					192	96	264.0040	96.0000	AAL93757.1  LSU ribosomal protein L2P												
FN1643	-0.241	13.367	2.237e-1	6.907e-1	84	131	90.1484	179.4883													
					72	44	99.0015	44.0000	AAL93758.1  LSU ribosomal protein L23P												
FN1644	0.978	19.726	7.507e-3	4.746e-3	1202	594	1289.9813	813.8631													
					963	513	1324.1450	513.0000	AAL93759.1  LSU ribosomal protein L1E												
FN1645	1.949	17.537	3.325e-3	1.438e-3	764	248	819.9216	339.7947													
					650	104	893.7635	104.0000	AAL93760.1  LSU ribosomal protein L3P												
FN1646	0.215	15.106	1.93e-1	5.663e-1	163	180	174.9309	246.6252													
					167	102	229.6285	102.0000	AAL93761.1  SSU ribosomal protein S10P												
FN1647	0.589	17.336	1.227e-1	3.002e-1	530	409	568.7937	560.3872													
					312	103	429.0065	103.0000	AAL93762.1  Hypothetical protein												
FN1652	0.828	12.259	2.003e-5	6.731e-7	88	38	94.4412	52.0653													
					67	53	92.1264	53.0000	AAL93767.1  Oligopeptide-binding protein oppA												
FN1654	-0.612	11.064	1.319e-1	3.35e-1	39	20	41.8546	27.4028													
					24	87	33.0005	87.0000	AAL93769.1  Hypothetical protein												
FN1655	-1.076	11.732	4.52e-2	6.843e-2	39	82	41.8546	112.3515													
					28	57	38.5006	57.0000	AAL93770.1  Hypothetical cytosolic protein												
FN1656					21		22.5371														
					27		37.1256		AAL93771.1  SSU ribosomal protein S18P												
FN1657	-0.687	12.974	1.618e-1	4.438e-1	60	145	64.3917	198.6703													
					56	29	77.0012	29.0000	AAL93772.1  SSU ribosomal protein S6P												
FN1658	1.436	14.077	1.326e-3	3.795e-4	189	59	202.8340	80.8383													
					167	79	229.6285	79.0000	AAL93773.1  Prolyl-tRNA synthetase												
FN1661	0.507	10.602	6.373e-3	3.615e-3	44	22	47.2206	30.1431													
					34	36	46.7507	36.0000	AAL93776.1  Hypothetical cytosolic protein												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1662	0.220	9.356	1.743e-1	4.909e-1	31	12	33.2691	16.4417	AAL93777.1  Hypothetical protein							
					16	31	22.0003	31.0000								
FN1663	1.099	7.439			18		19.3175		AAL93778.1  Hypothetical protein							
					14	9	19.2503	9.0000								
FN1667						3		4.1104	AAL93782.1  dTDP-glucose 4,6-dehydratase							
FN1668									AAL93783.1  Cholinephosphate cytidyltransferase							
						5		5.0000								
FN1670	-0.256	9.582	8.4e-2	1.675e-1	28	23	30.0495	31.5132	AAL93785.1  Choline kinase							
					15	29	20.6253	29.0000								
FN1679	-0.323	17.283	1.052e-1	2.385e-1	354	249	379.9113	341.1648	AAL93794.1  LPS biosynthesis protein WbpG							
					243	552	334.1300	552.0000								
FN1683	0.896	10.706	4.808e-2	7.497e-2	68	16	72.9773	21.9222	AAL93798.1  Acetyltransferase							
					28	38	38.5006	38.0000								
FN1684	-0.166	17.072	1.777e-1	5.042e-1	311	358	333.7639	490.5101	AAL93799.1  N-acetylneuraminate synthase							
					267	296	367.1305	296.0000								
FN1685	-0.271	11.975	1.921e-1	5.627e-1	50	74	53.6598	101.3903	AAL93800.1  dTDP-4-dehydrorhamnose reductase							
					45	38	61.8759	38.0000								
FN1686	-0.161	15.922	2.246e-1	6.942e-1	256	270	274.7381	369.9378	AAL93801.1  Spore coat polysaccharide biosynthesis protein spsF							
					143	157	196.6280	157.0000								
FN1687	0.119	15.373	1.23e-1	3.015e-1	222	147	238.2495	201.4106	AAL93802.1  Gluconate 5-dehydrogenase							
					139	194	191.1279	194.0000								
FN1688	-0.486	13.781	1.738e-1	4.888e-1	92	167	98.7340	228.8134	AAL93803.1  Oxidoreductase							
					74	52	101.7515	52.0000								
FN1689	0.804	17.324	1.119e-3	2.917e-4	494	241	530.1587	330.2037	AAL93804.1  UDP-N-acetylglucosamine 4,6-dehydratase							
					393	283	540.3831	283.0000								
FN1690	-0.975	10.093	4.943e-2	7.816e-2	26	45	27.9031	61.6563	AAL93805.1  Hypothetical protein							
					14	31	19.2503	31.0000								
FN1692	0.499	10.397	1.218e-1	2.969e-1	57	21	61.1722	28.7729	AAL93807.1  Glycosyl transferase							
					19	33	26.1254	33.0000								
FN1693	0.183	8.180	1.997e-1	5.95e-1	21	8	22.5371	10.9611	AAL93808.1  Hypothetical protein							
					10	21	13.7502	21.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1694	0.870	12.342	2.391e-2	2.733e-2	88	53	94.4412	72.6174	AAL93809.1  UDP-N-acetyl-D-quinovosamine 4-epimerase							
					73	34	100.3765	34.0000								
FN1695	1.619	9.044	2.539e-3	9.623e-4	43	6	46.1474	8.2208	AAL93810.1  Probable quinovosaminephosphotransferase							
					25	18	34.3755	18.0000								
FN1696	0.020	14.703	2.774e-1	9.202e-1	163	93	174.9309	127.4230	AAL93811.1  UDP-N-acetylglucosamine 4,6-dehydratase							
					112	197	154.0023	197.0000								
FN1697	-0.155	12.913	2.349e-1	7.36e-1	68	36	72.9773	49.3250	AAL93812.1  Hypothetical protein							
					68	136	93.5014	136.0000								
FN1698	-0.733	13.739	5.955e-2	1.036e-1	78	77	83.7093	105.5008	AAL93813.1  dTDP-4-dehydrorhamnose reductase							
					71	196	97.6265	196.0000								
FN1701	-0.358	10.081	5.329e-2	8.782e-2	26	23	27.9031	31.5132	AAL93816.1  ABC transporter ATP-binding protein							
					22	43	30.2505	43.0000								
FN1703	-0.779	13.578	1.007e-1	2.219e-1	74	56	79.4165	76.7278	AAL93818.1  ADP-L-glycero-D-manno-heptose-6-epimerase							
					65	213	89.3763	213.0000								
FN1704	-0.299	6.117			7	4	7.5124	5.4806	AAL93819.1  Serine protease							
						13		13.0000								
FN1708	0.356	17.781	5.334e-4	9.817e-5	488	294	523.7195	402.8211	AAL93823.1  Polyribonucleotide nucleotidyltransferase							
					400	436	550.0083	436.0000								
FN1711					3		3.2196		AAL93826.1  Methyltransferase							
					3		4.1251									
FN1713									AAL93828.1  tRNA (Uracil-5-) - methyltransferase							
						11		11.0000								
FN1715									AAL93830.1  ATPase							
						3		3.0000								
FN1717	-0.404	7.988	1.247e-1	3.078e-1	13	18	13.9515	24.6625	AAL93832.1  NAD-dependent DNA ligase							
					10	12	13.7502	12.0000								
FN1718	0.130	17.029	1.095e-1	2.543e-1	372	284	399.2288	389.1197	AAL93833.1  Protein translocase subunit secA							
					266	310	365.7555	310.0000								
FN1719	-0.176	16.248	7.711e-2	1.479e-1	261	238	280.1041	326.0933	AAL93834.1  Hypothetical protein							
					178	267	244.7537	267.0000								
FN1723	0.619	12.380	8.064e-3	5.4e-3	93	40	99.8072	54.8056	AAL93838.1  Glucose inhibited division protein A							
					59	63	81.1262	63.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1724	-1.154	7.479	1.061e-1	2.421e-1	9	5	9.6588	6.8507	AAL93839.1  Potassium uptake protein KtrA							
					6	33	8.2501	33.0000								
FN1727					4		4.2928		AAL93842.1  Chloride channel protein							
					4		5.5001									
FN1728	-1.508	6.735	8.793e-5	6.524e-6	5	13	5.3660	17.8118	AAL93843.1  Pyrrolidone-carboxylate peptidase							
					5	17	6.8751	17.0000								
FN1730	-0.688	6.777				7		9.5910	AAL93845.1  Para-aminobenzoate synthase component I							
					6	17	8.2501	17.0000								
FN1731	0.965	7.239			16	7	17.1711	9.5910	AAL93846.1  Anthranilate synthase component II							
						8		8.0000								
FN1732	-1.246	10.006	5.457e-2	9.121e-2	26	21	27.9031	28.7729	AAL93847.1  Hypothetical protein							
					10	70	13.7502	70.0000								
FN1733									AAL93848.1  V-type sodium ATP synthase subunit D							
						8		8.0000								
FN1734	-0.129	14.167	1.446e-1	3.821e-1	102	99	109.4660	135.6438	AAL93849.1  V-type sodium ATP synthase subunit B							
					109	148	149.8773	148.0000								
FN1735	-1.290	12.238	5.271e-2	8.632e-2	38	47	40.7814	64.3966	AAL93850.1  V-type sodium ATP synthase subunit A							
					35	153	48.1257	153.0000								
FN1736	-1.821	8.019	2.54e-2	2.981e-2	7	15	7.5124	20.5521	AAL93851.1  V-type sodium ATP synthase subunit A							
					7	40	9.6251	40.0000								
FN1737						3		4.1104	AAL93852.1  V-type sodium ATP synthase subunit G							
						6		6.0000								
FN1738	-2.659	10.305	3.368e-2	4.519e-2	11	94	11.8052	128.7931	AAL93853.1  V-type sodium ATP synthase subunit C							
					12	50	16.5002	50.0000								
FN1739	1.155	7.194	8.725e-7	7.771e-9	17	6	18.2443	8.2208	AAL93854.1  V-type sodium ATP synthase subunit E							
					13	8	17.8753	8.0000								
FN1740									AAL93855.1  V-type sodium ATP synthase subunit K							
						185		185.0000								
FN1741	-2.087	7.840	2.797e-3	1.105e-3	6	20	6.4392	27.4028	AAL93856.1  V-type sodium ATP synthase subunit I							
					6	35	8.2501	35.0000								
FN1742						9		12.3313	AAL93857.1  V-type sodium ATP synthase subunit G							
						8		8.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1743								8			8.0000									
FN1745	-1.461	7.709			6		6.4392													
FN1746																				
FN1752																				
FN1754																				
FN1763	-2.203	9.765																		
FN1764	-0.410	23.624	1.963e-1	5.803e-1	2954	926	3170.2203	1268.7495												
FN1765	0.411	18.283	1.14e-1	2.698e-1	563	207	604.2092	283.6189												
FN1780	1.215	8.485	1.004e-2	7.598e-3	23	5	24.6835	6.8507												
FN1781	0.121	17.972	1.867e-1	5.402e-1	496	433	532.3051	593.2706												
FN1783																				
FN1784	-0.541	6.103																		
FN1785	1.793	9.194			25		26.8299													
FN1786	1.290	10.539	1.576e-2	1.535e-2	56	9	60.0990	12.3313												
FN1787	1.097	9.179	1.653e-2	1.635e-2	40	16	42.9278	21.9222												
FN1788	0.044	9.299	2.706e-1	8.895e-1	27	12	28.9763	16.4417												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1790	-1.822	8.430	1.002e-1	2.2e-1	12	5	12.8783	6.8507	AAL93889.1  Cob(I)alamin adenosyltransferase											
					5	63	6.8751	63.0000												
FN1792	1.318	25.036	7.919e-3	5.222e-3	8681	3669	9316.4123	5027.0431	AAL93891.1  Hypothetical protein											
					6695	2401	9205.7638	2401.0000												
FN1793	-0.993	14.177	1.286e-1	3.223e-1	85	38	91.2216	52.0653	AAL93892.1  Phosphoenolpyruvate-protein phosphotransferase											
					74	332	101.7515	332.0000												
FN1794	1.911	12.582	1.253e-2	1.062e-2	110	29	118.0515	39.7341	AAL93893.1  Phosphocarrier protein HPr											
					135	41	185.6278	41.0000												
FN1797	-0.700	10.522	9.57e-2	2.044e-1	33	21	35.4155	28.7729	AAL93896.1  Spermidine/putrescine transport ATP-binding protein potA											
					18	69	24.7504	69.0000												
FN1798	-0.744	5.900			6		6.4392		AAL93897.1  Spermidine/putrescine transport system permease protein potB											
					4	10	5.5001	10.0000												
FN1800	0.853	13.964	4.957e-3	2.494e-3	177	57	189.9556	78.0980	AAL93899.1  Peptidyl-prolyl cis-trans isomerase											
					109	110	149.8773	110.0000												
FN1801	-1.949	7.767			7		7.5124		AAL93900.1  Sodium/glutamate symport carrier protein											
						29		29.0000												
FN1803					22		23.6103		AAL93902.1  Transcriptional regulator, TetR family											
FN1804									AAL93903.1  Aminoacyl-histidine dipeptidase											
						22		22.0000												
FN1807	0.435	17.149	1.233e-3	3.388e-4	407	251	436.7907	343.9051	AAL93906.1  Hypothetical protein											
					327	312	449.6318	312.0000												
FN1808	1.442	8.612			30		32.1959		AAL93907.1  Hypothetical protein											
					24	12	33.0005	12.0000												
FN1809	0.210	9.201	2.412e-1	7.621e-1	23	3	24.6835	4.1104	AAL93908.1  Iron/zinc/copper-binding protein											
					20	41	27.5004	41.0000												
FN1811	0.301	9.176	1.695e-1	4.725e-1	19	9	20.3907	12.3313	AAL93910.1  Manganese transport system ATP-binding protein mntA											
					24	31	33.0005	31.0000												
FN1812	-0.120	13.739	2.616e-1	8.492e-1	95	148	101.9536	202.7807	AAL93911.1  Manganese-binding protein											
					89	41	122.3768	41.0000												
FN1813	0.809	7.453			16		17.1711		AAL93912.1  Manganese-binding protein											
					13	10	17.8753	10.0000												

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1814					18		19.3175		AAL93913.1  Hypothetical protein							
					5		6.8751									
FN1816	-0.398	6.092	4.697e-2	7.241e-2	7	8	7.5124	10.9611	AAL93915.1  unknown							
					5	8	6.8751	8.0000								
FN1817	0.803	5.999	3.244e-2	4.268e-2	12	3	12.8783	4.1104	AAL93916.1  Hemolysin							
					6	8	8.2501	8.0000								
FN1825					10		10.7320		AAL93924.1  Hypothetical protein							
					7		9.6251									
FN1826	0.832	10.592	3.215e-3	1.363e-3	49	24	52.5866	32.8834	AAL93925.1  Protease							
					38	26	52.2508	26.0000								
FN1827	-0.438	10.598	7.193e-2	1.341e-1	31	26	33.2691	35.6236	AAL93926.1  Replicative DNA helicase							
					25	56	34.3755	56.0000								
FN1828	-0.942	11.784	1.199e-1	2.902e-1	35	99	37.5619	135.6438	AAL93927.1  LSU ribosomal protein L9P							
					35	29	48.1257	29.0000								
FN1830	-1.284	9.311	4.641e-2	7.113e-2	16	18	17.1711	24.6625	AAL93929.1  DNA polymerase III subunits gamma and tau							
					11	54	15.1252	54.0000								
FN1831	-1.301	11.892	9.341e-4	2.159e-4	45	77	48.2938	105.5008	AAL93930.1  Nitrogen assimilation regulatory protein							
					22	88	30.2505	88.0000								
FN1832					4		4.2928		AAL93931.1  TonB protein							
FN1833	0.448	8.623			24		25.7567		AAL93932.1  Biopolymer transport exbD protein							
					15	17	20.6253	17.0000								
FN1834	0.395	9.960	3.835e-2	5.428e-2	29	19	31.1227	26.0327	AAL93933.1  Biopolymer transport exbB protein							
					30	29	41.2506	29.0000								
FN1836	0.846	11.849	6.353e-3	3.598e-3	80	26	85.8557	35.6236	AAL93935.1  Tetratricopeptide repeat family protein							
					56	55	77.0012	55.0000								
FN1838	-1.439	8.561			11		11.8052		AAL93937.1  Glycerol uptake facilitator protein							
						32		32.0000								
FN1839	-0.907	17.801	7.273e-2	1.362e-1	284	286	304.7876	391.8600	AAL93938.1  Glycerol kinase							
					286	917	393.2559	917.0000								
FN1840	0.195	13.008	8.779e-2	1.789e-1	90	53	96.5876	72.6174	AAL93939.1  Dihydroxyacetone kinase							
					71	97	97.6265	97.0000								

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Test Cutoff

q-Value

p-Value

.005

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

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1841	-0.334	8.117	1.795e-1	5.11e-1	11	20	11.8052	27.4028	AAL93940.1   Dihydroxyacetone kinase							
					13	10	17.8753	10.0000								
FN1842	1.112	10.308	5.622e-3	2.987e-3	54	12	57.9526	16.4417	AAL93941.1   Dihydroxyacetone kinase phosphotransfer protein							
					34	32	46.7507	32.0000								
FN1843						3		4.1104	AAL93942.1   Surface antigen							
FN1844								5.0000	AAL93943.1   Ketoacyl reductase hetN							
							5									
FN1847								6.8507	AAL93946.1   DTD-4-dehydrorhamnose 3,5-epimerase							
							24	24.0000								
FN1848	0.138	4.781							AAL93947.1   Metal dependent hydrolase							
					4	5	5.5001	5.0000								
FN1849	-2.483	6.687						4.2928	AAL93948.1   Coenzyme F390 synthetase							
							24	24.0000								
FN1850									AAL93949.1   3-oxoacyl-[acyl-carrier-protein] synthase III							
							48	48.0000								
FN1851	-1.047	12.055	1.144e-1	2.709e-1	41	23	44.0010	31.5132	AAL93950.1   Ribonuclease PH							
					34	156	46.7507	156.0000								
FN1852	0.471	10.512	6.999e-2	1.291e-1	39	16	41.8546	21.9222	AAL93951.1   unknown							
					35	43	48.1257	43.0000								
FN1853	-1.649	6.877	4.563e-2	6.937e-2	5	20	5.3660	27.4028	AAL93952.1   Methylaspartate mutase							
					5	11	6.8751	11.0000								
FN1854	-0.352	10.114	8.161e-2	1.605e-1	28	33	30.0495	45.2146	AAL93953.1   Methylaspartate mutase							
					21	30	28.8754	30.0000								
FN1855								4.0000	AAL93954.1   Methylaspartate mutase							
							4									
FN1856	-0.081	23.136	1.603e-1	4.384e-1	2988	2099	3206.7089	2875.9235	AAL93955.1   Butyrate-acetoacetate CoA-transferase subunit B							
					1963	3369	2699.1657	3369.0000								
FN1857	-0.611	19.981	3.737e-3	1.711e-3	687	897	737.2855	1229.0154	AAL93956.1   Acetoacetate: butyrate/acetate coenzyme A transferase							
					661	1285	908.8887	1285.0000								
FN1858	1.480	12.203			92	30	98.7340	41.1042	AAL93957.1   Short-chain fatty acids transporter							
					95		130.6270									

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Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1859	-1.872	22.626	1.071e-1	2.46e-1	1120	443	1201.9792	606.9720	AAL93958.1  Major outer membrane protein							
					1060	9128	1457.5220	9128.0000								
FN1860	-0.814	11.403			27		28.9763		AAL93959.1  NA+/H+ antiporter NHAC							
					36	69	49.5007	69.0000								
FN1862	0.128	15.880	2.215e-1	6.821e-1	249	232	267.2257	317.8724	AAL93961.1  L-beta-lysine 5,6-aminomutase beta subunit							
					179	152	246.1287	152.0000								
FN1863	-0.463	18.754	1.856e-1	5.357e-1	483	957	518.3535	1311.2238	AAL93962.1  L-beta-lysine 5,6-aminomutase alpha subunit							
					447	250	614.6343	250.0000								
FN1864	0.671	8.212	1.062e-1	2.425e-1	20	17	21.4639	23.2924	AAL93963.1  DNA mismatch repair protein mutS							
					16	4	22.0003	4.0000								
FN1865					3		3.2196		AAL93964.1  Hypothetical protein							
FN1866	0.438	20.860	6.768e-2	1.233e-1	1420	1117	1523.9380	1530.4462	AAL93965.1  Lysine 2,3-aminomutase							
					1227	840	1687.1504	840.0000								
FN1867	0.197	20.209	1.97e-1	5.833e-1	1165	1058	1250.2731	1449.6080	AAL93966.1  Zn-dependent alcohol dehydrogenases and related dehydrogenases							
					805	607	1106.8917	607.0000								
FN1868	0.761	14.237	1.486e-2	1.39e-2	168	96	180.2969	131.5334	AAL93967.1  Hypothetical cytosolic protein							
					132	82	181.5027	82.0000								
FN1869	0.057	14.998	2.608e-1	8.458e-1	167	172	179.2237	235.6641	AAL93968.1  Hypothetical protein							
					138	119	189.7529	119.0000								
FN1870									AAL93969.1  unknown							
					3		4.1251									
FN1873	0.956	11.028	6.534e-3	3.762e-3	52	26	55.8062	35.6236	AAL93972.1  Bis(5'-nucleosyl)-tetraphosphatase							
					52	30	71.5011	30.0000								
FN1874	0.311	8.979	1.413e-1	3.702e-1	21	9	22.5371	12.3313	AAL93973.1  Ribose 5-phosphate isomerase							
					20	28	27.5004	28.0000								
FN1875	-0.098	14.092	1.804e-1	5.147e-1	133	112	142.7350	153.4557	AAL93974.1  Peptidyl-prolyl cis-trans isomerase							
					82	120	112.7517	120.0000								
FN1877	0.324	5.494			7		7.5124		AAL93976.1  Guanine-hypoxanthine permease							
						6		6.0000								
FN1878					5		5.3660		AAL93977.1  unknown							

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 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6	
FN1879					25		26.8299				AAL93978.1  SSU ribosomal protein S20P								
					23		31.6255												
FN1880	-1.546	13.050	1.109e-3	2.871e-4	62	118	66.5381	161.6765	62	118	AAL93979.1  Oxygen-insensitive NAD(P)H nitroreductase								
					30	153	41.2506	153.0000	30	153									
FN1881	-0.635	6.009			6		6.4392		6		AAL93980.1  Esterase								
						10		10.0000		10									
FN1884	1.301	12.209			77	32	82.6361	43.8445	77	32	AAL93983.1  unknown								
					97		133.3770		97										
FN1890	-0.572	9.255			16	22	17.1711	30.1431	16	22	AAL93989.1  Hypothetical protein								
					17		23.3754		17										
FN1891	-0.788	8.512	1.377e-1	3.577e-1	13	6	13.9515	8.2208	13	6	AAL93990.1  Glycerophosphoryl diester phosphodiesterase								
					11	42	15.1252	42.0000	11	42									
FN1893	-0.469	17.642	1.688e-2	1.682e-2	309	389	331.6175	532.9844	309	389	AAL93991.1  Fusobacterium outer membrane protein family								
					318	531	437.2566	531.0000	318	531									
FN1895					5		5.3660		5		AAL93994.1  Hypothetical protein								
FN1898	0.557	9.976	1.009e-1	2.226e-1	32	9	34.3423	12.3313	32	9	AAL93997.1  Sugar transport ATP-binding protein								
					31	40	42.6256	40.0000	31	40									
FN1899	-0.695	14.785	3.412e-2	4.611e-2	109	123	116.9783	168.5272	109	123	AAL93998.1  Hypothetical lipoprotein								
					107	259	147.1272	259.0000	107	259									
FN1902	-0.186	9.886	1.019e-1	2.263e-1	23	26	24.6835	35.6236	23	26	AAL94001.1  Deoxycytidylate deaminase								
					24	30	33.0005	30.0000	24	30									
FN1903	3.357	10.898	1.618e-4	1.943e-5	126	17	135.2227	23.2924	126	17	AAL94002.1  Coenzyme A disulfide reductase/ disulfide bond regulator domain								
					105	4	144.3772	4.0000	105	4									
FN1905					3		3.2196		3		AAL94004.1  outer membrane protein								
FN1906	-0.593	17.157	9.311e-2	1.958e-1	320	222	343.4226	304.1710	320	222	AAL94005.1  Cytosol aminopeptidase								
					203	635	279.1292	635.0000	203	635									
FN1908	-0.756	16.023	1.28e-2	1.097e-2	192	213	206.0536	291.8398	192	213	AAL94007.1  Glycerophosphoryl diester phosphodiesterase								
					139	379	191.1279	379.0000	139	379									
FN1909	0.723	13.471	8.19e-3	5.559e-3	127	51	136.2959	69.8771	127	51	AAL94008.1  UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase								
					100	96	137.5021	96.0000	100	96									

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Test Cutoff

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

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

Protein	FnPgSg vs FnPg				Raw				Normalized				Log <sub>2</sub> Ratios					
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	Description	-6	-4	-2	0	2	4	6
FN1910	1.607	16.441	1.193e-4	1.237e-5	454	148	487.2309	202.7807			AAL94009.1  periplasmic protein							
					403	139	554.1334	139.0000										
FN1911	-0.434	21.749	3.584e-2	4.941e-2	1561	1822	1675.2586	2496.3948			AAL94010.1  Outer membrane protein							
					1131	1869	1555.1484	1869.0000										
FN1912	-0.955	5.874				9		12.3313			AAL94011.1  Hypothetical protein							
					4	9	5.5001	9.0000										
FN1913	-0.294	11.654	1.722e-1	4.826e-1	43	64	46.1474	87.6890			AAL94012.1  hydrolase (HD superfamily)							
					41	38	56.3758	38.0000										
FN1914	-1.278	13.356	1.248e-1	3.081e-1	70	213	75.1237	291.8398			AAL94013.1  Anti-sigma F factor antagonist							
					41	27	56.3758	27.0000										
FN1917											AAL94016.1  tRNA delta(2)-isopentenylpyrophosphate transferase							
						6		6.0000										
FN1918	0.846	11.987	3.456e-2	4.702e-2	90	19	96.5876	26.0327			AAL94017.1  SPO0B-associated GTP-binding protein							
					54	69	74.2511	69.0000										
FN1919	0.091	5.897	2.678e-1	8.767e-1	11	8	11.8052	10.9611			AAL94018.1  Methyltransferase							
					3	4	4.1251	4.0000										
FN1920						7		9.5910			AAL94019.1  tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase							
FN1922	-0.975	7.064				12		16.4417			AAL94021.1  Hypothetical protein							
					6	16	8.2501	16.0000										
FN1925											AAL94024.1  Arsenical pump membrane protein							
						6		6.0000										
FN1926	-0.291	12.422	1.894e-1	5.513e-1	71	32	76.1969	43.8445			AAL94025.1  Nitrogen regulatory IIA protein							
					42	120	57.7509	120.0000										
FN1927	-1.243	13.796	5.654e-2	9.618e-2	74	78	79.4165	106.8709			AAL94026.1  DEGV protein							
					55	260	75.6261	260.0000										
FN1928	-0.908	8.707			15		16.0979				AAL94027.1  Transcriptional regulator, MerR family							
					10	28	13.7502	28.0000										
FN1929	-0.666	10.168	1.428e-1	3.756e-1	22	12	23.6103	16.4417			AAL94028.1  Competence-damage protein cinA							
					22	69	30.2505	69.0000										
FN1931											AAL94030.1  Protease							
						7		7.0000										

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Test Cutoff

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

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1933	1.040	6.623	9.028e-3	6.443e-3	15	5	16.0979	6.8507	AAL94032.1   Hypothetical protein							
					9	7	12.3752	7.0000								
FN1935	-0.898	4.272			3		3.2196		AAL94034.1   Adenine-specific methyltransferase							
						6		6.0000								
FN1939	-0.699	7.797			9		9.6588		AAL94038.1   Hypothetical protein							
					10	19	13.7502	19.0000								
FN1941	-1.674	14.958	4.273e-6	1.14e-7	99	239	106.2464	327.4634	AAL94040.1   ClpB protein							
					68	310	93.5014	310.0000								
FN1942						8		10.9611	AAL94041.1   putative DNA-binding protein							
FN1943	-2.422	22.014	5.062e-3	2.568e-3	828	4000	888.6061	5480.5594	AAL94042.1   Tryptophanase							
					647	4049	889.6384	4049.0000								
FN1948						7		7.0000	AAL94044.1   Hypothetical protein							
FN1949	-3.735	7.824				24		32.8834	AAL94045.1   Xaa-Pro dipeptidase							
					3	77	4.1251	77.0000								
FN1950						4		5.5001	AAL94046.1   Serine protease							
FN1956						15		15.0000	AAL94052.1   Hypothetical protein							
FN1964	-0.196	8.237	1.749e-1	4.93e-1	20	14	21.4639	19.1820	AAL94054.1   O-linked GLCNAC transferase							
					8	18	11.0002	18.0000								
FN1965	-0.230	11.179	1.057e-1	2.403e-1	47	44	50.4402	60.2862	AAL94055.1   Tetratricopeptide repeat family protein							
					28	44	38.5006	44.0000								
FN1966	0.792	10.885	9.561e-3	7.033e-3	49	30	52.5866	41.1042	AAL94056.1   Hypothetical protein							
					45	25	61.8759	25.0000								
FN1970					14		15.0247		AAL94060.1   Hemin-binding periplasmic protein hmuT precursor							
FN1971	-0.670	9.749			19		20.3907		AAL94061.1   Hemin receptor							
					19	37	26.1254	37.0000								
FN1972	-2.046	9.816			16		17.1711		AAL94062.1   unknown							
					9	61	12.3752	61.0000								

Show detected proteins only  
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Proteins found: 1305

Test Cutoff

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

Protein	FnPgSg vs FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN1973	0.430	14.638	8.101e-3	5.447e-3	166	111	178.1505	152.0855	AAL94063.1  Translation initiation inhibitor							
					140	123	192.5029	123.0000								
FN1975	0.746	13.048	2.137e-3	7.62e-4	103	49	110.5392	67.1369	AAL94065.1  ATP-dependent RNA helicase							
					93	75	127.8769	75.0000								
FN1976	-0.403	9.223	2.016e-1	6.031e-1	14	6	15.0247	8.2208	AAL94066.1  4-amino-4-deoxychorismate lyase							
					20	48	27.5004	48.0000								
FN1977	-1.160	5.364			4	7	4.2928	9.5910	AAL94067.1  Cell cycle protein MesJ							
FN1978	1.336	13.142	1.571e-2	1.528e-2	129	18	138.4423	24.6625	AAL94068.1  Cell division protein ftsH							
					119	95	163.6275	95.0000								
FN1979	4.204	11.772	2.512e-3	9.481e-4	204	15	218.9319	20.5521	AAL94069.1  SSU ribosomal protein S15P							
					210	7	288.7544	7.0000								
FN1980									AAL94070.1  Transporter							
					3		4.1251									
FN1983	1.624	17.136	1.102e-3	2.838e-4	564	139	605.2824	190.4494	AAL94073.1  Alkyl hydroperoxide reductase C22 protein							
					529	242	727.3860	242.0000								
FN1984	0.309	17.296	1.223e-1	2.988e-1	376	348	403.5216	476.8087	AAL94074.1  Thioredoxin reductase							
					356	244	489.5074	244.0000								
FN1985	-0.134	11.973	2.613e-1	8.482e-1	50	13	53.6598	17.8118	AAL94075.1  Inner membrane protein							
					49	115	67.3760	115.0000								
FN1986	-0.356	16.065	6.746e-2	1.227e-1	234	255	251.1278	349.3857	AAL94076.1  Hypothetical protein							
					154	243	211.7532	243.0000								
FN1987	-2.667	7.160			5	22	5.3660	30.1431	AAL94077.1  Transcriptional regulator, GntR family							
					3		4.1251									
FN1988	-2.609	16.039	4.636e-2	7.101e-2	92	221	98.7340	302.8009	AAL94078.1  Tyrosine phenol-lyase							
					81	979	111.3767	979.0000								
FN1989									AAL94079.1  Sodium-dependent tyrosine transporter							
						16		16.0000								
FN1991	-0.159	17.343	3.886e-2	5.53e-2	349	334	374.5453	457.6267	AAL94081.1  Glucosamine-1-phosphate acetyltransferase							
					289	404	397.3810	404.0000								
FN1992	-0.845	16.012	1.1e-2	8.775e-3	173	219	185.6629	300.0606	AAL94082.1  Ribose-phosphate pyrophosphokinase							
					144	389	198.0030	389.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
<b>FN1993</b>	0.196	5.366							AAL94083.1  SUA5 protein							
					5	6	6.8751	6.0000								
<b>FN1994</b>	-0.235	11.134	2.212e-1	6.809e-1	43	59	46.1474	80.8383	AAL94084.1  Hypothetical protein							
					30	22	41.2506	22.0000								
<b>FN1995</b>	2.161	6.161			9		9.6588		AAL94085.1  Hypothetical protein							
					19	4	26.1254	4.0000								
<b>FN2001</b>									AAL94091.1  Hypothetical protein							
						20		20.0000								
<b>FN2007</b>	-1.027	6.324	1.069e-1	2.45e-1	4	15	4.2928	20.5521	AAL94097.1  Glutathione peroxidase							
					6	5	8.2501	5.0000								
<b>FN2008</b>									AAL94098.1  Glycine betaine transport ATP-binding protein							
						19		19.0000								
<b>FN2009</b>									AAL94099.1  Glycine betaine transport system permease protein							
						8		8.0000								
<b>FN2011</b>	0.379	13.053	1.128e-1	2.655e-1	87	37	93.3680	50.6952	AAL94101.1  Valyl-tRNA synthetase							
					85	111	116.8768	111.0000								
<b>FN2013</b>									AAL94103.1  GTP-binding protein							
						5		5.0000								
<b>FN2014</b>	0.531	14.339	5.067e-3	2.571e-3	152	77	163.1258	105.5008	AAL94104.1  ATP-dependent protease La							
					133	134	182.8778	134.0000								
<b>FN2015</b>	0.061	12.857	1.945e-1	5.725e-1	73	64	78.3433	87.6890	AAL94105.1  ATP-dependent clp protease ATP-binding subunit clpX							
					71	81	97.6265	81.0000								
<b>FN2016</b>	0.540	10.256			35		37.5619		AAL94106.1  ATP-dependent Clp protease proteolytic subunit							
					34	29	46.7507	29.0000								
<b>FN2017</b>	0.549	18.938	3.72e-2	5.202e-2	711	543	763.0422	743.9859	AAL94107.1  Trigger factor, ppiase							
					692	428	951.5143	428.0000								
<b>FN2018</b>	1.108	8.570	2.515e-2	2.937e-2	29	15	31.1227	20.5521	AAL94108.1  Single-stranded-DNA-specific exonuclease recJ							
					19	6	26.1254	6.0000								
<b>FN2019</b>	-0.432	10.192			19	29	20.3907	39.7341	AAL94109.1  Ribosome-binding factor A							
					28		38.5006									
<b>FN2020</b>	0.058	15.945	1.263e-1	3.136e-1	243	190	260.7866	260.3266	AAL94110.1  Bacterial Protein Translation Initiation Factor 2 (IF-2)							
					183	232	251.6288	232.0000								

Show detected proteins only  
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 Filter by category:

Proteins found: 1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN2022	0.518	11.948	3.487e-5	1.551e-6	71	38	76.1969	52.0653	AAL94112.1  N utilization substance protein A							
					54	53	74.2511	53.0000								
FN2023	-0.526	7.510	1.771e-1	5.018e-1	12	20	12.8783	27.4028	AAL94113.1  Hypothetical cytosolic protein							
					7	5	9.6251	5.0000								
FN2030	2.142	12.663	2.631e-4	3.529e-5	150	18	160.9794	24.6625	AAL94115.1  Inorganic pyrophosphatase							
					129	52	177.3777	52.0000								
FN2031	1.255	6.164			9	4	9.6588	5.4806	AAL94116.1  Thiamine biosynthesis lipoprotein appE							
					12		16.5002									
FN2033						15		20.5521	AAL94118.1  Guanylate kinase							
FN2034	0.987	9.218	2.408e-2	2.759e-2	32	18	34.3423	24.6625	AAL94119.1  Protein yicC							
					25	10	34.3755	10.0000								
FN2035	0.036	17.698	2.41e-1	7.613e-1	418	375	448.5958	513.8024	AAL94120.1  DNA-directed RNA polymerase beta' chain							
					353	397	485.3823	397.0000								
FN2036	0.358	16.689	6.347e-2	1.131e-1	327	163	350.9350	223.3328	AAL94121.1  DNA-directed RNA polymerase beta chain							
					280	351	385.0058	351.0000								
FN2037	2.416	22.416	1.069e-3	2.693e-4	4959	1107	5321.9777	1516.7448	AAL94122.1  LSU ribosomal protein L12P (L7/L12)							
					4077	531	5605.9595	531.0000								
FN2038	1.072	16.309	2.7e-2	3.258e-2	383	216	411.0340	295.9502	AAL94123.1  LSU ribosomal protein L10P							
					302	97	415.2563	97.0000								
FN2039	0.322	16.555	3.595e-3	1.615e-3	316	214	339.1299	293.2099	AAL94124.1  LSU ribosomal protein L1P							
					258	262	354.7553	262.0000								
FN2040	2.026	13.565	5.44e-4	1.016e-4	223	57	239.3227	78.0980	AAL94125.1  LSU ribosomal protein L11P							
					149	31	204.8781	31.0000								
FN2041	-1.166	11.436	9.352e-2	1.971e-1	36	91	38.6350	124.6827	AAL94126.1  Transcription antitermination protein nusG							
					23	33	31.6255	33.0000								
FN2045						18		18.0000	AAL94129.1  Ferric uptake regulation protein							
FN2046						24		24.0000	AAL94130.1  Acetyltransferase							
FN2047	0.226	13.426	1.36e-1	3.511e-1	91	54	97.6608	73.9876	AAL94131.1  Fusobacterium outer membrane protein family							
					94	120	129.2519	120.0000								

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 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN2048	0.488	15.687			234		251.1278													
					213	194	292.8794	194.0000	AAL94132.1  Outer membrane protein											
FN2049	-1.438	17.551	5.197e-2	8.444e-2	231	753	247.9082	1031.7153												
					207	411	284.6293	411.0000	AAL94133.1  unknown											
FN2050	0.257	15.544	2.138e-1	6.518e-1	175	240	187.8093	328.8336												
					211	71	290.1294	71.0000	AAL94134.1  Hypothetical membrane-spanning protein											
FN2051	0.652	13.840	7.563e-2	1.439e-1	142	106	152.3938	145.2348												
					110	48	151.2523	48.0000	AAL94135.1  unknown											
FN2052	0.814	13.456	5.184e-2	8.412e-2	121	89	129.8567	121.9424												
					110	38	151.2523	38.0000	AAL94136.1  unknown											
FN2053	0.872	12.941	2.047e-2	2.193e-2	98	30	105.1732	41.1042												
					98	90	134.7520	90.0000	AAL94137.1  Serine/threonine sodium symporter											
FN2054	0.661	15.070	3.764e-4	5.696e-5	227	100	243.6154	137.0140												
					162	158	222.7534	158.0000	AAL94138.1  Glucose-6-phosphate isomerase											
FN2058	-1.075	17.602	7.17e-2	1.335e-1	269	683	288.6897	935.8055												
					237	359	325.8799	359.0000	AAL94142.1  Fusobacterium outer membrane protein family											
FN2059	0.488	15.687			234		251.1278													
					213	194	292.8794	194.0000	AAL94143.1  Outer membrane protein											
FN2060	-1.438	17.551	5.197e-2	8.444e-2	231	753	247.9082	1031.7153												
					207	411	284.6293	411.0000	AAL94144.1  unknown											
FN2061	0.257	15.544	2.138e-1	6.518e-1	175	240	187.8093	328.8336												
					211	71	290.1294	71.0000	AAL94145.1  Hypothetical membrane-spanning protein											
FN2062	0.652	13.840	7.563e-2	1.439e-1	142	106	152.3938	145.2348												
					110	48	151.2523	48.0000	AAL94146.1  unknown											
FN2063	0.814	13.456	5.184e-2	8.412e-2	121	89	129.8567	121.9424												
					110	38	151.2523	38.0000	AAL94147.1  unknown											
FN2067					10		10.7320													
					13		17.8753		AAL94151.1  Thiol:disulfide interchange protein tlpA											
FN2068	-2.271	6.475			4	12	4.2928	16.4417												
							25	25.0000	AAL94152.1  dGTP triphosphohydrolase											
FN2070	-1.358	5.561			4		4.2928													
						11	11.0000		AAL94154.1  Cobyric acid synthase											

Show detected proteins only  
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 Filter by category:

Proteins found:  
1305

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 FnPg				Raw		Normalized		Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN2073	-1.325	8.288	8.984e-2	1.853e-1	8	8	8.5856	10.9611	AAL94157.1  Adenine phosphoribosyltransferase							
					10	45	13.7502	45.0000								
FN2074	0.874	4.044							AAL94158.1  BslIM							
					4	3	5.5001	3.0000								
FN2075	0.620	9.329	3.111e-2	4.011e-2	24	16	25.7567	21.9222	AAL94159.1  Hypothetical protein							
					27	19	37.1256	19.0000								
FN2076									AAL94160.1  MunI regulatory protein							
					3		4.1251									
FN2078									AAL94162.1  Transcriptional regulator, DeoR family							
							3	3.0000								
FN2082	-0.060	20.845	2.705e-1	8.89e-1	1557	599	1670.9658	820.7138	AAL94166.1  Formate--tetrahydrofolate ligase							
					740	1981	1017.5153	1981.0000								
FN2093	0.035	9.642	2.836e-1	9.489e-1	20	32	21.4639	43.8445	AAL94177.1  General secretion pathway protein G							
					26	12	35.7505	12.0000								
FN2098	-1.026	4.400			3	3	3.2196	4.1104	AAL94182.1  MRP-family nucleotide-binding protein							
							9	9.0000								
FN2100	0.521	10.477	2.095e-2	2.267e-2	42	19	45.0742	26.0327	AAL94184.1  Hypothetical protein							
					33	37	45.3757	37.0000								
FN2102	-0.784	7.298	7.281e-2	1.364e-1	5	16	5.3660	21.9222	AAL94186.1  ABC transporter ATP-binding protein							
					10	11	13.7502	11.0000								
FN2103	0.230	19.069	1.024e-1	2.28e-1	788	598	845.6783	819.3436	AAL94187.1  tricarboxylate-binding protein							
					553	550	760.3865	550.0000								
FN2105	0.851	6.466			12		12.8783		AAL94189.1  tricarboxylate transport membrane protein RctA							
					9	7	12.3752	7.0000								
FN2106	-0.814	14.771	1.085e-1	2.51e-1	112	247	120.1979	338.4245	AAL94190.1  Transporter							
					96	105	132.0020	105.0000								
FN2107	0.891	10.878	5.318e-2	8.754e-2	55	37	59.0258	50.6952	AAL94191.1  Galactokinase							
					43	13	59.1259	13.0000								
FN2108	0.547	9.658	7.714e-3	4.98e-3	32	19	34.3423	26.0327	AAL94192.1  Galactose-1-phosphate uridylyltransferase							
					25	21	34.3755	21.0000								
FN2109	-0.171	12.235	1.342e-1	3.441e-1	63	63	67.6113	86.3188	AAL94193.1  UDP-glucose 4-epimerase							
					46	61	63.2510	61.0000								

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1305

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 FnPg				Raw				Normalized				Description	Log <sub>2</sub> Ratios						
	Log <sub>2</sub> Ratio	Log <sub>2</sub> Sum	q-Value	p-Value	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg	FnPgSg	FnPg		-6	-4	-2	0	2	4	6
FN2116	-2.030	7.258			5		5.3660		AAL94200.1  Hypothetical exported 24-amino acid repeat protein											
					5	25	6.8751	25.0000												
FN2117									AAL94201.1  Hypothetical exported 24-amino acid repeat protein											
						6		6.0000												
FN2118	1.444	7.059			15		16.0979		AAL94202.1  Hypothetical exported 24-amino acid repeat protein											
					16	7	22.0003	7.0000												
FN2119	-0.996	9.500			15		16.0979		AAL94203.1  Hypothetical exported 24-amino acid repeat protein											
					16	38	22.0003	38.0000												
FN2121	0.317	12.713	2.038e-1	6.13e-1	91	94	97.6608	128.7931	AAL94205.1  Hypothetical exported 24-amino acid repeat protein											
					62	18	85.2513	18.0000												
FN2122	-0.487	16.941	3.608e-2	4.988e-2	297	356	318.7391	487.7698	AAL94206.1  Phenylalanyl-tRNA synthetase beta chain											
					204	352	280.5042	352.0000												
FN2123	-0.606	12.629	1.18e-1	2.833e-1	60	39	64.3917	53.4355	AAL94207.1  Phenylalanyl-tRNA synthetase alpha chain											
					47	143	64.6260	143.0000												
FN2125	-0.458	12.308	1.447e-1	3.824e-1	53	89	56.8794	121.9424	AAL94209.1  DNA gyrase subunit A											
					47	45	64.6260	45.0000												
FN2126	1.530	11.374	1.21e-4	1.281e-5	85	26	91.2216	35.6236	AAL94210.1  DNA gyrase subunit B											
					61	25	83.8763	25.0000												

- Show detected proteins only
- Show all proteins

Proteins found: 1305

Filter by category:

GO: amino acid transport

Enter (or paste) list of ORFs

Find ORFs

Test

q-Value

p-Value

Cutoff

.005

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

Dot Plots Dot Plots