

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0001	0.140	7.675	3.783e-1	7.944e-1	15	10	21.9089	13.0162	AAL94214.1 Chromosomal replication initiator protein dnaA							
					5	17	5.3301	17.0000								
FN0004	-0.430	10.984				35		45.5566	AAL94217.1 Inner membrane protein							
					49	32	52.2349	32.0000								
FN0005	0.807	8.020	9.688e-2	8.044e-2	5	12	7.3030	15.6194	AAL94218.1 Jag protein							
					16	27	17.0563	27.0000								
FN0006	0.389	9.358				22		28.6356	AAL94219.1 Thiophene and furan oxidation protein THDF							
					21	30	22.3864	30.0000								
FN0007	0.497	7.357	1.598e-1	2.137e-1	6	8	8.7636	10.4129	AAL94220.1 Glucose inhibited division protein A							
					12	20	12.7922	20.0000								
FN0008	-0.559	7.026				6		7.8097	AAL94221.1 Quinolinate synthetase A							
					13	11	13.8583	11.0000								
FN0009	-0.306	9.594							AAL94222.1 L-aspartate oxidase							
					29	25	30.9146	25.0000								
FN0017						4		5.2065	AAL94230.1 Hypothetical protein							
						7		7.0000								
FN0018	-0.018	9.214				18		23.4291	AAL94231.1 Hypothetical protein							
					23	25	24.5184	25.0000								
FN0019						6		7.8097	AAL94232.1 Transcription-repair coupling factor							
						4		4.0000								
FN0022	-2.975	10.310	1.469e-1	1.814e-1	128	8	186.9562	10.4129	AAL94235.1 Hypothetical protein							
					12	15	12.7922	15.0000								
FN0023	0.355	7.459							AAL94236.1 Short-chain fatty acids transporter							
					11	15	11.7262	15.0000								
FN0024	0.113	8.227				6		8.7636	AAL94237.1 Hypothetical exported 24-amino acid repeat protein							
					23	18	24.5184	18.0000								
FN0025	0.100	5.900							AAL94238.1 Hypothetical exported 24-amino acid repeat protein							
					7	8	7.4621	8.0000								
FN0030	-0.171	13.696	2.765e-1	4.991e-1	63	90	92.0175	117.1455	AAL94243.1 5-nitroimidazole antibiotic resistance protein							
					143	100	152.4408	100.0000								
FN0031	-0.287	9.576	1.584e-1	2.104e-1	25	20	36.5149	26.0323	AAL94244.1 unknown							
					23	24	24.5184	24.0000								

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Proteins found: 1313

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

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Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
								-6		-4	-2	0	2	4	6	
FN0033	0.147	12.444	3.222e-1	6.206e-1	65	60	94.9387	78.0970	AAL94246.1 unknown							
					44	79	46.9048	79.0000								
FN0034	-0.732	9.168	1.017e-1	8.763e-2	27	14	39.4361	18.2226	AAL94247.1 unknown							
					21	19	22.3864	19.0000								
FN0038					77		112.4659		AAL94251.1 unknown							
FN0039	0.489	7.593				13		16.9210	AAL94252.1 DNA primase (bacterial type) and small primase-like proteins							
					11	16	11.7262	16.0000								
FN0040	0.402	18.632	2.871e-2	8.462e-3	341	549	498.0631	714.5875	AAL94253.1 Asparaginyl-tRNA synthetase							
					573	751	610.8290	751.0000								
FN0041									AAL94254.1 unknown							
					7		7.4621									
FN0043									AAL94256.1 Hypothetical exported 24-amino acid repeat protein							
					8		8.5282									
FN0045									AAL94258.1 Shikimate 5-dehydrogenase							
						7		7.0000								
FN0046					5		7.3030		AAL94259.1 3-dehydroquinate dehydratase							
FN0047	0.064	11.902	3.588e-1	7.305e-1	50	48	73.0298	62.4776	AAL94260.1 Exodeoxyribonuclease III							
					45	64	47.9709	64.0000								
FN0048	0.902	8.370	7.266e-3	1.077e-3	8	19	11.6848	24.7307	AAL94261.1 4-nitrophenylphosphatase							
					14	25	14.9243	25.0000								
FN0049	1.366	10.425	1.414e-2	2.841e-3	9	40	13.1454	52.0647	AAL94262.1 Hypothetical protein							
					31	67	33.0466	67.0000								
FN0050	-0.820	16.299	8.04e-2	5.463e-2	194	151	283.3555	196.5441	AAL94263.1 Fumarate reductase flavoprotein subunit							
					442	231	471.1805	231.0000								
FN0052					12		17.5271		AAL94265.1 Arsenate reductase							
FN0054	0.352	14.314	1.918e-1	2.926e-1	54	124	78.8722	161.4005	AAL94267.1 Tyrosyl-tRNA synthetase							
					163	161	173.7611	161.0000								
FN0058	0.454	15.651	2.212e-1	3.627e-1	153	116	223.4711	150.9875	AAL94271.1 Cysteine desulphydrase							
					154	380	164.1670	380.0000								

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Test Cutoff

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

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0059	0.914	10.203	1.057e-1	9.419e-2	16	24	23.3695	31.2388	AAL94272.1 NifU protein							
					25	63	26.6505	63.0000								
FN0060	-0.596	6.211			5		7.3030		AAL94273.1 D-alanyl-D-alanine carboxypeptidase							
					13	7	13.8583	7.0000								
FN0061	-0.086	12.974	4.062e-1	8.929e-1	20	60	29.2119	78.0970	AAL94274.1 Thermostable carboxypeptidase 1							
					146	96	155.6388	96.0000								
FN0062									AAL94275.1 Hypothetical cytosolic protein							
					6		6.3961									
FN0063									AAL94276.1 unknown							
						24		24.0000								
FN0065	0.372	12.985	1.016e-1	8.749e-2	50	66	73.0298	85.9067	AAL94278.1 Transcription accessory protein (S1 RNA binding domain)							
					80	119	85.2815	119.0000								
FN0066									AAL94279.1 Two component system histidine kinase							
						5		5.0000								
FN0067	-0.288	16.080	1.432e-1	1.712e-1	234	180	341.7793	234.2910	AAL94280.1 Isoleucyl-tRNA synthetase							
					225	242	239.8543	242.0000								
FN0069	-0.392	15.467	1.169e-1	1.137e-1	198	161	289.1979	209.5603	AAL94282.1 Glycyl-tRNA synthetase alpha chain							
					186	162	198.2796	162.0000								
FN0070	0.368	17.790	7.383e-2	4.585e-2	241	432	352.0035	562.2984	AAL94283.1 Glycyl-tRNA synthetase beta chain							
					456	519	486.1048	519.0000								
FN0071	0.095	6.280				7		9.1113	AAL94284.1 GTP cyclohydrolase I							
					8		8.5282									
FN0072	0.461	13.747	1.498e-1	1.899e-1	42	100	61.3450	130.1617	AAL94285.1 2-amino-4-hydroxy-6-hydroxymethylidihydropteridine pyrophosphokinase							
					130	145	138.5825	145.0000								
FN0073	0.174	9.665	3.632e-1	7.446e-1	9	15	13.1454	19.5242	AAL94286.1 Dihydropteroate synthase							
					38	41	40.5087	41.0000								
FN0074	0.038	8.222				10		13.0162	AAL94287.1 Ethanolamine utilization protein eutS							
					16	22	17.0563	22.0000								
FN0076									AAL94289.1 Ethanolamine two-component response regulator							
					4		4.2641									
FN0077	2.023	5.378							AAL94290.1 Ethanolamine two-component sensor kinase							
					3	13	3.1981	13.0000								

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

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Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
										-6	-4	-2	0	2	4	6			
FN0078	-0.445	9.457	4.438e-2	1.819e-2	19	18	27.7513	23.4291	AAL94291.1 Ethanolamine utilization protein eutA										
					32	22	34.1126	22.0000											
FN0079	0.165	15.228	3.665e-1	7.552e-1	49	169	71.5692	219.9732	AAL94292.1 Ethanolamine ammonia-lyase heavy chain										
					280	195	298.4854	195.0000											
FN0080	-0.723	14.987	3.075e-3	2.684e-4	163	118	238.0771	153.5908	AAL94293.1 Ethanolamine ammonia-lyase light chain										
					211	127	224.9301	127.0000											
FN0081	0.308	15.898	2.664e-1	4.741e-1	80	172	116.8476	223.8780	AAL94294.1 Ethanolamine utilization protein eutL										
					307	326	327.2679	326.0000											
FN0082	0.287	10.285				20		26.0323	AAL94295.1 Ethanolamine utilization protein eutM										
					30	52	31.9806	52.0000											
FN0083	-0.436	16.359	2.349e-1	3.977e-1	126	164	184.0350	213.4651	AAL94296.1 Ethanolamine utilization protein eutM precursor										
					460	285	490.3689	285.0000											
FN0084	-0.329	10.846	8.358e-2	5.918e-2	33	25	48.1997	32.5404	AAL94297.1 Acetaldehyde dehydrogenase (acetylating)										
					45	44	47.9709	44.0000											
FN0086					7			10.2242	AAL94299.1 Hypothetical protein										
FN0087	-1.925	6.569			13			18.9877	AAL94300.1 Ethanolamine utilization protein eutN										
						5		5.0000											
FN0088									AAL94301.1 Hypothetical protein										
						9		9.0000											
FN0090	-0.576	6.001	1.706e-1	2.397e-1	9	7	13.1454	9.1113	AAL94303.1 Ethanolamine utilization protein eutQ										
					6	4	6.3961	4.0000											
FN0091					6			8.7636	AAL94304.1 Phosphoserine phosphatase										
FN0092	0.338	11.695	2.975e-1	5.529e-1	11	48	16.0666	62.4776	AAL94305.1 NADPH-dependent butanol dehydrogenase										
					81	67	86.3476	67.0000											
FN0093	-1.072	14.361	1.411e-3	6.286e-5	153	83	223.4711	108.0342	AAL94306.1 Thioredoxin										
					185	92	197.2136	92.0000											
FN0100	-0.214	7.693	1.124e-1	1.056e-1	11	9	16.0666	11.7145	AAL94309.1 Flavodoxins/hemoproteins										
					14	15	14.9243	15.0000											
FN0106	-0.403	14.014	2.89e-2	8.559e-3	93	82	135.8354	106.7326	AAL94315.1 Hypothetical protein										
					150	117	159.9029	117.0000											

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yes	+	p-, q-Values
yes	-	

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Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN0108	-0.124	9.619	2.944e-1	5.448e-1	16	19	23.3695	24.7307	AAL94317.1 Microcin C7 self-immunity protein mccF							
					33	29	35.1786	29.0000								
FN0110	-0.357	17.720	1.514e-1	1.94e-1	442	303	645.5832	394.3898	AAL94319.1 Seryl-tRNA synthetase							
					381	427	406.1533	427.0000								
FN0111									AAL94320.1 unknown							
					5		5.3301									
FN0113	1.001	13.526	1.855e-3	1.012e-4	46	114	67.1874	148.3843	AAL94322.1 Heat-inducible transcription repressor hrcA							
					81	159	86.3476	159.0000								
FN0114	0.123	13.893	3.326e-1	6.506e-1	83	71	121.2294	92.4148	AAL94323.1 GrpE protein							
					108	165	115.1301	165.0000								
FN0116	0.517	21.255	1.923e-1	2.94e-1	604	902	882.1997	1174.0581	AAL94325.1 Chaperone protein dnaK							
					1653	2611	1762.1299	2611.0000								
FN0117	0.593	8.392				10		13.0162	AAL94326.1 O6-methylguanine-DNA methyltransferase							
					14	32	14.9243	32.0000								
FN0118	0.540	11.886	3.846e-2	1.406e-2	29	51	42.3573	66.3824	AAL94327.1 Chaperone protein dnaJ							
					56	82	59.6971	82.0000								
FN0119	0.245	11.539				29		37.7469	AAL94328.1 Flavodoxin							
					47	81	50.1029	81.0000								
FN0123	0.474	5.303				6		7.8097	AAL94332.1 ATPase							
					5	7	5.3301	7.0000								
FN0127	0.209	5.302			4	5	5.8424	6.5081	AAL94333.1 Fe-S oxidoreductase							
						7		7.0000								
FN0128	-0.006	8.274	4.311e-1	9.893e-1	11	7	16.0666	9.1113	AAL94334.1 Spermidine/putrescine-binding protein							
					18	26	19.1883	26.0000								
FN0130	1.094	7.279				8		10.4129	AAL94336.1 ABC transporter ATP-binding protein							
					8	26	8.5282	26.0000								
FN0132	-0.105	5.275			3		4.3818		AAL93916.1 Hemolysin							
					8	6	8.5282	6.0000								
FN0147	0.313	9.694	1.912e-1	2.911e-1	12	27	17.5271	35.1436	AAL94353.1 PLSX protein							
					32	29	34.1126	29.0000								
FN0148	-0.026	16.008	4.133e-1	9.196e-1	159	248	232.2347	322.8009	AAL94354.1 3-oxoacyl-[acyl-carrier-protein] synthase III							
					268	186	285.6932	186.0000								

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Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios			
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description	-6	-4	-2	0	2	4	6
	FN0149	-1.021	14.867	7.968e-2	5.358e-2	219	115	319.8704	149.6859	AAL94355.1 Malonyl-CoA-[acyl-carrier-protein] transacylase						
					162	93	172.6951	93.0000								
FN0150	-0.325	10.769	6.703e-2	3.818e-2	29	32	42.3573	41.6517	AAL94356.1 Acyl carrier protein							
					48	33	51.1689	33.0000								
FN0151	0.132	18.786	3.797e-1	7.991e-1	205	389	299.4221	506.3288	AAL94357.1 3-oxoacyl-[acyl-carrier-protein] synthase							
					924	901	985.0018	901.0000								
FN0152	-0.092	6.092							AAL94358.1 Ribonuclease III							
					8	8	8.5282	8.0000								
FN0153									AAL94359.1 Oxygen-independent coproporphyrinogen III oxidase							
								13	13.0000							
FN0155									AAL94361.1 Hypothetical protein							
								5	5.0000							
FN0156	0.301	7.335	3.425e-1	6.801e-1	4	4	5.8424	5.2065	AAL94362.1 Phosphopantetheine adenylyltransferase							
					16	23	17.0563	23.0000								
FN0157									AAL94363.1 DNA repair protein RadA							
								6	7.8097							
								7	7.0000							
FN0158	1.153	10.013	6.506e-3	8.764e-4	12	36	17.5271	46.8582	AAL94364.1 DNA-binding protein							
					24	49	25.5845	49.0000								
FN0161									AAL94367.1 RNA-directed DNA polymerase							
								3	3.0000							
FN0164	0.530	15.804	1.25e-1	1.294e-1	155	278	226.3923	361.8494	AAL94370.1 Anhydro-N-acetylmuramyl-tripeptide amidase							
					161	213	171.6291	213.0000								
FN0170	0.594	14.620	9.347e-2	7.553e-2	63	179	92.0175	232.9894	AAL94376.1 GTP-binding protein							
					156	157	166.2990	157.0000								
FN0173	0.796	11.007	1.436e-1	1.723e-1	7	55	10.2242	71.5889	AAL94379.1 Hypothetical protein							
					55	48	58.6311	48.0000								
FN0174	0.030	12.799	1.465e-1	1.801e-1	56	65	81.7933	84.6051	AAL94380.1 Enoyl-[acyl-carrier-protein] reductase							
					80	86	85.2815	86.0000								
FN0175	1.054	9.211	6.296e-3	8.271e-4	10	27	14.6060	35.1436	AAL94381.1 Cell division inhibitor MinC							
					18	35	19.1883	35.0000								
FN0176	0.638	16.129	3.194e-3	2.913e-4	134	272	195.7198	354.0397	AAL94382.1 Cell division inhibitor MinD							
					219	314	233.4582	314.0000								

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	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN0177					3		4.3818		AAL94383.1 Cell division inhibitor MinE							
FN0178	-0.296	10.637	1.257e-1	1.31e-1	35	30	51.1208	39.0485	AAL94384.1 UNC-44 ankyrins							
					35	33	37.3107	33.0000								
FN0179	-1.460	11.266	1.493e-1	1.882e-1	93	16	135.8354	20.8259	AAL94385.1 Ankyrin repeat proteins							
					27	39	28.7825	39.0000								
FN0180								5.2065	AAL94386.1 Tetratricopeptide repeat family protein							
								6.0000								
FN0181	0.168	10.072	3.454e-1	6.89e-1	11	25	16.0666	32.5404	AAL94387.1 Hypothetical protein							
					43	37	45.8388	37.0000								
FN0182	1.358	17.164	6.972e-2	4.109e-2	35	474	51.1208	616.9663	AAL94388.1 Sarcosine oxidase alpha subunit							
					401	610	427.4737	610.0000								
FN0183	0.853	16.220	1.397e-1	1.623e-1	34	274	49.6602	356.6429	AAL94389.1 Glycerol-3-phosphate dehydrogenase							
					339	386	361.3805	386.0000								
FN0185	0.274	8.408	8.045e-3	1.272e-3	12	15	17.5271	19.5242	AAL94391.1 Hypothetical protein							
					15	21	15.9903	21.0000								
FN0189	-0.627	8.202				12		15.6194	AAL94395.1 Two-component response regulator yesN							
					20	12	21.3204	12.0000								
FN0190	0.175	5.336	3.371e-1	6.64e-1	6	5	8.7636	6.5081	AAL94396.1 Two-component sensor kinase yesM							
					3	7	3.1981	7.0000								
FN0191	0.470	10.009	1.254e-1	1.304e-1	14	35	20.4483	45.5566	AAL94397.1 helix-turn-helix DNA-binding protein							
					32	30	34.1126	30.0000								
FN0192	0.331	8.516				13		16.9210	AAL94398.1 Dipeptide-binding protein							
					16	26	17.0563	26.0000								
FN0197								5.0000	AAL94403.1 Methyltransferase							
FN0199	0.187	12.073	9.129e-2	7.165e-2	39	50	56.9632	65.0808	AAL94405.1 Hypothetical protein							
					62	75	66.0932	75.0000								
FN0200	-0.797	18.638	2.076e-1	3.302e-1	942	385	1375.8810	501.1224	AAL94406.1 Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase							
					289	468	308.0796	468.0000								
FN0202	-0.376	19.031	1.858e-2	4.165e-3	585	454	854.4484	590.9339	AAL94408.1 Glutaconate CoA-transferase subunit A							
					763	694	813.3727	694.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN0203	-0.666	20.747	6.635e-2	3.747e-2	1361	730	1987.8705	950.1801	AAL94409.1	Glutaconate CoA-transferase subunit B										
					1270	1156	1353.8445	1156.0000												
FN0204	0.181	21.199	1.987e-1	3.098e-1	833	1129	1216.6760	1469.5251	AAL94410.1	Glutaconyl-CoA decarboxylase A subunit										
					1593	1835	1698.1687	1835.0000												
FN0206	-0.719	11.587	1.542e-1	2.005e-1	69	38	100.7811	49.4614	AAL94412.1	Activator of (R)-2-hydroxyglutaryl-CoA dehydratase										
					39	37	41.5748	37.0000												
FN0207	-0.238	18.659	2.657e-1	4.725e-1	632	444	923.0963	577.9178	AAL94413.1	(R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit										
					445	607	474.3786	607.0000												
FN0208	-0.277	17.287	5.334e-2	2.581e-2	280	254	408.9667	330.6106	AAL94414.1	(R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit										
					442	396	471.1805	396.0000												
FN0209	-0.218	17.566	1.837e-1	2.717e-1	339	248	495.1419	322.8009	AAL94415.1	Hypothetical cytosolic protein										
					427	494	455.1902	494.0000												
FN0212	-0.484	8.841	1.657e-1	2.279e-1	23	14	33.5937	18.2226	AAL94418.1	Hypothetical protein										
					16	18	17.0563	18.0000												
FN0214					3		4.3818		AAL94420.1	Crossover junction endodeoxyribonuclease ruvC										
FN0218	-1.480	13.829	4.689e-2	2.01e-2	173	48	252.6830	62.4776	AAL94424.1	Anthranilate synthase component II										
					141	82	150.3087	82.0000												
FN0219	1.130	6.485							AAL94425.1	Autolysin response regulator										
					6	14	6.3961	14.0000												
FN0221	-0.801	11.066	1.214e-2	2.271e-3	45	27	65.7268	35.1436	AAL94427.1	Carbon starvation protein A										
					53	35	56.4990	35.0000												
FN0224	-0.500	7.766	1.859e-1	2.773e-1	16	6	23.3695	7.8097	AAL94430.1	Excinuclease ABC subunit B										
					11	17	11.7262	17.0000												
FN0225	-0.507	3.677							AAL94431.1	Gluconate permease										
					4	3	4.2641	3.0000												
FN0226	-0.776	11.303	3.264e-3	3.059e-4	47	26	68.6480	33.8420	AAL94432.1	Pyridoxal phosphate biosynthetic protein pdxA										
					59	43	62.8951	43.0000												
FN0227	0.230	4.414							AAL94433.1	Hypothetical protein										
					4	5	4.2641	5.0000												
FN0233	-0.557	11.929	1.174e-1	1.145e-1	65	43	94.9387	55.9695	AAL94439.1	Hypothetical protein										
					53	47	56.4990	47.0000												

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN0234	0.272	7.375				11		14.3178	AAL94440.1 unknown							
					11	14	11.7262	14.0000								
FN0235					16		23.3695		AAL94441.1 ABC transporter ATP-binding protein							
FN0236	-1.954	15.340	1.515e-1	1.943e-1	486	76	709.8494	98.9229	AAL94442.1 ABC transporter substrate-binding protein							
					86	108	91.6777	108.0000								
FN0237					3		4.3818		AAL94443.1 ABC transporter permease protein							
FN0238	-0.897	10.134	8.445e-2	6.049e-2	40	17	58.4238	22.1275	AAL94444.1 Hypothetical protein							
					31	27	33.0466	27.0000								
FN0240	-0.719	12.523	2.403e-2	6.248e-3	64	55	93.4781	71.5889	AAL94446.1 Thymidylate synthase							
					97	48	103.4039	48.0000								
FN0241	0.229	9.879	2.275e-1	3.785e-1	14	28	20.4483	36.4453	AAL94447.1 Dihydrofolate reductase							
					34	30	36.2447	30.0000								
FN0242	0.947	13.131				116		150.9875	AAL94448.1 Trk system potassium uptake protein trkA							
					64	112	68.2252	112.0000								
FN0243	0.276	9.862				17		22.1275	AAL94449.1 Poly(A) polymerase							
					26	45	27.7165	45.0000								
FN0244	-0.449	6.379				6		7.8097	AAL94450.1 COP associated protein							
					10		10.6602									
FN0245	0.592	6.777				9		11.7145	AAL94451.1 Copper-exporting ATPase							
					8	14	8.5282	14.0000								
FN0247	0.819	14.365	8.486e-2	6.112e-2	41	149	59.8844	193.9409	AAL94453.1 Hypothetical cytosolic protein							
					149	192	158.8369	192.0000								
FN0248	0.180	11.149				28		36.4453	AAL94454.1 Hypothetical Exported Protein							
					42	65	44.7728	65.0000								
FN0249	-0.190	12.637	3.647e-1	7.496e-1	89	81	129.9930	105.4309	AAL94455.1 unknown							
					38	44	40.5087	44.0000								
FN0250	-0.406	12.967	2.74e-1	4.926e-1	106	81	154.8231	105.4309	AAL94456.1 unknown							
					48	50	51.1689	50.0000								
FN0251	-2.135	13.336	1.251e-1	1.297e-1	240	40	350.5429	52.0647	AAL94457.1 Hypothetical membrane-spanning Protein							
					71	45	75.6874	45.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

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

Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios							
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6	
FN0252	-0.525	18.648	1.974e-1	3.071e-1	753	430	1099.8284	559.6951													
					411	509	438.1339	509.0000													
FN0253	0.792	16.177				180		234.2910													
					194	482	206.8077	482.0000													
FN0254	-0.171	18.364	2.091e-1	3.337e-1	352	444	514.1296	577.9178													
					674	517	718.4970	517.0000													
FN0258	-0.115	5.730			6		8.7636														
					6	7	6.3961	7.0000													
FN0261	-0.588	7.675			12	11	17.5271	14.3178													
						9		9.0000													
FN0262	-0.511	20.865	2.411e-1	4.134e-1	1745	878	2548.7391	1142.8193													
					704	1173	750.4776	1173.0000													
FN0263	-1.480	15.329	1.508e-1	1.925e-1	386	106	563.7899	137.9714													
					107	105	114.0641	105.0000													
FN0264	-0.049	15.420	4.096e-1	9.058e-1	96	211	140.2172	274.6411													
					268	137	285.6932	137.0000													
FN0265	-0.455	6.649				7		9.1113													
					11	8	11.7262	8.0000													
FN0266																					
					8		8.5282														
FN0267	0.323	5.677																			
					6	8	6.3961	8.0000													
FN0268	0.386	8.398			11		16.0666														
						21		21.0000													
FN0270						4		5.2065													
						5		5.0000													
FN0271	-0.690	7.110				5		6.5081													
					14	12	14.9243	12.0000													
FN0272	1.301	5.486				10		13.0162													
					4	8	4.2641	8.0000													
FN0273	-1.074	7.111				4		5.2065													
					16	11	17.0563	11.0000													

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0276	0.609	11.134				50		65.0808	AAL94482.1 Sodium-dependent phosphate transporter							
					36	52	38.3767	52.0000								
FN0277	-0.190	7.083	2.604e-1	4.596e-1	9	6	13.1454	7.8097	AAL94483.1 Hypothetical protein							
					11	14	11.7262	14.0000								
FN0278	-0.464	15.828	2.93e-2	8.761e-3	209	158	305.2645	205.6554	AAL94484.1 Xaa-His dipeptidase							
					245	205	261.1747	205.0000								
FN0279	0.615	14.873	1.932e-1	2.964e-1	26	175	37.9755	227.7829	AAL94485.1 Lipoprotein							
					227	201	241.9864	201.0000								
FN0280	0.199	12.759	3.492e-1	7.006e-1	21	71	30.6725	92.4148	AAL94486.1 Hypothetical protein							
					117	86	124.7243	86.0000								
FN0281	1.332	12.939	2.707e-2	7.662e-3	21	87	30.6725	113.2406	AAL94487.1 DNA polymerase III alpha subunit							
					76	168	81.0175	168.0000								
FN0282	0.154	11.290	2.31e-1	3.874e-1	27	45	39.4361	58.5727	AAL94488.1 Hypothetical protein							
					52	47	55.4330	47.0000								
FN0283	-0.244	6.584							AAL94489.1 tRNA (Guanine-N1) - methyltransferase							
					10	9	10.6602	9.0000								
FN0284	-0.125	11.460							AAL94490.1 16S rRNA processing protein rimM							
					52	60	55.4330	60.0000								
FN0285									AAL94491.1 RNA binding protein							
					27			28.7825								
FN0287	-0.507	7.079							AAL94493.1 Dimethyladenosine transferase							
					13	13	13.8583	13.0000								
FN0288	-0.132	11.731	3.674e-1	7.582e-1	23	41	33.5937	53.3663	AAL94494.1 Hypoxanthine-guanine phosphoribosyltransferase							
					83	58	88.4796	58.0000								
FN0291	-1.092	5.736							AAL94497.1 Hemolysin							
					10	5	10.6602	5.0000								
FN0294	-1.095	13.579	4.651e-2	1.98e-2	136	71	198.6410	92.4148	AAL94500.1 Transketolase subunit A							
					117	59	124.7243	59.0000								
FN0295	-0.929	14.223	9.08e-2	7.081e-2	170	71	248.3012	92.4148	AAL94501.1 Transketolase							
					125	108	133.2524	108.0000								
FN0296	-0.120	11.682	3.291e-1	6.404e-1	30	43	43.8179	55.9695	AAL94502.1 Hypothetical cytosolic protein							
					71	54	75.6874	54.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN0297	0.890	8.674	8.369e-2	5.936e-2	5	20	7.3030	26.0323	AAL94503.1 ATPase associated with chromosome architecture/replication							
					21	29	22.3864	29.0000								
FN0298	0.068	16.301	4.025e-1	8.796e-1	94	225	137.2960	292.8637	AAL94504.1 Histidyl-tRNA synthetase							
					392	289	417.8796	289.0000								
FN0299	0.263	15.873	2.449e-1	4.227e-1	96	198	140.2172	257.7201	AAL94505.1 Aspartyl-tRNA synthetase							
					288	279	307.0136	279.0000								
FN0308	0.763	17.256	1.419e-3	6.376e-5	191	417	278.9737	542.7741	AAL94514.1 Iron(III)-binding protein							
					308	488	328.3339	488.0000								
FN0310	-0.860	12.155	1.081e-1	9.826e-2	83	44	121.2294	57.2711	AAL94516.1 Iron(III)-transport ATP-binding protein sfuC							
					57	43	60.7631	43.0000								
FN0311	1.210	13.477	2.582e-2	7.09e-3	29	132	42.3573	171.8134	AAL94517.1 Anaerobic ribonucleoside-triphosphate reductase							
					92	153	98.0738	153.0000								
FN0313	0.816	8.615				25		32.5404	AAL94519.1 16S rRNA m(5)C 967 methyltransferase							
					14	20	14.9243	20.0000								
FN0314	0.280	6.465				9		11.7145	AAL94520.1 Caffeoyl-CoA O-methyltransferase							
					8	9	8.5282	9.0000								
FN0315	-0.369	6.459				5		6.5081	AAL94521.1 Transcriptional regulator, AraC family							
					10	10	10.6602	10.0000								
FN0316	-1.304	7.964			17	7	24.8301	9.1113	AAL94522.1 Hypothetical protein							
						11		11.0000								
FN0317	0.956	9.605	7.221e-2	4.392e-2	7	29	10.2242	37.7469	AAL94523.1 Tryptophan synthase beta chain							
					28	40	29.8485	40.0000								
FN0319	0.357	6.156				7		9.1113	AAL94525.1 Citrate (pro-3S)-lyase ligase							
					7	10	7.4621	10.0000								
FN0320	-1.219	8.306	9.754e-3	1.653e-3	16	11	23.3695	14.3178	AAL94526.1 Hypothetical cytosolic protein							
					29	9	30.9146	9.0000								
FN0321	0.621	14.969	8.387e-2	5.963e-2	70	140	102.2417	182.2263	AAL94527.1 Heat shock protein htpG							
					175	262	186.5534	262.0000								
FN0322	0.160	21.915	2.94e-1	5.436e-1	934	1816	1364.1962	2363.7357	AAL94528.1 Fructose-bisphosphate aldolase							
					2250	1839	2398.5434	1839.0000								
FN0325	-0.132	4.132			3		4.3818		AAL94529.1 LSU ribosomal protein L20P							
						4		4.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0327	0.255	9.487				15		19.5242												
					23	39	24.5184	39.0000												
FN0329	-0.590	17.490	1.37e-1	1.557e-1	472	243	689.4011	316.2928												
					341	383	363.5126	383.0000												
FN0330	-0.705	10.639	1.334e-1	1.474e-1	45	35	65.7268	45.5566												
					34	17	36.2447	17.0000												
FN0331	0.878	11.193	1.185e-1	1.166e-1	8	57	11.6848	74.1921												
					56	57	59.6971	57.0000												
FN0332	0.740	6.539				13		16.9210												
					7	8	7.4621	8.0000												
FN0333	-0.137	6.047				5		6.5081												
					8	9	8.5282	9.0000												
FN0334	0.788	15.023	3.433e-2	1.159e-2	69	168	100.7811	218.6716												
					166	261	176.9592	261.0000												
FN0335	1.121	20.996	2.564e-2	7.002e-3	932	1798	1361.2750	2340.3066												
					563	1925	600.1689	1925.0000												
FN0336	0.303	10.396				35		45.5566												
					31	36	33.0466	36.0000												
FN0341	-2.181	8.648				6		7.8097												
					40	11	42.6408	11.0000												
FN0342	-0.612	10.071	1.795e-1	2.61e-1	38	30	55.5026	39.0485												
					24	14	25.5845	14.0000												
FN0344																				
						3		3.0000												
FN0347	0.519	11.693	1.886e-1	2.841e-1	14	49	20.4483	63.7792												
					71	74	75.6874	74.0000												
FN0348	0.069	15.922	3.841e-1	8.143e-1	120	233	175.2715	303.2767												
					292	207	311.2776	207.0000												
FN0349	0.720	9.762	9.009e-2	6.962e-2	11	22	16.0666	28.6356												
					28	47	29.8485	47.0000												
FN0351	-1.971	11.839	1.408e-1	1.652e-1	140	27	204.4834	35.1436												
					33	26	35.1786	26.0000												

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0352	-0.330	11.164	2.681e-1	4.782e-1	21	38	30.6725	49.4614	AAL94556.1 NA+/H+ antiporter NHAC							
					72	36	76.7534	36.0000								
FN0355	0.172	15.270	2.916e-1	5.374e-1	93	189	135.8354	246.0055	AAL94558.1 S-adenosylmethionine synthetase							
					224	176	238.7883	176.0000								
FN0356	-1.566	7.942			26	7	37.9755	9.1113	AAL94559.1 Lactoylglutathione lyase							
					15		15.9903									
FN0357	-0.124	7.331	3.745e-1	7.816e-1	5	11	7.3030	14.3178	AAL94560.1 ATP synthase epsilon chain, sodium ion specific							
					18	10	19.1883	10.0000								
FN0358	0.581	17.192	6.231e-2	3.35e-2	212	420	309.6462	546.6790	AAL94561.1 ATP synthase beta chain, sodium ion specific							
					303	400	323.0038	400.0000								
FN0359	0.365	11.877	1.394e-1	1.615e-1	47	57	68.6480	74.1921	AAL94562.1 ATP synthase gamma chain, sodium ion specific							
					37	65	39.4427	65.0000								
FN0360	0.285	14.476	7.053e-2	4.199e-2	96	140	140.2172	182.2263	AAL94563.1 ATP synthase alpha chain, sodium ion specific							
					125	151	133.2524	151.0000								
FN0361	0.049	9.456	4.111e-1	9.113e-1	24	13	35.0543	16.9210	AAL94564.1 ATP synthase delta chain, sodium ion specific							
					16	37	17.0563	37.0000								
FN0362	0.489	10.582				29		37.7469	AAL94565.1 ATP synthase B chain, sodium ion specific							
					31	55	33.0466	55.0000								
FN0364									AAL94567.1 ATP synthase A chain, sodium ion specific							
					13		13.8583									
FN0366	0.094	15.463	2.964e-1	5.5e-1	127	193	185.4956	251.2120	AAL94569.1 Phosphoglucosamine mutase							
					212	188	225.9961	188.0000								
FN0368	-0.854	12.891	8.103e-2	5.551e-2	59	42	86.1751	54.6679	AAL94571.1 Adenylosuccinate lyase							
					139	75	148.1767	75.0000								
FN0370	-0.097	9.472	3.919e-1	8.415e-1	10	25	14.6060	32.5404	AAL94573.1 Signal peptidase I							
					38	19	40.5087	19.0000								
FN0371	-1.266	8.366			32	9	46.7391	11.7145	AAL94574.1 Hypothetical protein							
					9		9.5942									
FN0374	0.957	7.687			9		13.1454		AAL94577.1 Single-stranded-DNA-specific exonuclease recJ							
					7	20	7.4621	20.0000								
FN0375	0.592	18.873	3.983e-2	1.494e-2	353	740	515.5902	963.1963	AAL94578.1 Iron(III)-binding protein							
					575	738	612.9611	738.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN0376	0.684	14.002	6.587e-3	8.96e-4	61	115	89.0963	149.6859												
					106	175	112.9980	175.0000	AAL94579.1 Iron(III)-transport ATP-binding protein sfuC											
FN0377												AAL94580.1 Iron(III)-transport system permease protein sfuB								
							5				5.0000									
FN0378												AAL94581.1 UDP-glucose 4-epimerase								
							3				3.9048									
FN0379												AAL94582.1 Hypothetical protein								
	-0.504	5.674			8			11.6848												
FN0380												AAL94583.1 unknown								
							6				6.3961									
FN0384	0.071	4.334			3	4	4.3818	5.2065	AAL94587.1 Hypothetical protein											
							4				4.0000									
FN0385												AAL94588.1 Hypothetical protein								
							5				5.3301									
FN0387	0.178	9.358	3.829e-1	8.102e-1	14	5	20.4483	6.5081	AAL94590.1 Fusobacterium outer membrane protein family											
					26	48	27.7165	48.0000												
FN0390	-0.310	12.774	2.522e-1	4.404e-1	40	64	58.4238	83.3035	AAL94593.1 Hypothetical protein											
					120	67	127.9223	67.0000												
FN0391	-0.025	9.836	4.26e-1	9.689e-1	6	23	8.7636	29.9372	AAL94594.1 Hydrolase (HAD superfamily)											
					49	30	52.2349	30.0000												
FN0392	-0.021	4.808				5		6.5081	AAL94595.1 Oxygen-independent coproporphyrinogen III oxidase											
					5	4	5.3301	4.0000												
FN0393	0.683	9.213	7.93e-2	5.305e-2	11	29	16.0666	37.7469	AAL94596.1 Polysaccharide deacetylase											
					21	24	22.3864	24.0000												
FN0394	-1.012	7.388			4	7	5.8424	9.1113	AAL94597.1 Outer membrane protein											
					29		30.9146													
FN0396	0.238	24.828	1.754e-1	2.514e-1	3549	5397	5183.6534	7024.8246	AAL94599.1 Dipeptide-binding protein											
					4566	4827	4867.4440	4827.0000												
FN0397	0.037	11.074				40		52.0647	AAL94600.1 Dipeptide transport system permease protein dppB											
					43	42	45.8388	42.0000												
FN0398	0.556	11.070	3.375e-2	1.123e-2	29	38	42.3573	49.4614	AAL94601.1 Dipeptide transport system permease protein dppC											
					32	63	34.1126	63.0000												

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 Filter by category:

Proteins found:
 1313

Enter (or paste) list of ORFs

Test	Cutoff
<input type="text" value="q-Value"/>	<input type="text" value=".005"/>
<input type="text" value="p-Value"/>	<input type="text"/>

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0399	0.307	15.227	1.549e-1	2.022e-1	98	138	143.1384	179.6231	AAL94602.1 Dipeptide transport ATP-binding protein dppD							
					196	256	208.9398	256.0000								
FN0400	0.197	17.503	1.169e-1	1.136e-1	306	331	446.9422	430.8351	AAL94603.1 Dipeptide transport ATP-binding protein dppF							
					336	492	358.1825	492.0000								
FN0405	-0.009	12.802	4.281e-1	9.774e-1	38	58	55.5026	75.4938	AAL94608.1 Tryptophanyl-tRNA synthetase							
					107	93	114.0641	93.0000								
FN0406	-0.352	10.060	1.482e-1	1.851e-1	25	16	36.5149	20.8259	AAL94609.1 Alanine racemase, biosynthetic							
					35	37	37.3107	37.0000								
FN0407	0.367	9.336				19		24.7307	AAL94610.1 Hypothetical protein							
					21	33	22.3864	33.0000								
FN0408	0.618	12.444	1.478e-1	1.84e-1	19	76	27.7513	98.9229	AAL94611.1 Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta							
					87	86	92.7437	86.0000								
FN0409	0.093	16.272	2.99e-1	5.569e-1	219	219	319.8704	285.0540	AAL94612.1 Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha							
					211	296	224.9301	296.0000								
FN0410	0.234	13.369	4.817e-2	2.113e-2	62	80	90.5569	104.1293	AAL94613.1 6-phosphofructokinase							
					93	119	99.1398	119.0000								
FN0411						13		16.9210	AAL94614.1 putative alpha helix protein							
FN0413					8		11.6848		AAL94616.1 unknown							
					3		3.1981									
FN0414									AAL94617.1 ATP-dependent helicase HEPA							
						4		4.0000								
FN0416					9		13.1454		AAL94619.1 Type III restriction-modification system methylation subunit							
FN0417	-0.810	7.453			12		17.5271		AAL94620.1 Type III restriction-modification system restriction subunit							
						10		10.0000								
FN0418	0.413	12.730				77		100.2245	AAL94621.1 Uracil phosphoribosyltransferase							
					67	90	71.4233	90.0000								
FN0419	-0.812	7.121	3.494e-2	1.199e-2	9	6	13.1454	7.8097	AAL94622.1 Aspartate carbamoyltransferase							
					17	10	18.1223	10.0000								
FN0420	0.271	10.280	3.414e-1	6.767e-1	6	38	8.7636	49.4614	AAL94623.1 Dihydroorotase							
					52	28	55.4330	28.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN0421	-0.441	10.388				26		33.8420	AAL94624.1 Carbamoyl-phosphate synthase small chain											
					40	29	42.6408	29.0000												
FN0422	0.866	14.286	1.306e-1	1.411e-1	20	158	29.2119	205.6554	AAL94625.1 Carbamoyl-phosphate synthase large chain											
					169	176	180.1573	176.0000												
FN0423	0.781	8.966				22		28.6356	AAL94626.1 Dihydroorotate dehydrogenase electron transfer subunit											
					16	30	17.0563	30.0000												
FN0424	0.995	7.839	8.033e-2	5.452e-2	3	19	4.3818	24.7307	AAL94627.1 Dihydroorotate dehydrogenase											
					16	18	17.0563	18.0000												
FN0426	0.582	10.924	2.025e-1	3.186e-1	7	46	10.2242	59.8744	AAL94629.1 Orotidine 5'-phosphate decarboxylase											
					58	48	61.8291	48.0000												
FN0427	0.006	11.569	4.234e-1	9.585e-1	41	38	59.8844	49.4614	AAL94630.1 Orotate phosphoribosyltransferase											
					47	61	50.1029	61.0000												
FN0430	0.631	14.454	9.84e-2	8.267e-2	51	159	74.4904	206.9570	AAL94633.1 LSU ribosomal protein L19P											
					156	166	166.2990	166.0000												
FN0435	-0.178	11.898	3.704e-1	7.682e-1	17	47	24.8301	61.1760	AAL94634.1 Purine nucleoside phosphorylase											
					100	55	106.6019	55.0000												
FN0436	0.105	12.527	3.77e-1	7.9e-1	35	41	51.1208	53.3663	AAL94635.1 regulator of kinase autophosphorylation inhibitor											
					91	106	97.0078	106.0000												
FN0437	0.528	8.125	2.155e-1	3.488e-1	3	17	4.3818	22.1275	AAL94636.1 kinase autophosphorylation inhibitor KipI											
					22	18	23.4524	18.0000												
FN0439	-0.376	12.182	3.377e-1	6.657e-1	10	32	14.6060	41.6517	AAL94638.1 Lactam utilization protein LAMB											
					132	78	140.7145	78.0000												
FN0445									AAL94641.1 Hypothetical protein											
						6		6.0000												
FN0446	1.035	7.493	5.234e-2	2.483e-2	7	18	10.2242	23.4291	AAL94642.1 Hypothetical protein											
					8	15	8.5282	15.0000												
FN0447	1.424	6.778				11		14.3178	AAL94643.1 NIFS protein											
					6	20	6.3961	20.0000												
FN0450	0.695	9.234	9.329e-2	7.519e-2	14	18	20.4483	23.4291	AAL94646.1 ABC transporter ATP-binding protein											
					17	39	18.1223	39.0000												
FN0451	0.197	5.996				7		9.1113	AAL94647.1 Hypothetical protein											
					7	8	7.4621	8.0000												

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Proteins found: 1313

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Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios					
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description									
												-6	-4	-2	0	2	4	6
FN0452	-1.408	16.823	1.636e-1	2.228e-1	647	136	945.0053	177.0199	AAL94648.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)									
					154	241	164.1670	241.0000										
FN0453	-0.491	16.982	5.095e-2	2.353e-2	255	219	372.4518	285.0540	AAL94649.1 Xaa-Pro aminopeptidase									
					451	322	480.7747	322.0000										
FN0454	0.562	15.484	1.351e-1	1.513e-1	69	173	100.7811	225.1797	AAL94650.1 Aldehyde dehydrogenase B									
					236	295	251.5805	295.0000										
FN0455	0.644	18.038	1.388e-2	2.762e-3	315	547	460.0876	711.9843	AAL94651.1 Rubrerythrin									
					347	585	369.9087	585.0000										
FN0456	-0.148	7.733	3.022e-1	5.655e-1	13	9	18.9877	11.7145	AAL94652.1 Hypothetical cytosolic protein									
					11	16	11.7262	16.0000										
FN0458	-0.725	6.798	1.092e-1	1.002e-1	12	8	17.5271	10.4129	AAL94654.1 Hypothetical Exported Protein									
					9	6	9.5942	6.0000										
FN0460	-2.071	9.728				8		10.4129	AAL94656.1 Delta-aminolevulinic acid dehydratase									
					56	18	59.6971	18.0000										
FN0461	-0.836	16.434	1.356e-1	1.524e-1	381	177	556.4869	230.3861	AAL94657.1 Probable sigma(54) modulation protein									
					224	215	238.7883	215.0000										
FN0462	1.025	12.425	4.38e-2	1.773e-2	23	98	33.5937	127.5584	AAL94658.1 DNA mismatch repair protein mutL									
					66	84	70.3573	84.0000										
FN0465	-0.882	15.866	2.019e-1	3.172e-1	377	166	550.6445	216.0683	AAL94661.1 Hypothetical protein									
					106	144	112.9980	144.0000										
FN0466	-0.036	18.093	3.916e-1	8.402e-1	428	446	625.1349	580.5210	AAL94662.1 Lysyl-tRNA synthetase									
					418	464	445.5961	464.0000										
FN0469						4		4.0000	AAL94665.1 Copper homeostasis protein cutC									
FN0470	-0.376	18.056	9.883e-2	8.33e-2	343	310	500.9843	403.5011	AAL94666.1 Putative efflux pump component MtrF									
					646	513	688.6485	513.0000										
FN0472	-0.628	25.655	6.442e-2	3.553e-2	7225	4554	10552.802	5927.5618	AAL94668.1 Flavodoxin									
					7052	5764	7517.5680	5764.0000										
FN0474						4		5.2065	AAL94670.1 Acriflavin resistance protein B									
FN0475	0.458	9.562				28		36.4453	AAL94671.1 MIAB protein									
					22	28	23.4524	28.0000										

Show detected proteins only
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 Filter by category:

Proteins found: 1313

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; p-, q-Values

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0476	0.553	12.183	9.89e-2	8.341e-2	26	57	37.9755	74.1921	AAL94672.1 Transcription termination factor rho							
					70	91	74.6213	91.0000								
FN0477	1.108	9.077	4.597e-3	5.034e-4	10	24	14.6060	31.2388	AAL94673.1 Cell wall endopeptidase family M23/M37							
					16	37	17.0563	37.0000								
FN0478	-0.145	10.214				25		32.5404	AAL94674.1 GcpE protein							
					34	33	36.2447	33.0000								
FN0479						9		11.7145	AAL94675.1 RNA polymerase sigma-E factor							
						25		25.0000								
FN0480									AAL94676.1 unknown							
						4		4.0000								
FN0481	-0.311	6.792				3		3.9048	AAL94677.1 unknown							
					11	15	11.7262	15.0000								
FN0482									AAL94678.1 LSU ribosomal protein L31P							
					6		6.3961									
FN0483	-0.269	12.123	2.504e-1	4.361e-1	34	52	49.6602	67.6841	AAL94679.1 Uracil phosphoribosyltransferase							
					91	54	97.0078	54.0000								
FN0484	0.773	5.602				7		9.1113	AAL94680.1 Lipase							
					5		5.3301									
FN0487	0.108	20.456	3.514e-1	7.074e-1	548	1078	800.4063	1403.1427	AAL94683.1 2-hydroxyglutarate dehydrogenase							
					1416	1087	1509.4833	1087.0000								
FN0488	0.163	24.209	3.054e-1	5.741e-1	1959	4005	2861.3066	5212.9743	AAL94684.1 NAD-specific glutamate dehydrogenase							
					5124	4107	5462.2828	4107.0000								
FN0489	-0.382	6.722							AAL94685.1 Prolipoprotein diacylglycerol transferase							
					11	9	11.7262	9.0000								
FN0491	0.155	15.097	3.622e-1	7.414e-1	59	123	86.1751	160.0988	AAL94687.1 Alanine racemase							
					252	235	268.6369	235.0000								
FN0493	-0.507	8.176	1.956e-1	3.031e-1	19	15	27.7513	19.5242	AAL94689.1 Hypothetical protein							
					12	9	12.7922	9.0000								
FN0494	-0.915	14.912	3.853e-2	1.411e-2	136	69	198.6410	89.8115	AAL94690.1 Short chain dehydrogenase							
					266	166	283.5611	166.0000								
FN0495	-0.333	26.760	6.737e-4	1.257e-5	8224	7402	12011.937	9634.5658	AAL94691.1 Acetyl-CoA acetyltransferase							
					11175	9364	11912.765	9364.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN0501	0.449	17.998	1.558e-1	2.044e-1	183	420	267.2890	546.6790					AAL94697.1 Ornithine decarboxylase							
					571	649	608.6970	649.0000												
FN0502	-0.028	9.075											AAL94698.1 Phosphoheptose isomerase							
					22	23	23.4524	23.0000												
FN0503	0.369	10.998	1.683e-1	2.34e-1	18	39	26.2907	50.7630					AAL94699.1 Transcriptional regulatory protein, LYSR family							
					50	52	53.3010	52.0000												
FN0505	-1.240	11.169	1.138e-1	1.081e-1	28	18	40.8967	23.4291					AAL94701.1 Anthranilate synthase component II							
					100	39	106.6019	39.0000												
FN0506	-0.647	13.894	1.081e-1	9.817e-2	134	67	195.7198	87.2083					AAL94702.1 Arginyl-tRNA synthetase							
					106	110	112.9980	110.0000												
FN0511	0.189	11.954	3.714e-1	7.714e-1	10	58	14.6060	75.4938					AAL94707.1 D-lactate dehydrogenase							
					97	59	103.4039	59.0000												
FN0512	-0.489	16.189	2.394e-3	1.65e-4	223	171	325.7128	222.5764					AAL94708.1 Flavoprotein							
					302	239	321.9378	239.0000												
FN0513	0.555	7.795	1.212e-1	1.219e-1	11	17	16.0666	22.1275					AAL94709.1 Flavodoxin							
					8	14	8.5282	14.0000												
FN0515	1.249	4.604				4		5.2065					AAL94711.1 Acriflavin resistance protein D							
					3	10	3.1981	10.0000												
FN0516													AAL94712.1 Acriflavin resistance protein E							
					4		4.2641													
FN0517	0.979	5.808				10		13.0162					AAL94713.1 Outer membrane protein toIC							
					5	8	5.3301	8.0000												
FN0519	-0.466	6.760	1.258e-1	1.313e-1	8	9	11.6848	11.7145					AAL94715.1 Hypothetical exported 24-amino acid repeat protein							
					12	6	12.7922	6.0000												
FN0522	0.631	7.459				10		13.0162					AAL94718.1 Exonuclease SBCC							
					10	20	10.6602	20.0000												
FN0523	0.823	5.086			3	5	4.3818	6.5081					AAL94719.1 Exonuclease SBCC							
						9		9.0000												
FN0524	0.131	6.289	3.37e-1	6.635e-1	5	5	7.3030	6.5081					AAL94720.1 DNA helicase II							
					9	12	9.5942	12.0000												
FN0525	0.887	14.933	9.659e-2	8.002e-2	38	219	55.5026	285.0540					AAL94721.1 Penicillin-binding protein							
					192	196	204.6757	196.0000												

Show detected proteins only
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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
	FN0526	-0.035	11.865				42			54.6679	AAL94722.1 Florfenicol resistance protein					
					58	66	61.8291	66.0000								
FN0527	0.168	11.089	2.08e-1	3.312e-1	26	33	37.9755	42.9533	AAL94723.1 Alanyl-tRNA synthetase							
					47	56	50.1029	56.0000								
FN0528	-3.178	13.061	1.321e-1	1.446e-1	340	28	496.6025	36.4453	AAL94724.1 Cold shock protein							
					56	25	59.6971	25.0000								
FN0535	-0.792	10.664	1.084e-2	1.924e-3	39	24	56.9632	31.2388	AAL94731.1 Hypothetical protein							
					46	30	49.0369	30.0000								
FN0536	0.062	15.130	3.784e-1	7.947e-1	94	159	137.2960	206.9570	AAL94732.1 DNA polymerase III, beta chain							
					219	180	233.4582	180.0000								
FN0540	0.419	10.679	2.342e-1	3.957e-1	10	32	14.6060	41.6517	AAL94736.1 Glutamate-1-semialdehyde 2,1-aminomutase							
					52	52	55.4330	52.0000								
FN0541						6		7.8097	AAL94737.1 polysaccharide deacetylase							
						11		11.0000								
FN0542	0.192	9.997	3.784e-1	7.949e-1	3	31	4.3818	40.3501	AAL94738.1 Beta 1,4 glucosyltransferase							
					52	28	55.4330	28.0000								
FN0543	-0.511	8.900	2.444e-1	4.214e-1	8	12	11.6848	15.6194	AAL94739.1 Lipopolysaccharide heptosyltransferase-1							
					38	21	40.5087	21.0000								
FN0544									AAL94740.1 ADP-heptose:LPS heptosyltransferase II							
					3		3.1981									
FN0546									AAL94742.1 Lipopolysaccharide core biosynthesis protein rfaQ							
					6		6.3961									
FN0547	0.900	16.482	6.395e-2	3.507e-2	88	304	128.5324	395.6914	AAL94743.1 RecA protein							
					295	431	314.4757	431.0000								
FN0549									AAL94745.1 O-sialoglycoprotein endopeptidase							
						13		13.0000								
FN0550	-1.381	8.739	1.179e-1	1.155e-1	34	12	49.6602	15.6194	AAL94746.1 hypothetical Protein							
					16	10	17.0563	10.0000								
FN0552	0.058	9.532	3.897e-1	8.338e-1	19	15	27.7513	19.5242	AAL94748.1 Serine racemase							
					24	36	25.5845	36.0000								
FN0553	0.524	15.182	1.491e-1	1.876e-1	64	144	93.4781	187.4328	AAL94749.1 D-serine dehydratase							
					214	275	228.1281	275.0000								

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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	-	p-, q-Values

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN0554	0.286	8.642	2.214e-1	3.633e-1	8	17	11.6848	22.1275	AAL94750.1 D-serine permease							
					23	22	24.5184	22.0000								
FN0555									AAL94751.1 Transcriptional regulator, MerR family							
					6		7.8097									
FN0556	-0.517	11.707	2.519e-1	4.396e-1	75	42	109.5447	54.6679	AAL94752.1 unknown							
					27	42	28.7825	42.0000								
FN0557	0.637	15.248	1.458e-1	1.784e-1	59	242	86.1751	314.9912	AAL94753.1 unknown							
					216	177	230.2602	177.0000								
FN0558	-1.486	15.058							AAL94754.1 TraT complement resistance protein precursor							
					290	84	309.1456	84.0000								
FN0559	-0.272	15.468	2.57e-1	4.516e-1	105	151	153.3625	196.5441	AAL94755.1 Phosphoglucomutase							
					295	191	314.4757	191.0000								
FN0560									AAL94756.1 Oxygen-independent coproporphyrinogen III oxidase							
						6		6.0000								
FN0561	-0.774	10.406	4.26e-2	1.684e-2	28	21	40.8967	27.3339	AAL94757.1 Proline synthetase associated protein							
					52	29	55.4330	29.0000								
FN0562	-0.100	13.516	3.412e-1	6.762e-1	60	93	87.6357	121.0503	AAL94758.1 Hypothetical cytosolic protein							
					128	88	136.4505	88.0000								
FN0563	0.351	6.660	2.811e-1	5.104e-1	10	9	14.6060	11.7145	AAL94759.1 putative tRNA (5-methylaminomethyl-2-thiouridylate) - methyltransferase							
					3	11	3.1981	11.0000								
FN0576	0.959	11.867	6.031e-2	3.168e-2	25	81	36.5149	105.4309	AAL94772.1 hypothetical protein							
					48	65	51.1689	65.0000								
FN0577	0.351	7.455							AAL94773.1 Hypothetical protein							
					11	13	11.7262	13.0000								
FN0579	-0.950	19.619	8.566e-2	6.238e-2	1109	588	1619.8004	765.3505	AAL94775.1 Hypothetical cytosolic protein							
					821	526	875.2018	526.0000								
FN0580	1.308	5.492							AAL94776.1 Penicillin-binding protein							
					4	12	4.2641	12.0000								
FN0581	0.873	7.058							AAL94777.1 Lipoprotein releasing system transmembrane protein lolE							
					8		8.5282									
FN0582	1.053	9.578							AAL94778.1 Lipoprotein releasing system ATP-binding protein lolD							
					18	38	19.1883	38.0000								

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Test Cutoff

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

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
										-6	-4	-2	0	2	4	6			
FN0610	-0.320	15.476	2.7e-1	4.828e-1	93	153	135.8354	199.1473	AAL94806.1 unknown										
					320	183	341.1262	183.0000											
FN0611	0.320	19.168	3.881e-2	1.429e-2	461	612	673.3345	796.5893	AAL94807.1 Threonyl-tRNA synthetase										
					657	918	700.3747	918.0000											
FN0612	0.387	11.172	2.415e-1	4.143e-1	13	36	18.9877	46.8582	AAL94808.1 Hypothetical protein										
					61	63	65.0272	63.0000											
FN0614									AAL94810.1 Export ABC transporter										
								3		3.0000									
FN0615					3		4.3818		AAL94811.1 Export ABC transporter										
FN0616									AAL94812.1 Hypothetical protein										
					7		7.4621												
FN0617	-1.889	15.192	9.783e-2	8.183e-2	380	73	555.0263	95.0180	AAL94813.1 DNA polymerase III, beta chain										
					178	106	189.7514	106.0000											
FN0618	-0.326	13.483	2.987e-1	5.562e-1	40	90	58.4238	117.1455	AAL94814.1 Spermidine/putrescine-binding protein										
					170	74	181.2233	74.0000											
FN0619	-0.085	7.554	4.027e-1	8.801e-1	4	12	5.8424	15.6194	AAL94815.1 Small-conductance mechanosensitive channel										
					21	11	22.3864	11.0000											
FN0621	-0.431	11.289	1.955e-1	3.027e-1	54	37	78.8722	48.1598	AAL94817.1 4-hydroxybutyrate coenzyme A transferase										
					35	38	37.3107	38.0000											
FN0622	1.262	11.804	4.144e-2	1.602e-2	12	57	17.5271	74.1921	AAL94818.1 8-oxoguanine DNA glycosylase										
					56	111	59.6971	111.0000											
FN0625	-0.547	8.360			15		21.9089		AAL94821.1 Aspartate aminotransferase										
							15	15.0000											
FN0626									AAL94822.1 Hypothetical cytosolic protein										
							12	12.0000											
FN0627	0.231	13.566	3.026e-1	5.665e-1	37	95	54.0420	123.6536	AAL94823.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)										
					140	115	149.2427	115.0000											
FN0628								6.5081	AAL94824.1 Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)										
							7	7.0000											
FN0629	0.595	8.780						32.5404	AAL94825.1 PTS system, IID component										
					16	19	17.0563	19.0000											

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Proteins found:
 1313

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Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0631	-0.070	8.289				15		19.5242	AAL94827.1 PTS system, IIB component							
					17	15	18.1223	15.0000								
FN0633	-0.513	7.485				8		10.4129	AAL94829.1 Replication protein							
					15	12	15.9903	12.0000								
FN0634	-1.658	12.056	1.414e-1	1.665e-1	131	28	191.3380	36.4453	AAL94830.1 GTP-binding protein TypA/BipA							
					38	37	40.5087	37.0000								
FN0643	-0.635	9.351	1.48e-1	1.846e-1	29	10	42.3573	13.0162	AAL94839.1 hypothetical DNA-binding protein							
					20	28	21.3204	28.0000								
FN0644	-0.629	10.902	4.995e-2	2.264e-2	38	21	55.5026	27.3339	AAL94840.1 Uroporphyrin-III C-methyltransferase							
					50	43	53.3010	43.0000								
FN0645	-0.410	5.580			8		11.6848		AAL94841.1 Porphobilinogen deaminase							
					4	6	4.2641	6.0000								
FN0646									AAL94842.1 Glutamyl-tRNA reductase							
						3		3.0000								
FN0649					6		8.7636		AAL94845.1 Exoenzymes regulatory protein aepA precursor							
FN0651									AAL94847.1 Ribosomal large subunit pseudouridine synthase D							
						6		6.0000								
FN0652	0.643	25.505	9.371e-2	7.596e-2	2352	5960	3435.3206	7757.6347	AAL94848.1 Glyceraldehyde 3-phosphate dehydrogenase							
					7137	9493	7608.1796	9493.0000								
FN0653	0.659	12.862	8.06e-2	5.492e-2	32	69	46.7391	89.8115	AAL94849.1 unknown							
					85	127	90.6116	127.0000								
FN0654	1.001	19.852	7.062e-3	1.02e-3	368	1156	537.4991	1504.6687	AAL94850.1 Phosphoglycerate kinase							
					786	1248	837.8912	1248.0000								
FN0655	0.524	7.628				19		24.7307	AAL94851.1 unknown							
					11	9	11.7262	9.0000								
FN0657	1.251	10.355				42		54.6679	AAL94853.1 Acetyltransferase							
					22	57	23.4524	57.0000								
FN0658	-0.254	11.894	2.477e-3	1.78e-4	47	43	68.6480	55.9695	AAL94854.1 ABC transporter substrate-binding protein							
					62	57	66.0932	57.0000								
FN0660	-0.419	6.456	1.751e-1	2.506e-1	9	4	13.1454	5.2065	AAL94856.1 ABC transporter ATP-binding protein							
					8	11	8.5282	11.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
	FN0662	0.198	11.806	3.768e-1	7.893e-1	5	47	7.3030		61.1760	AAL94858.1 Formiminoglutamase					
					98	67	104.4699	67.0000								
FN0664	1.016	13.333	1.705e-1	2.394e-1	73	46	106.6235	59.8744	AAL94860.1 2-nitropropane dioxygenase							
					34	229	36.2447	229.0000								
FN0666						4		5.2065	AAL94862.1 Hypothetical protein							
						7		7.0000								
FN0668	0.016	8.665	4.265e-1	9.708e-1	7	15	10.2242	19.5242	AAL94864.1 High-affinity zinc uptake system protein znuA precursor							
					28	21	29.8485	21.0000								
FN0672	0.958	7.142				17		22.1275	AAL94868.1 ATPase							
					8	11	8.5282	11.0000								
FN0675	1.259	22.417	7.412e-2	4.62e-2	331	2016	483.4571	2624.0590	AAL94871.1 60 kDa chaperonin GROEL							
					2417	4698	2576.5686	4698.0000								
FN0676	-0.177	10.991				36		46.8582	AAL94872.1 10 kDa chaperonin GROES							
					45	38	47.9709	38.0000								
FN0677	0.032	12.193	4.123e-1	9.158e-1	62	51	90.5569	66.3824	AAL94873.1 Hypothetical protein							
					42	72	44.7728	72.0000								
FN0678	1.260	10.418	6.35e-2	3.463e-2	5	48	7.3030	62.4776	AAL94874.1 Ser/Thr protein kinase							
					38	52	40.5087	52.0000								
FN0679	-0.957	7.297			21		30.6725		AAL94875.1 GTPase							
					4	9	4.2641	9.0000								
FN0680	0.608	6.793							AAL94876.1 Ribulose-phosphate 3-epimerase							
					8	13	8.5282	13.0000								
FN0681	-0.117	16.579	2.764e-1	4.986e-1	260	212	379.7548	275.9427	AAL94877.1 Transcriptional regulator, MarR family							
					255	325	271.8349	325.0000								
FN0682	0.639	9.469	6.915e-2	4.046e-2	19	28	27.7513	36.4453	AAL94878.1 Fibronectin-binding protein-like protein A							
					14	30	14.9243	30.0000								
FN0684	-0.796	8.495	1.86e-1	2.775e-1	8	16	11.6848	20.8259	AAL94880.1 Prismane protein							
					36	8	38.3767	8.0000								
FN0685	-0.486	13.208				81		105.4309	AAL94881.1 Sodium/pantothenate symporter							
					108	59	115.1301	59.0000								
FN0688	1.295	11.094				58		75.4938	AAL94884.1 Hypothetical protein							
					28	71	29.8485	71.0000								

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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	-	p-, q-Values

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0689	0.695	14.514	1.458e-1	1.783e-1	42	196	61.3450	255.1168	AAL94885.1 Hypothetical protein							
					168	134	179.0912	134.0000								
FN0692						4		5.2065	AAL94888.1 Nitrogen regulation protein NIFR3							
						8		8.0000								
FN0693					15		21.9089		AAL94889.1 DNA mismatch repair protein mutS							
FN0694	0.664	11.419	5.857e-4	8.19e-6	27	49	39.4361	63.7792	AAL94890.1 S-layer protein							
					41	68	43.7068	68.0000								
FN0695	0.749	10.414	7.742e-2	5.045e-2	12	39	17.5271	50.7630	AAL94891.1 ABC transporter ATP-binding protein							
					37	45	39.4427	45.0000								
FN0697	0.234	14.553	1.472e-1	1.822e-1	114	117	166.5079	152.2891	AAL94893.1 Alanyl-tRNA synthetase							
					112	184	119.3942	184.0000								
FN0699	-0.498	9.741	1.948e-1	3.009e-1	33	24	48.1997	31.2388	AAL94895.1 Protein translocase subunit secD							
					20	18	21.3204	18.0000								
FN0700	-1.237	7.147	8.815e-2	6.643e-2	17	5	24.8301	6.5081	AAL94896.1 Protein translocase subunit secF							
					11	9	11.7262	9.0000								
FN0701	-0.565	14.468	2.414e-3	1.68e-4	120	88	175.2715	114.5423	AAL94897.1 Methyltransferase							
					179	133	190.8175	133.0000								
FN0705	0.395	12.987	1.301e-1	1.401e-1	39	75	56.9632	97.6212	AAL94901.1 DNA polymerase I							
					94	109	100.2058	109.0000								
FN0706									AAL94902.1 Hypothetical cytosolic protein							
						4		4.0000								
FN0707	-0.758	6.848	1.654e-1	2.271e-1	14	5	20.4483	6.5081	AAL94903.1 Riboflavin kinase							
					7	10	7.4621	10.0000								
FN0710	-0.226	11.609	1.391e-1	1.607e-1	47	41	68.6480	53.3663	AAL94906.1 Hypothetical protein							
					49	50	52.2349	50.0000								
FN0711	0.499	8.858				14		18.2226	AAL94907.1 Phosphopantothenate--cysteine ligase							
					17	33	18.1223	33.0000								
FN0714	0.579	6.868	8.837e-2	6.68e-2	7	8	10.2242	10.4129	AAL94910.1 NADH oxidase							
					7	16	7.4621	16.0000								
FN0715	-0.108	14.529	3.952e-1	8.53e-1	177	120	258.5254	156.1940	AAL94911.1 Hypothetical protein							
					57	140	60.7631	140.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0716	0.735	11.251	1.181e-1	1.158e-1	40	51	58.4238	66.3824	AAL94912.1 hypothetical protein							
					17	61	18.1223	61.0000		■						
FN0717									AAL94913.1 Ribosomal small subunit pseudouridine synthase A							
						5		5.0000								
FN0720	0.104	12.681	3.747e-1	7.823e-1	45	40	65.7268	52.0647	AAL94916.1 Protein Translation Elongation Factor P (EF-P)							
					85	116	90.6116	116.0000								
FN0721	1.207	9.191	5.226e-2	2.476e-2	5	28	7.3030	36.4453	AAL94917.1 Hypothetical protein							
					23	37	24.5184	37.0000		■						
FN0722	0.199	6.984	3.202e-1	6.151e-1	10	7	14.6060	9.1113	AAL94918.1 WD-repeat family protein							
					6	15	6.3961	15.0000		■						
FN0723	0.230	4.414							AAL94919.1 Hypothetical protein							
					4	5	4.2641	5.0000		■						
FN0724	0.198	11.870	2.208e-1	3.618e-1	41	40	59.8844	52.0647	AAL94920.1 Flavodoxin							
					51	79	54.3670	79.0000		■						
FN0725	0.942	9.234	8.216e-2	5.711e-2	6	20	8.7636	26.0323	AAL94921.1 Molybdopterin biosynthesis MoeB protein							
					25	42	26.6505	42.0000		■						
FN0728	0.044	11.030	2.072e-2	4.912e-3	31	36	45.2785	46.8582	AAL94924.1 Hypothetical protein							
					42	46	44.7728	46.0000								
FN0729	-0.672	13.985	1.529e-1	1.974e-1	153	92	223.4711	119.7487	AAL94925.1 Phosphoglycerate mutase							
					92	82	98.0738	82.0000		■						
FN0731	-1.416	9.709	8.692e-2	6.439e-2	45	18	65.7268	23.4291	AAL94927.1 Hypothetical protein							
					27	12	28.7825	12.0000		■						
FN0733	-0.640	11.992	7.913e-2	5.28e-2	66	34	96.3993	44.2550	AAL94929.1 Peptidase T							
					59	58	62.8951	58.0000		■						
FN0734								3.9048	AAL94930.1 Fe-S oxidoreductase							
								4.0000								
FN0735	-1.836	12.081	1.241e-1	1.275e-1	136	32	198.6410	41.6517	AAL94931.1 Cell surface protein							
					47	28	50.1029	28.0000		■						
FN0736	1.465	7.017	7.327e-3	1.095e-3	5	16	7.3030	20.8259	AAL94932.1 Methyltransferase							
					6	17	6.3961	17.0000		■						
FN0737									AAL94933.1 Hypothetical protein							
					28		29.8485									

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Proteins found: 1313

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	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
									-6 -4 -2 0 2 4 6										
FN0738	-0.137	10.699	3.267e-1	6.335e-1	33	39	48.1997	50.7630	AAL94934.1 Hypothetical exported 24-amino acid repeat protein										
					35	27	37.3107	27.0000											
FN0739	-0.219	14.903	1.404e-1	1.64e-1	125	144	182.5744	187.4328	AAL94935.1 Formiminotetrahydrofolate cyclodeaminase										
					183	137	195.0815	137.0000											
FN0740	0.658	18.227	1.348e-1	1.506e-1	147	625	214.7075	813.5104	AAL94936.1 Imidazolonepropionase										
					626	578	667.3281	578.0000											
FN0741	0.216	18.432	3.115e-1	5.908e-1	206	551	300.8827	717.1907	AAL94937.1 Glutamate formiminotransferase										
					753	565	802.7125	565.0000											
FN0742	-0.176	11.674				35		45.5566	AAL94938.1 unknown										
					57	62	60.7631	62.0000											
FN0743						3		3.9048	AAL94939.1 ATP-dependent helicase, DinG family										
						6		6.0000											
FN0745	0.700	14.439	1.084e-1	9.875e-2	47	179	68.6480	232.9894	AAL94941.1 metal dependent phosphohydrolase										
					155	147	165.2330	147.0000											
FN0746	-0.231	7.795	3.577e-1	7.271e-1	17	5	24.8301	6.5081	AAL94942.1 Hypothetical Metal-Binding Protein										
					7	21	7.4621	21.0000											
FN0750	1.496	10.329	3.169e-3	2.864e-4	11	48	16.0666	62.4776	AAL94946.1 Hypothetical protein										
					25	58	26.6505	58.0000											
FN0751	0.864	9.045	4.183e-2	1.629e-2	8	20	11.6848	26.0323	AAL94947.1 L-asparaginase I										
					21	36	22.3864	36.0000											
FN0752	0.512	8.460	2.058e-1	3.26e-1	4	16	5.8424	20.8259	AAL94948.1 Proline iminopeptidase										
					24	24	25.5845	24.0000											
FN0753	-0.738	12.667	7.267e-4	1.671e-5	74	46	108.0841	59.8744	AAL94949.1 Glutamyl-tRNA(Gln) amidotransferase subunit B										
					94	65	100.2058	65.0000											
FN0754	-0.254	13.528	2.054e-1	3.252e-1	64	63	93.4781	82.0018	AAL94950.1 Glutamyl-tRNA(Gln) amidotransferase subunit A										
					135	117	143.9126	117.0000											
FN0755	-0.064	10.115	2.386e-1	4.074e-1	24	27	35.0543	35.1436	AAL94951.1 Glutamyl-tRNA(Gln) amidotransferase subunit C										
					31	30	33.0466	30.0000											
FN0758	0.513	15.076	8.518e-2	6.162e-2	97	202	141.6778	262.9265	AAL94954.1 Rod shape-determining protein mreB										
					159	181	169.4971	181.0000											
FN0761	-1.076	9.604				18		23.4291	AAL94957.1 Bvg accessory factor										
					38	15	40.5087	15.0000											

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios									
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg											
														-6	-4	-2	0	2	4	6			
FN0765	-1.315	4.485			7	3	7.4621	3.0000	AAL94961.1 tRNA (5-methylaminomethyl -2-thiouridylate) -methyltransferase														
FN0768					4		4.2641		AAL94964.1 Hemin receptor														
FN0771						3		3.9048		7		7.0000	AAL94967.1 Oxygen-independent coproporphyrinogen III oxidase										
FN0774	-1.602	10.676	4.351e-2	1.752e-2	60	18	87.6357	23.4291	AAL94970.1 Hypothetical cytosolic protein														
FN0775	-0.126	16.431	3.637e-1	7.462e-1	126	229	184.0350	298.0702	AAL94971.1 Aspartyl aminopeptidase														
FN0776	0.545	13.004	2.901e-3	2.384e-4	48	86	70.1086	111.9390	AAL94972.1 Aspartate-ammonia ligase														
FN0777	0.754	11.881	1.469e-2	2.998e-3	29	68	42.3573	88.5099	AAL94973.1 GTP-binding protein lepA														
FN0778	0.571	8.742	1.696e-1	2.373e-1	5	18	7.3030	23.4291	AAL94974.1 Methyltransferase														
FN0779	0.819	5.648				6		7.8097	AAL94975.1 Putative GTPases (G3E family)														
FN0783	-0.310	23.073	8.181e-2	5.661e-2	2527	1871	3690.9248	2435.3246	AAL94979.1 acyl-CoA dehydrogenase														
FN0784	-0.025	22.273	4.104e-1	9.089e-1	1903	1910	2779.5132	2486.0876	AAL94980.1 Electron transfer flavoprotein beta-subunit														
FN0785	-0.085	21.951	2.939e-1	5.434e-1	1553	1307	2268.3048	1701.2128	AAL94981.1 Electron transfer flavoprotein alpha-subunit														
FN0788	-0.113	10.128	2.482e-1	4.307e-1	25	21	36.5149	27.3339	AAL94984.1 unknown														
FN0790	0.937	6.318	3.515e-2	1.213e-2	3	9	4.3818	11.7145	AAL94986.1 Xylose repressor														
FN0791	-0.105	18.471	3.015e-1	5.636e-1	367	513	536.0385	667.7293	AAL94987.1 Histidine ammonia-lyase														
FN0792	0.197	20.863	2.865e-1	5.241e-1	573	1095	836.9212	1425.2701	AAL94988.1 Urocanate hydratase														

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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	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0793					12		12.7922		AAL94989.1 Sodium/glutamate symport carrier protein							
FN0794	0.547	8.545			15	19	15.9903	24.7307	AAL94990.1 Hypothetical protein							
FN0796	-0.052	15.039	3.704e-1	7.68e-1	104	144	151.9019	187.4328	AAL94992.1 Pyruvate,phosphate dikinase							
FN0798	1.523	8.750	1.185e-1	1.167e-1	8	41	11.6848	53.3663	AAL94994.1 Fructose-1,6-bisphosphatase							
FN0799	0.025	8.992	4.223e-1	9.542e-1	8	15	11.6848	19.5242	AAL94995.1 Isoamylase							
FN0800	0.336	10.731	3.194e-1	6.127e-1	5	32	7.3030	41.6517	AAL94996.1 Amino acid-binding protein							
FN0801	0.243	8.768			18	18	19.1883	23.4291	AAL94997.1 Amino acid transport ATP-binding protein							
FN0802					6		6.3961		AAL94998.1 Amino acid transport system permease protein							
FN0803	-0.571	11.124	6.377e-2	3.49e-2	46	25	67.1874	32.5404	AAL94999.1 Cytochrome C-TYPE biogenesis protein ccdA							
FN0805	-0.132	7.675	1.304e-1	1.407e-1	11	11	16.0666	14.3178	AAL95001.1 Hypothetical protein							
FN0806	0.123	12.367	1.288e-1	1.374e-1	45	62	65.7268	80.7002	AAL95002.1 SpoIID homolog							
FN0807	-1.344	9.052	1.066e-3	3.371e-5	24	13	35.0543	16.9210	AAL95003.1 3-deoxy-manno-octulosonate cytidyltransferase							
FN0808	0.115	12.609	2.173e-1	3.531e-1	58	68	84.7145	88.5099	AAL95004.1 Phosphoglycerate mutase							
FN0809	0.908	7.092			8	16	8.5282	16.0000	AAL95005.1 23S rRNA methyltransferase							
FN0810	0.068	11.832	4.141e-1	9.228e-1	45	12	65.7268	15.6194	AAL95006.1 Low-specificity threonine aldolase							
FN0811						4		5.2065	AAL95007.1 Hypothetical protein							
						5		5.0000								

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0813	0.526	11.354				49		63.7792	AAL95009.1 Transcriptional regulator, TetR family											
					40	59	42.6408	59.0000												
FN0814	-0.998	8.654	1.97e-1	3.062e-1	33	8	48.1997	10.4129	AAL95010.1 Propionate CoA-transferase											
					8	18	8.5282	18.0000												
FN0816					40		58.4238		AAL95012.1 dehydrogenase with MaoC-like domain											
FN0818	-1.239	17.242	9.136e-2	7.177e-2	567	224	828.1576	291.5621	AAL95014.1 DNA-binding protein HU											
					358	221	381.6349	221.0000												
FN0819	0.016	11.585	4.201e-1	9.459e-1	47	38	68.6480	49.4614	AAL95015.1 Tetratricopeptide repeat family protein											
					39	62	41.5748	62.0000												
FN0820	-0.228	14.652	2.305e-1	3.862e-1	94	91	137.2960	118.4471	AAL95016.1 Mercuric reductase											
					197	178	210.0058	178.0000												
FN0821	-1.605	11.407	1.204e-1	1.202e-1	96	29	140.2172	37.7469	AAL95017.1 Hypothetical protein											
					39	22	41.5748	22.0000												
FN0823	1.308	12.200	8.822e-3	1.439e-3	21	79	30.6725	102.8277	AAL95019.1 GTP-binding protein hflX											
					53	113	56.4990	113.0000												
FN0824						4		5.2065	AAL95020.1 hypothetical cytosolic protein											
FN0825	-0.782	10.524	1.472e-1	1.822e-1	20	25	29.2119	32.5404	AAL95021.1 Hypothetical cytosolic protein											
					67	26	71.4233	26.0000												
FN0826	0.340	8.158	2.634e-1	4.668e-1	14	20	20.4483	26.0323	AAL95022.1 periplasmic component of efflux system											
					9	12	9.5942	12.0000												
FN0827	1.573	9.040	6.343e-3	8.378e-4	8	27	11.6848	35.1436	AAL95023.1 ABC transporter ATP-binding protein											
					14	44	14.9243	44.0000												
FN0828						6		7.8097	AAL95024.1 ABC transporter permease protein											
						4		4.0000												
FN0830	0.165	12.616	1.271e-1	1.338e-1	55	59	80.3328	76.7954	AAL95026.1 Hypothetical protein											
					65	91	69.2913	91.0000												
FN0831					13		18.9877		AAL95027.1 Hemin receptor											
					6		6.3961													
FN0832	-1.597	11.335	1.593e-1	2.126e-1	105	18	153.3625	23.4291	AAL95028.1 Hypothetical protein											
					22	35	23.4524	35.0000												

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Test Cutoff

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red	yes	+
yellow	no	n/a
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light green	yes	-

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN0833	2.462	7.291				29		37.7469					AAL95029.1 Hypothetical protein							
						5	21	5.3301	21.0000											
FN0834	-1.275	8.610	1.84e-1	2.724e-1	37	8	54.0420	10.4129					AAL95030.1 Hypothetical Exported Protein							
						7	15	7.4621	15.0000											
FN0835					27		39.4361						AAL95031.1 Hypothetical protein							
						4		4.2641												
FN0836	-1.130	9.002	1.078e-1	9.769e-2	32	12	46.7391	15.6194					AAL95032.1 Hypothetical protein							
						19	15	20.2544	15.0000											
FN0837													AAL95033.1 Integrase/recombinase							
							8		8.0000											
FN0846	-0.348	13.288	3.225e-2	1.035e-2	83	74	121.2294	96.3196					AAL95042.1 Hypothetical Exported Protein							
						98	81	104.4699	81.0000											
FN0847	0.475	6.660				9		11.7145					AAL95043.1 TPR-repeat-containing proteins							
						8	12	8.5282	12.0000											
FN0848					5		7.3030						AAL95044.1 Hypothetical protein							
FN0849	-0.199	11.782	7.91e-2	5.276e-2	44	39	64.2662	50.7630					AAL95045.1 8-amino-7-oxononanoate synthase							
						59	60	62.8951	60.0000											
FN0850	0.764	10.380	3.355e-2	1.111e-2	15	37	21.9089	48.1598					AAL95046.1 Hypothetical cytosolic protein							
						32	47	34.1126	47.0000											
FN0853	-0.045	13.711	3.647e-1	7.496e-1	91	96	132.9142	124.9552					AAL95049.1 Glycogen synthase							
						96	103	102.3379	103.0000											
FN0854	-0.137	14.775	2.379e-1	4.056e-1	139	114	203.0228	148.3843					AAL95050.1 Glucose-1-phosphate adenylyltransferase							
						139	171	148.1767	171.0000											
FN0855	0.616	15.846	5.671e-2	2.86e-2	102	238	148.9807	309.7847					AAL95051.1 Glucose-1-phosphate adenylyltransferase							
						228	291	243.0524	291.0000											
FN0856	-0.253	14.724	4.334e-2	1.739e-2	124	124	181.1138	161.4005					AAL95052.1 1,4-alpha-glucan branching enzyme							
						167	140	178.0252	140.0000											
FN0857	0.426	16.750	8.631e-2	6.341e-2	155	304	226.3923	395.6914					AAL95053.1 Glycogen phosphorylase							
						325	374	346.4563	374.0000											
FN0858	0.125	11.791	3.54e-1	7.155e-1	35	31	51.1208	40.3501					AAL95054.1 4-alpha-glucanotransferase							
						59	84	62.8951	84.0000											

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yes	-	p-, q-Values

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN0865	0.081	15.415	4.125e-1	9.168e-1	17	172	24.8301	223.8780	AAL95061.1 unknown							
					358	206	381.6349	206.0000								
FN0867	0.670	10.938	2.326e-2	5.917e-3	24	39	35.0543	50.7630	AAL95063.1 Long-chain-fatty-acid--CoA ligase							
					33	61	35.1786	61.0000								
FN0868									AAL95064.1 ATPases of the PP superfamily							
						8		8.0000								
FN0869	0.953	5.137				5		6.5081	AAL95065.1 Hydrolase (HAD superfamily)							
					4	10	4.2641	10.0000								
FN0871	-0.713	7.471				6		7.8097	AAL95067.1 3-dehydroquinase synthase							
					16	13	17.0563	13.0000								
FN0873	-0.259	11.850	3.409e-1	6.754e-1	18	50	26.2907	65.0808	AAL95069.1 Protease IV							
					100	46	106.6019	46.0000								
FN0874	-1.230	5.874							AAL95070.1 Phosphohydrolase (MUTT/NUDIX family protein)							
					11	5	11.7262	5.0000								
FN0875						6		7.8097	AAL95071.1 23S rRNA methyltransferase							
FN0878	0.937	8.392	6.663e-2	3.776e-2	5	19	7.3030	24.7307	AAL95074.1 Transcriptional regulator, GntR family							
					18	26	19.1883	26.0000								
FN0884						3		3.9048	AAL95079.1 Hemin transport system permease protein hmuU							
FN0887	0.209	10.204	2.359e-1	4.001e-1	16	26	23.3695	33.8420	AAL95083.1 Oligoendopeptidase F							
					38	40	40.5087	40.0000								
FN0888					15		21.9089		AAL95084.1 Uracil permease							
					14		14.9243									
FN0889	-1.822	8.162			37		54.0420		AAL95085.1 hypothetical protein							
					9	9	9.5942	9.0000								
FN0892						10		13.0162	AAL95088.1 Phosphoserine phosphatase							
						5		5.0000								
FN0893	0.908	6.707							AAL95089.1 Hypothetical protein							
					7	14	7.4621	14.0000								
FN0896	-0.444	7.378	2.198e-1	3.593e-1	6	7	8.7636	9.1113	AAL95092.1 Hypothetical protein							
					20	13	21.3204	13.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
											-6	-4	-2	0	2	4
FN0898	0.373	5.202				6		7.8097	AAL95094.1 Hypothetical protein							
					5	6	5.3301	6.0000								
FN0900	1.742	6.902			6		8.7636	AAL95096.1 Metal dependent hydrolase								
					3	20	3.1981		20.0000							
FN0901	0.597	7.121				10		13.0162	AAL95097.1 DNA polymerase, bacteriophage-type							
					9	16	9.5942	16.0000								
FN0903	-0.003	9.315	4.299e-1	9.845e-1	20	18	29.2119	23.4291	AAL95099.1 Polysialic acid capsule expression protein kpsF							
					20	27	21.3204	27.0000								
FN0904									AAL95100.1 NAD(FAD)-utilizing dehydrogenases							
					4		4.2641									
FN0906	0.573	9.839	1.33e-2	2.589e-3	15	26	21.9089	33.8420	AAL95102.1 Glycerol-3-phosphate dehydrogenase [NAD(P)+]							
					26	40	27.7165	40.0000								
FN0908	-0.058	7.940				9		11.7145	AAL95104.1 Tpl protein							
					15	19	15.9903	19.0000								
FN0909					7		10.2242		AAL95105.1 DNA repair protein radC							
FN0910	-0.402	5.782				3		3.9048	AAL95106.1 Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase							
					8	9	8.5282	9.0000								
FN0911	-0.506	6.018				5		6.5081	AAL95107.1 Alpha-ribazole-5'-phosphate phosphatase							
					9	7	9.5942	7.0000								
FN0912	-1.114	7.566				9		11.7145	AAL95108.1 Cobalamin [5'-phosphate] synthase							
					19	7	20.2544	7.0000								
FN0913	-0.414	6.414							AAL95109.1 Cobinamide kinase							
					10	8	10.6602	8.0000								
FN0915	0.493	11.328	1.881e-1	2.829e-1	14	54	20.4483	70.2873	AAL95111.1 PTS system, N-acetylglucosamine-specific IIA component							
					61	50	65.0272	50.0000								
FN0916	0.368	14.727	1.485e-1	1.858e-1	70	153	102.2417	199.1473	AAL95112.1 Hypothetical Exported Protein							
					176	175	187.6194	175.0000								
FN0917	1.614	5.799				7		9.1113	AAL95113.1 Hypothetical protein							
					4	17	4.2641	17.0000								
FN0920									AAL95116.1 Protease HTPX							
					10		10.6602									

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios							
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6	
FN0921	-0.604	10.565				27		35.1436													
					45	28	47.9709	28.0000													
FN0923																					
					4		4.2641														
FN0925	0.660	6.014				4		5.2065													
					6	15	6.3961	15.0000													
FN0926	-0.223	10.796	1e-3	2.979e-5		31	30	45.2785	39.0485												
						43	39	45.8388	39.0000												
FN0928	-0.423	6.406					3		3.9048												
						10	12	10.6602	12.0000												
FN0929	0.453	9.091	2.564e-2	7.001e-3		12	22	17.5271	28.6356												
						21	26	22.3864	26.0000												
FN0930	-0.425	5.068				7		10.2242													
						3	5	3.1981	5.0000												
FN0932	0.159	8.158					9		11.7145												
						15	24	15.9903	24.0000												
FN0934	0.517	9.486					30		39.0485												
						21	25	22.3864	25.0000												
FN0938	-0.128	11.165					42		54.6679												
						47	37	50.1029	37.0000												
FN0940	-1.050	9.850					14		18.2226												
						41	24	43.7068	24.0000												
FN0941	-0.610	11.697	5.384e-2	2.631e-2		42	44	61.3450	57.2711												
						76	36	81.0175	36.0000												
FN0943	-0.567	9.792					13		16.9210												
						34	32	36.2447	32.0000												
FN0944																					
						4		4.2641													
FN0947	-0.858	12.017	1.148e-1	1.099e-1		80	32	116.8476	41.6517												
						53	54	56.4990	54.0000												
FN0949	-1.411	13.207	1.839e-1	2.72e-1		196	44	286.2767	57.2711												
						29	62	30.9146	62.0000												

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Proteins found:
1313

Test **Cutoff**

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
	FN0951	-0.775	6.390			4		5.8424			AAL95147.1 Precorrin-3B C17-methyltransferase					
					17	7	18.1223	7.0000								
FN0957	-1.418	7.945	3.972e-2	1.487e-2	22	4	32.1331	5.2065	AAL95153.1 Precorrin-4 C11-methyltransferase							
					18	14	19.1883	14.0000								
FN0958	-2.061	7.676			20		29.2119		AAL95154.1 unknown							
						7		7.0000								
FN0959	-1.481	6.125			14		20.4483		AAL95155.1 Precorrin-2 C20-methyltransferase							
					7	5	7.4621	5.0000								
FN0961	0.896	8.505			6		8.7636		AAL95157.1 Hypothetical protein							
					18	26	19.1883	26.0000								
FN0962	-1.359	9.016	5.476e-3	6.561e-4	28	8	40.8967	10.4129	AAL95158.1 Hypothetical cytosolic protein							
					30	18	31.9806	18.0000								
FN0964	0.321	5.873	2.515e-2	6.763e-3	5	7	7.3030	9.1113	AAL95160.1 Precorrin-8W decarboxylase							
					6	8	6.3961	8.0000								
FN0965	-0.112	12.001	3.106e-1	5.882e-1	51	57	74.4904	74.1921	AAL95161.1 D-3-phosphoglycerate dehydrogenase							
					55	49	58.6311	49.0000								
FN0966	0.645	3.999							AAL95162.1 Precorrin-6Y C5,15-methyltransferase (decarboxylating)							
					3	5	3.1981	5.0000								
FN0967	-0.769	5.939			7		10.2242		AAL95163.1 CbiD protein							
						6		6.0000								
FN0970	-0.290	7.143			9	5	13.1454	6.5081	AAL95166.1 Precorrin-8X methylmutase							
						15		15.0000								
FN0971									AAL95167.1 hypothetical cytosolic protein							
						4		5.2065								
FN0972	0.608	8.205	2.417e-1	4.149e-1	3	8	4.3818	10.4129	AAL95168.1 Cobyrinic acid a,c-diamide synthase							
					22	32	23.4524	32.0000								
FN0974									AAL95170.1 Lactoylglutathione lyase							
					4		4.2641									
FN0976	0.144	11.383	2.891e-1	5.31e-1	33	32	48.1997	41.6517	AAL95172.1 Hypothetical protein							
					47	67	50.1029	67.0000								
FN0977	1.438	9.116	2.056e-2	4.855e-3	5	35	7.3030	45.5566	AAL95173.1 Cobyrinic acid synthase							
					20	32	21.3204	32.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
										-6	-4	-2	0	2	4	6			
FN0981	-0.504	12.408	2.381e-1	4.061e-1	29	59	42.3573	76.7954	AAL95177.1 Phosphoribosylamine--glycine ligase										
					125	47	133.2524	47.0000											
FN0982	0.265	15.280	1.408e-1	1.651e-1	101	180	147.5201	234.2910	AAL95178.1 Phosphoribosylaminoimidazolecarboxamide formyltransferase										
					203	203	216.4019	203.0000											
FN0983	0.355	14.383	8.978e-2	6.911e-2	104	115	151.9019	149.6859	AAL95179.1 Hypothetical protein										
					100	181	106.6019	181.0000											
FN0984	0.873	11.030	5.226e-3	6.098e-4	20	49	29.2119	63.7792	AAL95180.1 Tetracenomycin polyketide synthesis O-methyltransferase tcmP										
					36	60	38.3767	60.0000											
FN0985	1.102	7.287				12		15.6194	AAL95181.1 Phosphoribosylglycinamide formyltransferase										
					8	21	8.5282	21.0000											
FN0986	0.231	15.265	3.259e-1	6.311e-1	64	119	93.4781	154.8924	AAL95182.1 Phosphoribosylformylglycinamide cycloligase										
					256	275	272.9009	275.0000											
FN0987	0.779	13.771	1.482e-1	1.851e-1	17	112	24.8301	145.7811	AAL95183.1 Amidophosphoribosyltransferase										
					146	164	155.6388	164.0000											
FN0988	0.060	15.807	3.888e-1	8.305e-1	116	156	169.4291	203.0522	AAL95184.1 Phosphoribosylamidoimidazole-succinocarboxamide synthase										
					281	286	299.5514	286.0000											
FN0989	0.050	15.288	3.92e-1	8.416e-1	121	116	176.7321	150.9875	AAL95185.1 Phosphoribosylaminoimidazole carboxylase catalytic subunit										
					203	256	216.4019	256.0000											
FN0990	0.834	20.908	7.738e-2	5.039e-2	411	1412	600.3047	1837.8826	AAL95186.1 Phosphoribosylformylglycinamide synthase										
					1408	1907	1500.9551	1907.0000											
FN0991	-0.090	9.717	2.554e-1	4.478e-1	22	24	32.1331	31.2388	AAL95187.1 CDP-diacylglycerol--serine O-phosphatidyltransferase										
					26	25	27.7165	25.0000											
FN0992	0.892	9.216	6.184e-2	3.307e-2	7	28	10.2242	36.4453	AAL95188.1 ADP-heptose:LPS heptosyltransferase II										
					24	30	25.5845	30.0000											
FN0994	0.040	13.306	4.174e-1	9.355e-1	33	60	48.1997	78.0970	AAL95190.1 Hypothetical protein										
					141	126	150.3087	126.0000											
FN0997	0.649	11.507	1.465e-1	1.803e-1	13	60	18.9877	78.0970	AAL95193.1 Hypothetical protein										
					63	57	67.1592	57.0000											
FN0998	1.402	15.330	2.05e-2	4.831e-3	52	248	75.9510	322.8009	AAL95194.1 Dipeptide-binding protein										
					163	337	173.7611	337.0000											
FN0999	-0.636	11.318	2.471e-1	4.279e-1	14	30	20.4483	39.0485	AAL95195.1 Deblocking aminopeptidase										
					99	42	105.5359	42.0000											

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1000					16		23.3695		AAL95196.1 Biotin synthase							
FN1001	0.163	10.734	3.475e-1	6.953e-1	14	31	20.4483	40.3501	AAL95197.1 Dethiobiotin synthetase							
					54	47	57.5650	47.0000								
FN1002	-1.471	10.879	8.808e-2	6.632e-2	69	17	100.7811	22.1275	AAL95198.1 Adenosylmethionine-8-amino-7-oxononanoate aminotransferase							
					41	30	43.7068	30.0000								
FN1003	-0.787	14.629	2.781e-1	5.028e-1	6	84	8.7636	109.3358	AAL95199.1 Outer membrane protein P1 precursor							
					384	133	409.3514	133.0000								
FN1004	0.234	8.546	3.101e-1	5.867e-1	12	23	17.5271	29.9372	AAL95200.1 Transcriptional regulator, TetR family							
					17	12	18.1223	12.0000								
FN1005	0.414	10.773				45		58.5727	AAL95201.1 Hypothetical protein							
					34	38	36.2447	38.0000								
FN1006	-0.900	8.070							AAL95202.1 Acetyltransferase							
					21	12	22.3864	12.0000								
FN1010	-0.769	14.158	1.418e-1	1.676e-1	73	90	106.6235	117.1455	AAL95206.1 Hypothetical cytosolic protein							
					231	90	246.2505	90.0000								
FN1011	-0.006	7.141	4.221e-1	9.536e-1	9	9	13.1454	11.7145	AAL95207.1 MGPA protein							
					10	12	10.6602	12.0000								
FN1012	0.290	10.301	1.471e-1	1.82e-1	25	25	36.5149	32.5404	AAL95208.1 HPR(Ser) kinase							
					26	46	27.7165	46.0000								
FN1014	0.492	9.595				33		42.9533	AAL95210.1 Folylpolylglutamate synthase							
					22	23	23.4524	23.0000								
FN1015	-1.341	8.560				8		10.4129	AAL95211.1 5'-methylthioadenosine nucleosidase							
					29	14	30.9146	14.0000								
FN1016	1.182	8.927	5.703e-2	2.886e-2	4	28	5.8424	36.4453	AAL95212.1 Lipid A biosynthesis lauroyl acyltransferase							
					22	30	23.4524	30.0000								
FN1017	-0.078	12.632	3.919e-1	8.413e-1	34	70	49.6602	91.1132	AAL95213.1 Hypothetical Exported Protein							
					107	64	114.0641	64.0000								
FN1019	-0.646	24.242	7.914e-3	1.238e-3	3572	2651	5217.2471	3450.5855	AAL95215.1 3-hydroxybutyryl-CoA dehydrogenase							
					5563	3671	5930.2652	3671.0000								
FN1020	-0.377	18.349	1.128e-1	1.064e-1	460	478	671.8739	622.1727	AAL95216.1 3-hydroxybutyryl-CoA dehydratase							
					605	392	644.9417	392.0000								

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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	-	p-, q-Values

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1023	0.351	8.711				24		31.2388	AAL95219.1 5-Nitroimidazole antibiotic resistance protein							
					17	15	18.1223	15.0000								
FN1024	-0.080	20.340	3.402e-1	6.731e-1	934	726	1364.1962	944.9736	AAL95220.1 DNA-binding protein HU							
					943	1296	1005.2562	1296.0000								
FN1025	-0.940	7.584							AAL95221.1 Guanine-hypoxanthine permease							
					18	10	19.1883	10.0000								
FN1026									AAL95222.1 tRNA pseudouridine synthase A							
						6		6.0000								
FN1028	-0.206	9.581	2.31e-1	3.874e-1	21	25	30.6725	32.5404	AAL95224.1 Deoxyuridine 5'-triphosphate nucleotidohydrolase							
					27	19	28.7825	19.0000								
FN1029	-0.699	12.026	5.539e-4	7.104e-6	55	41	80.3328	53.3663	AAL95225.1 Zinc protease							
					79	48	84.2155	48.0000								
FN1030	-0.312	9.043				14		18.2226	AAL95226.1 Hypothetical membrane-spanning protein							
					24	23	25.5845	23.0000								
FN1031	-0.218	7.137							AAL95227.1 Hypothetical membrane-spanning protein							
					12	11	12.7922	11.0000								
FN1033	-0.270	11.800	1.251e-1	1.298e-1	46	49	67.1874	63.7792	AAL95229.1 Methyltransferase							
					60	45	63.9612	45.0000								
FN1034						5		6.5081	AAL95230.1 Transcriptional regulator, TetR family							
						13		13.0000								
FN1035									AAL95231.1 Iron-sulfur flavoprotein							
						3		3.0000								
FN1036						3		3.9048	AAL95232.1 Hypothetical protein							
						4		4.0000								
FN1037	0.102	8.100				11		14.3178	AAL95233.1 Hypothetical cytosolic protein							
					15	20	15.9903	20.0000								
FN1041	0.452	7.665	1.624e-1	2.198e-1	5	11	7.3030	14.3178	AAL95237.1 Acetyltransferase							
					16	19	17.0563	19.0000								
FN1042	0.070	8.271	3.84e-1	8.14e-1	14	10	20.4483	13.0162	AAL95238.1 S1 RNA binding domain							
					13	23	13.8583	23.0000								
FN1048						3		3.9048	AAL95244.1 Hypothetical membrane-spanning protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1050					22		32.1331						AAL95246.1 Lactoylglutathione lyase							
					3		3.1981													
FN1053					8		11.6848						AAL95249.1 Hypothetical protein							
FN1055	0.082	12.254	3.757e-1	7.855e-1	31	59	45.2785	76.7954					AAL95251.1 Cysteine synthase							
					85	67	90.6116	67.0000												
FN1057						17		22.1275					AAL95253.1 Diamine acetyltransferase							
						5		5.0000												
FN1060	0.353	10.498	1.031e-2	1.79e-3	22	33	32.1331	42.9533					AAL95256.1 hypothetical cytosolic protein							
					33	43	35.1786	43.0000												
FN1062	-0.849	11.407	7.556e-2	4.801e-2	60	22	87.6357	28.6356					AAL95258.1 Hydrolase							
					49	49	52.2349	49.0000												
FN1063	0.090	9.667	4.069e-1	8.958e-1	5	16	7.3030	20.8259					AAL95259.1 N-acyl-L-amino acid amidohydrolase							
					45	38	47.9709	38.0000												
FN1066	0.919	7.358	5.128e-2	2.383e-2	4	14	5.8424	18.2226					AAL95262.1 Exodeoxyribonuclease VII large subunit							
					12	17	12.7922	17.0000												
FN1067	1.468	11.077	6.324e-3	8.334e-4	12	65	17.5271	84.6051					AAL95263.1 Tetratricopeptide repeat family protein							
					36	70	38.3767	70.0000												
FN1068	0.658	7.502	1.579e-1	2.093e-1	3	16	4.3818	20.8259					AAL95264.1 Smf protein							
					16	13	17.0563	13.0000												
FN1069	-0.636	11.338	7.169e-2	4.331e-2	46	22	67.1874	28.6356					AAL95265.1 DNA topoisomerase I							
					56	53	59.6971	53.0000												
FN1070	-0.052	6.472				5		6.5081					AAL95266.1 Glucose inhibited division protein A							
					9	12	9.5942	12.0000												
FN1071													AAL95267.1 Integrase/recombinase							
						4		4.0000												
FN1072	-0.766	9.973	7.671e-2	4.95e-2	34	12	49.6602	15.6194					AAL95268.1 GTP-binding protein							
					31	33	33.0466	33.0000												
FN1073	0.556	5.911				6		7.8097					AAL95269.1 Hypothetical protein							
					6	11	6.3961	11.0000												
FN1074	0.373	9.655	1.244e-1	1.284e-1	13	22	18.9877	28.6356					AAL95270.1 Signal recognition particle receptor FtsY							
					29	36	30.9146	36.0000												

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1075						7		7.0000	AAL95271.1 Hypothetical protein							
FN1077	-1.808	8.636				11		14.3178	AAL95273.1 Hypothetical protein							
					35	7	37.3107	7.0000								
FN1078	-0.405	15.509	8.587e-2	6.27e-2	195	144	284.8161	187.4328	AAL95274.1 Hypothetical exported 24-amino acid repeat protein							
					199	188	212.1378	188.0000								
FN1079	0.447	19.158	1.624e-1	2.199e-1	267	748	389.9790	973.6092	AAL95275.1 Neutrophil-activating protein A							
					863	812	919.9746	812.0000								
FN1080	1.682	5.526	2.047e-2	4.82e-3	3	11	4.3818	14.3178	AAL95276.1 Export ABC transporter							
					3	10	3.1981	10.0000								
FN1081					25		36.5149		AAL95277.1 unknown							
FN1084	-0.983	9.267	8.285e-2	5.811e-2	31	11	45.2785	14.3178	AAL95280.1 unknown							
					23	21	24.5184	21.0000								
FN1085	-0.378	13.731	5.469e-2	2.697e-2	101	85	147.5201	110.6374	AAL95281.1 4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme							
					111	94	118.3281	94.0000								
FN1086	1.459	7.258				20		26.0323	AAL95282.1 Transporter							
					7	15	7.4621	15.0000								
FN1088	0.677	9.744	4.406e-2	1.794e-2	12	30	17.5271	39.0485	AAL95284.1 NADH oxidase							
					27	35	28.7825	35.0000								
FN1089	0.747	15.175	5.694e-2	2.879e-2	69	164	100.7811	213.4651	AAL95285.1 ATP-binding protein (contains P-loop)							
					184	285	196.1475	285.0000								
FN1091	0.944	6.713	7.9e-2	5.261e-2	5	8	7.3030	10.4129	AAL95287.1 Sigma factor sigB regulation protein rsbU							
					7	18	7.4621	18.0000								
FN1092	0.711	11.981	1.841e-1	2.727e-1	6	62	8.7636	80.7002	AAL95288.1 Hypothetical protein							
					85	82	90.6116	82.0000								
FN1093	-0.487	9.861	1.025e-1	8.896e-2	29	15	42.3573	19.5242	AAL95289.1 Hypothetical protein							
					28	32	29.8485	32.0000								
FN1094	-0.782	9.491				13		16.9210	AAL95290.1 Dolichol-phosphate mannosyltransferase							
					33	24	35.1786	24.0000								
FN1095					8		11.6848		AAL95291.1 unknown							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1096	-0.741	10.242	1.873e-1	2.807e-1	47	16	68.6480	20.8259	AAL95292.1 Hypothetical protein							
					20	33	21.3204	33.0000								
FN1097	-2.247	8.247			26		37.9755		AAL95293.1 Hypothetical protein							
						8		8.0000								
FN1101									AAL95297.1 ATPase							
						8		8.0000								
FN1102									AAL95298.1 tRNA 2'phosphotransferase							
						10		10.0000								
FN1103	0.896	11.103	2.65e-2	7.402e-3	23	43	33.5937	55.9695	AAL95299.1 Excinuclease ABC subunit A							
					33	72	35.1786	72.0000								
FN1105	-0.962	11.985	1.112e-1	1.035e-1	83	34	121.2294	44.2550	AAL95301.1 Hypothetical protein							
					53	47	56.4990	47.0000								
FN1106	-0.118	12.041	2.593e-1	4.571e-1	51	55	74.4904	71.5889	AAL95302.1 L-serine dehydratase							
					57	53	60.7631	53.0000								
FN1111								14.3178	AAL95307.1 Dipeptide-binding protein							
						17		17.0000								
FN1117	-1.259	9.243	1.266e-1	1.329e-1	39	16	56.9632	20.8259	AAL95313.1 LSU ribosomal protein L21P							
					18	11	19.1883	11.0000								
FN1119	-1.638	11.491	1.031e-1	8.995e-2	96	16	140.2172	20.8259	AAL95315.1 LSU ribosomal protein L27P							
					46	40	49.0369	40.0000								
FN1120	-0.049	16.232	3.515e-1	7.078e-1	166	207	242.4589	269.4346	AAL95316.1 Phosphoenolpyruvate carboxykinase (ATP)							
					302	276	321.9378	276.0000								
FN1121	0.209	12.124	1.857e-1	2.765e-1	34	52	49.6602	67.6841	AAL95317.1 hypothetical cytosolic protein							
					70	76	74.6213	76.0000								
FN1122	0.184	12.114	2.358e-1	3.999e-1	41	66	59.8844	85.9067	AAL95318.1 Long-chain-fatty-acid--CoA ligase							
					61	56	65.0272	56.0000								
FN1123	0.496	6.048	2.256e-1	3.737e-1	5	11	7.3030	14.3178	AAL95319.1 Thioredoxin-like protein							
					6	5	6.3961	5.0000								
FN1124	0.763	16.378	1.047e-2	1.829e-3	133	286	194.2592	372.2623	AAL95320.1 Outer membrane porin F							
					238	388	253.7126	388.0000								
FN1125	0.357	12.772	2.829e-1	5.15e-1	18	84	26.2907	109.3358	AAL95321.1 LemA protein							
					114	80	121.5262	80.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

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; p-, q-Values

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1127	-0.497	12.635	1.423e-1	1.688e-1	83	54	121.2294	70.2873	AAL95323.1 Hypothetical membrane-spanning protein											
					64	64	68.2252	64.0000					■							
FN1128	-0.734	15.860	9.162e-2	7.223e-2	270	140	394.3608	182.2263	AAL95324.1 Acylamino-acid-releasing enzyme											
					220	196	234.5242	196.0000					■							
FN1129	0.341	5.696				4		5.2065	AAL95325.1 Chromosome partition protein smc											
					6	11	6.3961	11.0000					■							
FN1130	1.045	5.874							AAL95326.1 Tetraacyldisaccharide 4'-kinase											
					5	11	5.3301	11.0000					■							
FN1131	-0.985	6.600							AAL95327.1 Hypothetical protein											
					13	7	13.8583	7.0000					■							
FN1133	-0.495	10.411	2.427e-1	4.173e-1	14	27	20.4483	35.1436	AAL95329.1 N-acetylglucosamine-6-phosphate deacetylase											
					63	27	67.1592	27.0000					■							
FN1134	-1.864	7.864			26		37.9755		AAL95330.1 Hypothetical cytosolic protein											
					19	8	20.2544	8.0000					■							
FN1135	-0.761	14.742	1.829e-1	2.695e-1	225	107	328.6340	139.2730	AAL95331.1 Phosphonates-binding protein											
					96	115	102.3379	115.0000					■							
FN1136	0.062	9.417				18		23.4291	AAL95332.1 Phosphonates transport ATP-binding protein phnC											
					24	30	25.5845	30.0000					■							
FN1138	-0.414	18.374	1.623e-1	2.196e-1	349	491	509.7478	639.0937	AAL95334.1 Hypothetical cytosolic protein											
					784	371	835.7591	371.0000					■							
FN1139	0.924	13.686	1.044e-1	9.191e-2	20	107	29.2119	139.2730	AAL95335.1 Activator of (R)-2-hydroxyglutaryl-CoA dehydratase											
					129	177	137.5165	177.0000					■							
FN1140	-0.276	9.196				10		13.0162	AAL95336.1 hypothetical protein											
					25	31	26.6505	31.0000					■							
FN1142	0.309	5.137				4		5.2065	AAL95338.1 Oxygen-independent coproporphyrinogen III oxidase											
					5	8	5.3301	8.0000					■							
FN1143	1.064	14.967	6.498e-2	3.608e-2	41	244	59.8844	317.5944	AAL95339.1 Glucosamine-6-phosphate isomerase											
					176	200	187.6194	200.0000					■							
FN1144	1.001	13.002	6.259e-2	3.377e-2	22	107	32.1331	139.2730	AAL95340.1 Hypothetical Exported Protein											
					90	117	95.9417	117.0000					■							
FN1145	-0.101	8.796	3.956e-1	8.544e-1	8	9	11.6848	11.7145	AAL95341.1 Oligoendopeptidase F											
					30	29	31.9806	29.0000					■							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

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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	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1146					6		8.7636		AAL95342.1 Hypothetical exported 24-amino acid repeat protein							
FN1148	0.111	11.539	4.044e-1	8.864e-1	4	41	5.8424	53.3663	AAL95344.1 Serine/threonine sodium symporter							
FN1149	0.693	7.151	2.336e-3	1.566e-4	7	11	10.2242	14.3178	AAL95345.1 ATP-dependent nuclease subunit A							
FN1150	0.715	4.900							AAL95346.1 unknown							
FN1152	-0.055	13.383	4.011e-1	8.743e-1	45	79	65.7268	102.8277	AAL95348.1 Aspartate aminotransferase							
FN1154	-1.063	7.766							AAL95350.1 Ribonuclease BN							
FN1155									AAL95351.1 Cell division protein ftsI							
FN1156									AAL95352.1 Primosomal protein N'							
FN1159	0.294	14.595	1.371e-1	1.56e-1	77	137	112.4659	178.3215	AAL95355.1 Fructose-1,6-bisphosphatase							
FN1160	1.333	4.687							AAL95356.1 SWF/SNF family helicase							
FN1161	1.278	4.632							AAL95357.1 Glutamate racemase							
FN1162	-1.558	7.411							AAL95358.1 Hydroxyacylglutathione hydrolase							
FN1163	-0.514	11.650	1.768e-1	2.547e-1	30	46	43.8179	59.8744	AAL95359.1 Thioredoxin reductase							
FN1164	0.278	7.046	1.106e-1	1.026e-1	7	11	10.2242	14.3178	AAL95360.1 Glucokinase							
FN1165	0.612	23.817	5.094e-2	2.352e-2	2224	4182	3248.3644	5443.3605	AAL95361.1 D-galactose-binding protein							
FN1166	0.377	15.375	1.558e-3	7.615e-5	128	178	186.9562	231.6877	AAL95362.1 Galactoside transport ATP-binding protein mglA							

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Find ORFs

Test Cutoff

q-Value .005

p-Value

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1167						8		10.4129					AAL95363.1 Galactoside transport system permease protein mgIC							
						13		13.0000												
FN1169	0.278	16.921	1.73e-1	2.456e-1	260	245	379.7548	318.8961					AAL95365.1 L-lactate dehydrogenase							
					244	457	260.1087	457.0000												
FN1170	-0.142	25.777	3.064e-1	5.768e-1	6878	5624	10045.975	7320.2915					AAL95366.1 Pyruvate-flavodoxin oxidoreductase							
					5525	7117	5889.7565	7117.0000												
FN1171	-0.222	20.052	2.133e-1	3.435e-1	936	673	1367.1174	875.9879					AAL95367.1 Acetate kinase							
					830	1055	884.7960	1055.0000												
FN1172	0.030	18.163	3.338e-1	6.54e-1	348	397	508.2872	516.7418					AAL95368.1 Phosphate acetyltransferase							
					529	578	563.9242	578.0000												
FN1176					4		5.8424						AAL95372.1 Hypothetical cytosolic protein							
FN1179	-1.769	6.939			14		20.4483						AAL95375.1 ATP-dependent RNA helicase							
						6	6.0000													
FN1180	-1.061	6.676			10		14.6060						AAL95376.1 Hypothetical protein							
						7	7.0000													
FN1181	-2.344	14.291	1.54e-1	2.001e-1	404	42	590.0806	54.6679					AAL95377.1 unknown							
					45	71	47.9709	71.0000												
FN1182	-1.284	6.453			10		14.6060						AAL95378.1 Hypothetical protein							
						6	6.0000													
FN1183	-0.176	7.933	3.097e-1	5.857e-1	14	8	20.4483	10.4129					AAL95379.1 Hypothetical cytosolic protein							
					12	19	12.7922	19.0000												
FN1184					4		5.8424						AAL95380.1 Hypothetical protein							
FN1185	-0.689	10.673	1.81e-1	2.649e-1	52	22	75.9510	28.6356					AAL95381.1 SIR2 family protein							
					25	35	26.6505	35.0000												
FN1186	0.240	17.171	3.387e-1	6.688e-1	82	308	119.7688	400.8979					AAL95382.1 Amidohydrolase							
					551	434	587.3766	434.0000												
FN1187	0.650	12.196	2.121e-1	3.408e-1	7	85	10.2242	110.6374					AAL95383.1 Amino acid-binding protein							
					93	61	99.1398	61.0000												
FN1188	1.162	12.256	7.563e-2	4.809e-2	10	87	14.6060	113.2406					AAL95384.1 Hypothetical protein							
					74	96	78.8854	96.0000												

Show detected proteins only
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Proteins found: 1313

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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	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1189	-0.118	12.067	2.978e-1	5.538e-1	46	59	67.1874	76.7954	AAL95385.1 Hypothetical protein							
					65	49	69.2913	49.0000								
FN1190	1.038	13.812	8.211e-5	4.721e-7	54	135	78.8722	175.7182	AAL95386.1 Probable cadmium-transporting ATPase							
					83	168	88.4796	168.0000								
FN1191	1.187	12.355				104		135.3681	AAL95387.1 unknown							
					45	83	47.9709	83.0000								
FN1192	0.791	18.046	2.599e-2	7.173e-3	227	451	331.5552	587.0291	AAL95388.1 unknown							
					431	782	459.4543	782.0000								
FN1198	0.898	11.084	1.113e-2	2.001e-3	19	47	27.7513	61.1760	AAL95394.1 Transporter							
					38	66	40.5087	66.0000								
FN1200	-0.742	17.108				253		329.3090	AAL95396.1 Hypothetical protein							
					456	252	486.1048	252.0000								
FN1201									AAL95397.1 unknown							
						7		7.0000								
FN1202	-0.197	9.533	2.819e-1	5.125e-1	18	26	26.2907	33.8420	AAL95398.1 NH(3)-dependent NAD(+) synthetase							
					30	17	31.9806	17.0000								
FN1203	0.305	6.482	2.465e-1	4.265e-1	8	10	11.6848	13.0162	AAL95399.1 GTP-binding protein							
					5	8	5.3301	8.0000								
FN1204	0.124	7.786	2.531e-1	4.425e-1	10	10	14.6060	13.0162	AAL95400.1 Methyltransferase							
					13	18	13.8583	18.0000								
FN1205	-0.078	11.654	4.044e-1	8.864e-1	20	58	29.2119	75.4938	AAL95401.1 Protease							
					82	35	87.4136	35.0000								
FN1208	0.975	7.199			6		8.7636		AAL95404.1 1-deoxyxylulose-5-phosphate synthase							
					8	17	8.5282	17.0000								
FN1209	0.487	8.485				16		20.8259	AAL95405.1 Hypothetical RNA binding protein							
					15	24	15.9903	24.0000								
FN1210	0.467	10.567	1.481e-1	1.847e-1	22	45	32.1331	58.5727	AAL95406.1 Metal dependent hydrolase							
					32	33	34.1126	33.0000								
FN1211	1.001	6.553	6.418e-2	3.53e-2	5	8	7.3030	10.4129	AAL95407.1 Cell division protein ftsI							
					6	17	6.3961	17.0000								
FN1213	0.842	11.063	8.008e-2	5.416e-2	13	46	18.9877	59.8744	AAL95409.1 Hypothetical protein							
					47	64	50.1029	64.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1216	0.487	7.681	7.205e-2	4.373e-2	10	13	14.6060	16.9210	AAL95412.1 RRF2 family protein							
					9	17	9.5942	17.0000								
FN1217	1.625	7.424				20		26.0323	AAL95413.1 Holliday junction DNA helicase ruvB							
					7	20	7.4621	20.0000								
FN1218	0.374	7.959				13		16.9210	AAL95414.1 unknown							
					13	19	13.8583	19.0000								
FN1219	-0.275	8.213	1.35e-1	1.511e-1	15	11	21.9089	14.3178	AAL95415.1 Hypothetical protein							
					15	17	15.9903	17.0000								
FN1220	0.289	15.621	1.709e-1	2.404e-1	127	150	185.4956	195.2425	AAL95416.1 Cysteine synthase							
					207	301	220.6660	301.0000								
FN1221	0.497	9.241	2.284e-1	3.808e-1	5	28	7.3030	36.4453	AAL95417.1 Hypothetical protein							
					32	22	34.1126	22.0000								
FN1222	-1.562	6.206			10		14.6060		AAL95418.1 Hypothetical protein							
					14	5	14.9243	5.0000								
FN1223	-1.625	11.368	2.843e-2	8.322e-3	74	25	108.0841	32.5404	AAL95419.1 Oxygen-insensitive NAD(P)H nitroreductase							
					68	26	72.4893	26.0000								
FN1224	-0.398	13.009	2.364e-1	4.016e-1	42	47	61.3450	61.1760	AAL95420.1 2-dehydro-3-deoxyphosphooctonate aldolase							
					138	97	147.1107	97.0000								
FN1225	-0.187	13.251	3.249e-1	6.283e-1	45	60	65.7268	78.0970	AAL95421.1 UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase							
					136	107	144.9786	107.0000								
FN1226	1.490	13.992	2.328e-2	5.925e-3	24	195	35.0543	253.8152	AAL95422.1 Uracil-DNA glycosylase							
					110	174	117.2621	174.0000								
FN1231	0.471	19.642	2.362e-1	4.012e-1	166	788	242.4589	1025.6739	AAL95427.1 Inosine-5'-monophosphate dehydrogenase							
					1214	1104	1294.1474	1104.0000								
FN1233						6		6.0000	AAL95429.1 Putative NAD(P)H oxidoreductase							
FN1234								21.0000	AAL95430.1 Hypothetical protein							
						21										
FN1235	0.365	9.531	2.504e-1	4.362e-1	8	29	11.6848	37.7469	AAL95431.1 Ankyrin repeat proteins							
					34	24	36.2447	24.0000								
FN1237	0.712	13.428	6.986e-3	9.988e-4	51	112	74.4904	145.7811	AAL95433.1 Choline kinase							
					84	123	89.5456	123.0000								

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Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1238	-0.414	4.414			5	4	5.3301	4.0000	AAL95434.1 Hypothetical protein											
FN1239					12		12.7922		AAL95435.1 Hypothetical protein											
FN1240	-0.769	6.344	1.319e-1	1.439e-1	11	6	16.0666	7.8097	AAL95436.1 Lipopolysaccharide core biosynthesis protein rfaY											
FN1241	0.629	6.343	1.099e-1	1.014e-1	7	8	10.2242	10.4129	AAL95437.1 polysaccharide biosynthesis protein											
FN1242	0.448	8.972			18	25	19.1883	25.0000	AAL95438.1 Polysaccharide deacetylase											
FN1243	-0.255	7.544			14	12	14.9243	12.0000	AAL95439.1 Glycosyl transferase											
FN1244	0.185	9.278	3.677e-1	7.594e-1	5	17	7.3030	22.1275	AAL95440.1 Polysaccharide deacetylase											
FN1245	0.609	5.168	4.202e-3	4.429e-4	3	6	4.3818	7.8097	AAL95441.1 Glycosyl transferase											
FN1246	0.231	8.229			15	18	15.9903	18.0000	AAL95442.1 Lipooligosaccharide cholinephosphotransferase											
FN1247	0.968	9.238	7.704e-2	4.994e-2	8	19	11.6848	24.7307	AAL95443.1 LOS biosynthesis enzyme LBGB											
FN1250	0.040	8.774	4.033e-1	8.823e-1	10	18	14.6060	23.4291	AAL95446.1 Guanine-hypoxanthine permease											
FN1251	0.555	6.354			7	5	7.4621	5.0000	AAL95447.1 High-affinity iron permease											
FN1252	0.786	16.487	5.381e-2	2.628e-2	151	361	220.5499	469.8836	AAL95448.1 34 kDa membrane antigen precursor											
FN1253	0.102	15.514	3.977e-1	8.62e-1	48	186	70.1086	242.1007	AAL95449.1 unknown											
FN1254	-0.219	12.056	3.057e-1	5.75e-1	30	53	43.8179	68.9857	AAL95450.1 Oxygen-insensitive NAD(P)H nitroreductase											
FN1256					4		4.2641		AAL95452.1 C4-dicarboxylate transporter large subunit											

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Proteins found:
1313

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Test Cutoff

q-Value

p-Value

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1258	0.230	19.411	1.1e-1	1.015e-1	595	741	869.0543	964.4979	AAL95454.1 C4-dicarboxylate-binding protein											
					631	844	672.6582	844.0000												
FN1259									AAL95455.1 hypothetical protein											
						9		9.0000												
FN1261					10		14.6060		AAL95457.1 Two-component response regulator											
FN1262	-0.313	8.516				21		27.3339	AAL95458.1 Integral membrane protein											
					20	7	21.3204	7.0000												
FN1263	0.775	8.255	1.612e-2	3.402e-3	11	19	16.0666	24.7307	AAL95459.1 Cobalt chelataase											
					10	21	10.6602	21.0000												
FN1264						12		15.6194	AAL95460.1 Hypothetical protein											
						17		17.0000												
FN1265	-0.241	13.109	1.249e-1	1.294e-1	64	76	93.4781	98.9229	AAL95461.1 Outer membrane protein											
					104	74	110.8660	74.0000												
FN1266	0.026	13.574	4.062e-1	8.932e-1	63	99	92.0175	128.8600	AAL95462.1 UTP--glucose-1-phosphate uridylyltransferase											
					119	94	126.8563	94.0000												
FN1267	-0.455	10.572	1.202e-1	1.199e-1	37	32	54.0420	41.6517	AAL95463.1 Hypothetical protein											
					35	25	37.3107	25.0000												
FN1268	-0.563	15.004	6.929e-4	1.394e-5	155	120	226.3923	156.1940	AAL95464.1 Methionyl-tRNA synthetase											
					201	142	214.2699	142.0000												
FN1269	1.095	5.280				7		9.1113	AAL95465.1 Hypothetical lipoprotein											
					4		4.2641													
FN1270	-0.934	8.035				9		11.7145	AAL95466.1 Hypothetical cytosolic protein											
					21		22.3864													
FN1271	0.718	10.732	1.407e-1	1.649e-1	9	49	13.1454	63.7792	AAL95467.1 Protease IV											
					48	42	51.1689	42.0000												
FN1273	0.357	11.696	3.223e-1	6.208e-1	4	51	5.8424	66.3824	AAL95469.1 Outer membrane protein tolC											
					90	64	95.9417	64.0000												
FN1274	0.927	8.045	1.006e-1	8.603e-2	3	16	4.3818	20.8259	AAL95470.1 Acriflavin resistance protein E											
					18	24	19.1883	24.0000												
FN1275	0.393	8.448	1.715e-1	2.418e-1	7	16	10.2242	20.8259	AAL95471.1 Acriflavin resistance protein B											
					21	22	22.3864	22.0000												

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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
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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	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1276	0.028	8.537	3.846e-1	8.16e-1	13	13	18.9877	16.9210	AAL95472.1 Hypothetical protein											
					18	22	19.1883	22.0000												
FN1277	-0.103	15.739	3.686e-1	7.621e-1	107	160	156.2837	208.2587	AAL95473.1 Aminoacyl-histidine dipeptidase											
					308	243	328.3339	243.0000												
FN1278	1.782	5.137							AAL95474.1 Acetyltransferase											
					3	11	3.1981	11.0000												
FN1279	-0.348	11.520	6.965e-2	4.101e-2	37	40	54.0420	52.0647	AAL95475.1 Zinc metallohydrolase, glyoxalase II family											
					64	44	68.2252	44.0000												
FN1280	0.758	12.654	2.161e-2	5.248e-3	40	89	58.4238	115.8439	AAL95476.1 Serine protease, V8 family											
					61	93	65.0272	93.0000												
FN1281	0.934	9.331	1.248e-3	4.666e-5	12	27	17.5271	35.1436	AAL95477.1 Cysteine protease											
					18	35	19.1883	35.0000												
FN1282	-0.221	12.809	2.555e-1	4.482e-1	80	66	116.8476	85.9067	AAL95478.1 LSU ribosomal protein L17P											
					62	71	66.0932	71.0000												
FN1283	0.506	18.113	7.992e-2	5.392e-2	287	404	419.1909	525.8531	AAL95479.1 DNA-directed RNA polymerase alpha chain											
					445	743	474.3786	743.0000												
FN1284	-0.404	17.713	2.38e-1	4.058e-1	525	324	766.8126	421.7238	AAL95480.1 SSU ribosomal protein S4P											
					281	384	299.5514	384.0000												
FN1285	-3.654	12.646	1.466e-1	1.806e-1	373	17	544.8021	22.1275	AAL95481.1 SSU ribosomal protein S11P											
					22	23	23.4524	23.0000												
FN1286	0.784	12.429	2.419e-2	6.321e-3	41	66	59.8844	85.9067	AAL95482.1 SSU ribosomal protein S13P											
					50	109	53.3010	109.0000												
FN1287	-1.206	7.823	1.397e-1	1.624e-1	24	6	35.0543	7.8097	AAL95483.1 Bacterial Protein Translation Initiation Factor 1 (IF-1)											
					10	12	10.6602	12.0000												
FN1290	-1.581	9.681	1.784e-1	2.584e-1	62	17	90.5569	22.1275	AAL95486.1 Hypothetical protein											
					8	11	8.5282	11.0000												
FN1293						4		5.2065	AAL95489.1 Hypothetical protein											
FN1297	0.580	9.368	2.583e-2	7.093e-3	12	26	17.5271	33.8420	AAL95493.1 Methionine aminopeptidase											
					23	29	24.5184	29.0000												
FN1298	-0.692	11.831	1.109e-1	1.031e-1	62	53	90.5569	68.9857	AAL95494.1 Adenylate kinase											
					59	26	62.8951	26.0000												

Show detected proteins only
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 Filter by category:

Proteins found: 1313

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Test Cutoff

q-Value

p-Value

.005

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1299	-0.068	5.287				4		5.2065	AAL95495.1 dTDP-glucose 4,6-dehydratase											
					6	7	6.3961	7.0000												
FN1301	-0.475	11.753	2.3e-1	3.849e-1	70	42	102.2417	54.6679	AAL95497.1 ABC transporter ATP-binding protein											
					34	45	36.2447	45.0000												
FN1302	-2.002	15.517	1.294e-1	1.387e-1	489	81	714.2312	105.4309	AAL95498.1 Hypothetical protein											
					143	111	152.4408	111.0000												
FN1303	-0.165	12.244	1.421e-1	1.683e-1	55	55	80.3328	71.5889	AAL95499.1 hypothetical cytosolic protein											
					63	60	67.1592	60.0000												
FN1304	-0.228	14.009	1.296e-1	1.391e-1	83	87	121.2294	113.2406	AAL95500.1 Single-strand DNA binding protein											
					147	124	156.7048	124.0000												
FN1305	-0.424	11.170	1.855e-1	2.762e-1	36	46	52.5814	59.8744	AAL95501.1 Hypothetical cytosolic protein											
					55	23	58.6311	23.0000												
FN1306	0.100	15.236				135		175.7182	AAL95502.1 Methyltransferase											
					178	231	189.7514	231.0000												
FN1309	-0.074	14.294	3.691e-1	7.639e-1	121	87	176.7321	113.2406	AAL95505.1 Hypothetical protein											
					107	163	114.0641	163.0000												
FN1313	0.047	12.160	3.583e-1	7.289e-1	51	58	74.4904	75.4938	AAL95509.1 Oligopeptide-binding protein oppA											
					55	62	58.6311	62.0000												
FN1315						6		7.8097	AAL95511.1 Hypothetical protein											
FN1317	-0.341	7.182	1.95e-1	3.013e-1	12	8	17.5271	10.4129	AAL95513.1 RNA polymerase sigma factor											
					9	11	9.5942	11.0000												
FN1318	-0.420	9.445	1.354e-1	1.52e-1	17	22	24.8301	28.6356	AAL95514.1 RNA polymerase sigma factor rpoD											
					34	17	36.2447	17.0000												
FN1319	1.201	7.970	1.214e-1	1.221e-1	7	10	10.2242	13.0162	AAL95515.1 DNA primase											
					10	35	10.6602	35.0000												
FN1320	0.117	14.990	2.657e-1	4.725e-1	116	168	169.4291	218.6716	AAL95516.1 Peptidyl-prolyl cis-trans isomerase											
					166	157	176.9592	157.0000												
FN1321	0.311	20.057	2.495e-2	6.668e-3	641	849	936.2417	1105.0725	AAL95517.1 Acetoacetate metabolism regulatory protein atoC											
					881	1221	939.1630	1221.0000												
FN1322	-0.832	9.528				19		24.7307	AAL95518.1 Membrane metalloprotease											
					34	16	36.2447	16.0000												

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
								-6		-4	-2	0	2	4	6	
FN1323	-0.420	6.197	2.669e-3	2.034e-4	7	6	10.2242	7.8097	AAL95519.1 Thymidylate kinase							
					9	7	9.5942	7.0000								
FN1324	0.333	10.799	2.213e-1	3.63e-1	15	39	21.9089	50.7630	AAL95520.1 1-deoxy-D-xylulose 5-phosphate reductoisomerase							
					50	44	53.3010	44.0000								
FN1326	-0.285	5.900							AAL95522.1 Undecaprenyl pyrophosphate synthetase							
					8	7	8.5282	7.0000								
FN1327									AAL95523.1 Dimethylallyltransferase							
						11		14.3178								
FN1330									AAL95526.1 S-adenosylmethionine:tRNA ribosyltransferase-isomerase							
	0.323	3.677														
FN1332	-0.219	10.234	1.362e-1	1.538e-1	25	21	36.5149	27.3339	AAL95528.1 Bacterial Peptide Chain Release Factor 1 (RF-1)							
					36	37	38.3767	37.0000								
FN1333									AAL95529.1 Hypothetical protein							
						7		9.1113								
FN1334	-2.289	7.508	1.342e-1	1.492e-1	35	4	51.1208	5.2065	AAL95530.1 N-acetylmuramoyl-L-alanine amidase							
					8	7	8.5282	7.0000								
FN1335	-0.725	11.755	1.196e-1	1.187e-1	40	18	58.4238	23.4291	AAL95531.1 Protein translocase subunit YajC							
					87	68	92.7437	68.0000								
FN1336	-0.739	8.354			16		23.3695		AAL95532.1 Hypothetical protein							
						14		14.0000								
FN1337	-0.188	5.803			8		11.6848		AAL95533.1 unknown							
					4	7	4.2641	7.0000								
FN1340	-0.186	16.136	3.042e-1	5.707e-1	259	173	378.2942	225.1797	AAL95536.1 Glutamyl-tRNA synthetase							
					182	278	194.0155	278.0000								
FN1341	-0.191	7.163							AAL95537.1 Bacterial Peptide Chain Release Factor 2 (RF-2)							
						8		10.4129								
FN1343									AAL95539.1 seC-independent protein TATD							
	-0.776	10.392			45	30	47.9709	30.0000								
FN1345									AAL95541.1 2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate hydrolase							
						4		4.0000								
FN1346	1.590	6.945							AAL95542.1 Hypothetical cytosolic protein							
					6	19	6.3961	19.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1347	-0.229	5.740	6.766e-2	3.884e-2	5	5	7.3030	6.5081	AAL95543.1 Hypothetical cytosolic protein							
					8	7	8.5282	7.0000								
FN1348	1.438	8.604	2.334e-2	5.951e-3	4	23	5.8424	29.9372	AAL95544.1 ABC transporter ATP-binding protein							
					17	35	18.1223	35.0000								
FN1349	0.357	6.156				7		9.1113	AAL95545.1 ABC transporter permease protein							
					7	10	7.4621	10.0000								
FN1351	-0.016	10.820	4.085e-1	9.017e-1	33	35	48.1997	45.5566	AAL95547.1 15 kDa lipoprotein precursor							
					35	39	37.3107	39.0000								
FN1352	0.047	11.397	3.625e-1	7.424e-1	32	35	46.7391	45.5566	AAL95548.1 ABC transporter ATP-binding protein							
					52	60	55.4330	60.0000								
FN1353	-0.056	7.743				9		11.7145	AAL95549.1 ABC transporter permease protein							
					14	17	14.9243	17.0000								
FN1354	-0.583	9.510				17		22.1275	AAL95550.1 ABC transporter permease protein							
					31	22	33.0466	22.0000								
FN1358	-0.455	10.899				22		28.6356	AAL95554.1 Hypothetical protein							
					48	46	51.1689	46.0000								
FN1359	0.621	18.794	1.536e-1	1.993e-1	167	760	243.9194	989.2286	AAL95555.1 Dipeptide-binding protein							
					791	683	843.2212	683.0000								
FN1362	0.703	12.295	7.088e-2	4.238e-2	25	76	36.5149	98.9229	AAL95558.1 Dipeptide transport ATP-binding protein dppD							
					70	82	74.6213	82.0000								
FN1363	0.947	11.699	5.358e-2	2.605e-2	16	70	23.3695	91.1132	AAL95559.1 Dipeptide transport ATP-binding protein dppF							
					56	69	59.6971	69.0000								
FN1364					30		43.8179		AAL95560.1 LSU ribosomal protein L32P							
FN1365	0.750	14.686	1.07e-1	9.628e-2	43	136	62.8056	177.0199	AAL95561.1 GTP-binding protein							
					176	244	187.6194	244.0000								
FN1366	-0.376	14.422	1.007e-1	8.614e-2	99	83	144.5990	108.0342	AAL95562.1 Triosephosphate isomerase							
					181	152	192.9495	152.0000								
FN1368						4		4.0000	AAL95564.1 COMF operon protein 3							
FN1371	0.230	4.414							AAL95567.1 Ribonuclease HII							
					4	5	4.2641	5.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1373						5		5.0000	AAL95569.1 regulatory protein							
FN1374	0.100	5.900				7	8	7.4621	8.0000	AAL95570.1 Transcriptional regulator						
FN1375	-1.210	12.234				99	34	105.5359	34.0000	AAL95571.1 Citrate-sodium symport						
FN1376	0.724	19.389	8.708e-2	6.465e-2	282	647	411.8879	842.1459	AAL95572.1 Oxaloacetate decarboxylase alpha chain							
FN1377							9		11.7145	AAL95573.1 CITG protein						
FN1378	0.229	9.451			5	22	7.3030	28.6356	AAL95574.1 Citrate lyase acyl carrier protein							
FN1379	0.559	16.866	2.039e-1	3.218e-1	60	328	87.6357	426.9302	AAL95575.1 Citrate lyase beta chain							
FN1380	0.404	18.871	3.009e-1	5.619e-1	81	431	118.3082	560.9967	AAL95576.1 Citrate lyase beta chain							
FN1382	-0.985	6.600				13	7	13.8583	7.0000	AAL95578.1 ATPase						
FN1383	0.715	7.130	9.362e-2	7.579e-2	9	11	13.1454	14.3178	AAL95579.1 DNA polymerase III alpha subunit							
FN1385	1.796	5.150					4		5.2065	AAL95581.1 Hypothetical protein						
FN1386	1.199	8.302					16		20.8259	AAL95582.1 SWF/SNF family helicase						
FN1391	-0.662	11.201	7.426e-2	4.638e-2	50	37	73.0298	48.1598	AAL95584.1 Acetyltransferase							
FN1392	-1.173	13.206	1.734e-1	2.466e-1	167	48	243.9194	62.4776	AAL95585.1 SSU ribosomal protein S16P							
FN1393	1.375	9.546	3.124e-2	9.79e-3	5	30	7.3030	39.0485	AAL95586.1 Signal recognition particle, subunit FFH/SRP54							
FN1397	-0.513	11.976	1.751e-1	2.505e-1	33	44	48.1997	57.2711	AAL95590.1 Glutaminase							

Show detected proteins only
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 Filter by category:

Proteins found:
1313

Enter (or paste) list of ORFs

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1398	-0.419	11.378	2.868e-1	5.25e-1	16	34	23.3695	44.2550	AAL95591.1 Amino acid carrier protein alsT							
					90	45	95.9417	45.0000								
FN1399									AAL95592.1 Hypothetical cytosolic protein							
FN1400									AAL95593.1 serine/threonine kinase							
FN1406	0.065	12.427	4.069e-1	8.956e-1	22	59	32.1331	76.7954	AAL95599.1 Histidine ammonia-lyase							
					106	75	112.9980	75.0000								
FN1407	-0.042	10.142							AAL95600.1 Glutamate formiminotransferase							
					32	22	34.1126	22.0000								
FN1411	0.940	18.282	3.584e-2	1.251e-2	196	594	286.2767	773.1602	AAL95604.1 Threonine dehydratase							
					496	791	528.7456	791.0000								
FN1412	-1.714	8.023							AAL95605.1 5-methylthioribose kinase							
FN1413	-1.868	5.868							AAL95606.1 Translation initiation factor EIF-2B subunit 1							
FN1415	0.144	7.257							AAL95608.1 NADH-dependent butanol dehydrogenase A							
					11		16.0666									
FN1416	-2.677	6.677							AAL95609.1 Transcriptional regulator, GntR family							
					24	4	25.5845	4.0000								
FN1417	-0.201	6.848	2.65e-1	4.708e-1	7	10	10.2242	13.0162	AAL95610.1 L-fucose phosphate aldolase							
					12	7	12.7922	7.0000								
FN1418	-0.344	3.919							AAL95611.1 Transcriptional regulator, GntR family							
FN1419	-0.834	24.301	1.532e-1	1.982e-1	6075	2104	8873.1176	2738.6012	AAL95612.1 Methionine gamma-lyase							
					3065	4072	3267.3491	4072.0000								
FN1420									AAL95613.1 NA+/H+ antiporter NHAC							
					44		64.2662									
FN1421	-0.421	21.950	2.063e-1	3.271e-1	2193	1356	3203.0859	1764.9921	AAL95614.1 Pyruvate-flavodoxin oxidoreductase							
					1365	1714	1455.1163	1714.0000								
FN1423	1.226	14.689	4.488e-2	1.858e-2	36	186	52.5814	242.1007	AAL95616.1 Flavoprotein							
					150	255	159.9029	255.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1424	1.643	16.405	1.887e-2	4.262e-3	45	362	65.7268	471.1852	AAL95617.1 ACYL-COA dehydrogenase, short-chain specific							
					251	570	267.5708	570.0000								
FN1426	1.070	15.537	7.141e-2	4.299e-2	44	232	64.2662	301.9750	AAL95619.1 Serine protease							
					222	330	236.6563	330.0000								
FN1427									AAL95620.1 Phenazine biosynthesis protein phzF							
					10		10.6602									
FN1432									AAL95625.1 Leucine-, isoleucine-, valine-, threonine-, and alanine-binding protein							
						4		4.0000								
FN1433	-0.581	15.783	8.306e-4	2.149e-5	202	150	295.0403	195.2425	AAL95626.1 Short chain dehydrogenase							
					268	193	285.6932	193.0000								
FN1434	0.447	13.985	1.195e-1	1.186e-1	53	114	77.4116	148.3843	AAL95627.1 Tetratricopeptide repeat family protein							
					132	149	140.7145	149.0000								
FN1437	-0.852	12.982	1.088e-1	9.949e-2	110	56	160.6655	72.8905	AAL95630.1 LSU ribosomal protein L28P							
					76	61	81.0175	61.0000								
FN1439	-1.461	7.770				6		7.8097	AAL95632.1 Transcriptional regulator, DeoR family							
					23	10	24.5184	10.0000								
FN1440	-0.941	9.564	4.847e-2	2.137e-2	23	9	33.5937	11.7145	AAL95633.1 1-phosphofructokinase							
					40	28	42.6408	28.0000								
FN1441	1.148	12.880	4.152e-2	1.608e-2	20	111	29.2119	144.4794	AAL95634.1 PTS system, fructose-specific IIABC component							
					82	114	87.4136	114.0000								
FN1444	-0.356	17.577	4.469e-2	1.842e-2	374	274	546.2627	356.6429	AAL95637.1 GMP synthase (glutamine-hydrolyzing)							
					426	425	454.1242	425.0000								
FN1445	-0.401	8.302	1.329e-1	1.462e-1	17	13	24.8301	16.9210	AAL95638.1 DNA helicase							
					15	14	15.9903	14.0000								
FN1448									AAL95641.1 Hypothetical cytosolic protein							
						4		4.0000								
FN1449	-1.330	10.579	6.598e-2	3.709e-2	55	21	80.3328	27.3339	AAL95642.1 Fusobacterium outer membrane protein family							
					41	22	43.7068	22.0000								
FN1450	0.976	9.500				29		37.7469	AAL95643.1 Integral membrane protein							
					18		19.1883									
FN1451	0.625	15.589	2.416e-3	1.684e-4	120	204	175.2715	265.5298	AAL95644.1 Cell division protein ftsZ							
					171	286	182.2893	286.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios				
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description								
										-6	-4	-2	0	2	4	6	
FN1452	0.325	14.157	8.838e-2	6.682e-2	96	108	140.2172	140.5746	AAL95645.1 Cell division protein ftsA								
					95	162	101.2718	162.0000									
FN1454	0.113	9.082				8		10.4129	AAL95647.1 D-alanine--D-alanine ligase								
					21	38	22.3864	38.0000									
FN1455	-0.170	8.801	2.695e-1	4.816e-1	19	16	27.7513	20.8259	AAL95648.1 UDP-N-acetylenolpyruvoylglucosamine reductase								
					16	19	17.0563	19.0000									
FN1456	0.191	11.853	6.143e-2	3.269e-2	40	53	58.4238	68.9857	AAL95649.1 UDP-N-acetylmuramate--alanine ligase								
					52	61	55.4330	61.0000									
FN1457	0.203	11.144	3.468e-1	6.931e-1	14	50	20.4483	65.0808	AAL95650.1 UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-								
					64	37	68.2252	37.0000									
FN1458	-0.401	12.411	2.487e-1	4.318e-1	84	38	122.6900	49.4614	AAL95651.1 UDP-N-acetylmuramoylalanine--D-glutamate ligase								
					44	79	46.9048	79.0000									
FN1461	-0.451	9.264	1.945e-1	2.999e-1	20	8	29.2119	10.4129	AAL95654.1 Histidinol-phosphatase								
					27	32	28.7825	32.0000									
FN1462						3		3.9048	AAL95655.1 Transcriptional regulator, GntR family								
FN1463	0.222	17.197	1.422e-1	1.686e-1	285	332	416.2697	432.1367	AAL95656.1 pyridoxine biosynthesis protein								
					283	405	301.6835	405.0000									
FN1464	0.648	16.496	1.192e-1	1.179e-1	91	302	132.9142	393.0882	AAL95657.1 1-deoxyxylulose-5-phosphate synthase								
					331	368	352.8524	368.0000									
FN1470	-1.764	6.380	5.236e-2	2.485e-2	15	3	21.9089	3.9048	AAL95663.1 Hypothetical protein								
					11	6	11.7262	6.0000									
FN1471						3		3.9048	AAL95664.1 LACI-family transcription regulator								
						4		4.0000									
FN1472	-0.154	9.518	3.807e-1	8.026e-1	7	21	10.2242	27.3339	AAL95665.1 N-acetylneuraminate-binding protein								
					44	24	46.9048	24.0000									
FN1475	-0.916	7.560			20		29.2119		AAL95668.1 N-acetylneuraminate lyase								
					8	10	8.5282	10.0000									
FN1478	-0.235	8.996				16		20.8259	AAL95671.1 Hypothetical protein								
					23		24.5184										
FN1479	0.140	9.019	3.305e-1	6.446e-1	10	16	14.6060	20.8259	AAL95672.1 Hypothetical protein								
					27	27	28.7825	27.0000									

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1480	0.763	9.477	5.914e-3	7.434e-4	12	25	17.5271	32.5404	AAL95673.1 MG2+ transporter MGTE							
					22	37	23.4524	37.0000								
FN1481	-0.602	7.232	1.709e-1	2.403e-1	9	3	13.1454	3.9048	AAL95674.1 Queuine tRNA-ribosyltransferase							
					16	16	17.0563	16.0000								
FN1482	0.879	12.407	3.005e-2	9.148e-3	35	66	51.1208	85.9067	AAL95675.1 Guanosine-3',5'-bis (Diphosphate) 3'-pyrophosphohydrolase							
					54	114	57.5650	114.0000								
FN1483	-0.344	9.581	4.053e-2	1.54e-2	23	17	33.5937	22.1275	AAL95676.1 Adenine phosphoribosyltransferase							
					27	27	28.7825	27.0000								
FN1484						4		5.2065	AAL95677.1 Tetratricopeptide repeat family protein							
						10		10.0000								
FN1485									AAL95678.1 Transporter							
						4		4.0000								
FN1486									AAL95679.1 magnesium and cobalt efflux protein CorC							
						5		5.0000								
FN1487	0.443	13.807	1.471e-1	1.82e-1	45	110	65.7268	143.1778	AAL95681.1 Chorismate mutase							
					131	136	139.6485	136.0000								
FN1488	-0.402	8.577			22		32.1331		AAL95682.1 Methylenetetrahydrofolate dehydrogenase (NADP+)							
					12	17	12.7922	17.0000								
FN1489	0.216	8.901	1.864e-1	2.785e-1	11	17	16.0666	22.1275	AAL95683.1 Methionyl-tRNA formyltransferase							
					23	25	24.5184	25.0000								
FN1490	0.828	9.215	1.076e-1	9.738e-2	9	33	13.1454	42.9533	AAL95684.1 putative regulatory protein							
					22	22	23.4524	22.0000								
FN1491	0.777	7.605				15		19.5242	AAL95685.1 PTS system, IIA component							
					10	17	10.6602	17.0000								
FN1492									AAL95686.1 DNA repair protein recO							
						4		4.0000								
FN1493	-1.000	6.049	8.03e-3	1.268e-3	7	5	10.2242	6.5081	AAL95687.1 Hypothetical protein							
					12	5	12.7922	5.0000								
FN1494	0.033	6.861				6		7.8097	AAL95680.1 Rod shape-determining protein mreC							
					10	14	10.6602	14.0000								
FN1496	0.033	6.861				6		7.8097	AAL95680.1 Rod shape-determining protein mreC							
					10	14	10.6602	14.0000								

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1499	-1.272	10.444	1.659e-1	2.285e-1	13	20	18.9877	26.0323	AAL93625.1 Cell surface protein				■							
					91	22	97.0078	22.0000												
FN1504	0.694	13.114	1.224e-1	1.242e-1	43	121	62.8056	157.4956	AAL93630.1 Nickel-binding protein				■							
					80	82	85.2815	82.0000												
FN1505	-0.443	15.941	6.778e-2	3.897e-2	172	183	251.2224	238.1958	AAL93631.1 6,7-dimethyl-8-ribityllumazine synthase				■							
					313	192	333.6640	192.0000												
FN1506	-1.209	7.549			19		27.7513		AAL93632.1 Diaminohydroxyphosphoribosylaminopyrimidine deaminase				■							
					13	9	13.8583	9.0000												
FN1507									AAL93633.1 Riboflavin synthase alpha chain											
						8		8.0000												
FN1508	-0.792	12.746	1.003e-1	8.55e-2	53	33	77.4116	42.9533	AAL93634.1 GTP cyclohydrolase II				■							
					132	83	140.7145	83.0000												
FN1517	-0.411	15.052	1.736e-1	2.47e-1	102	115	148.9807	149.6859	AAL93643.1 Leucyl-tRNA synthetase				■							
					259	170	276.0990	170.0000												
FN1518									AAL93644.1 RNA polymerase sigma-H factor											
						6		6.0000												
FN1519	0.452	8.038				13		16.9210	AAL93645.1 23S rRNA methyltransferase				■							
					13	21	13.8583	21.0000												
FN1520	0.100	10.114	3.942e-1	8.496e-1	9	23	13.1454	29.9372	AAL93646.1 UDP-N-acetylglucosamine 1-carboxyvinyltransferase											
					48	39	51.1689	39.0000												
FN1523	-0.203	13.000	1.072e-1	9.664e-2	68	72	99.3205	93.7164	AAL93649.1 Dipeptide-binding protein				■							
					89	75	94.8757	75.0000												
FN1526	-2.198	20.190	1.055e-1	9.383e-2	2501	332	3652.9493	432.1367	AAL93652.1 Fusobacterium outer membrane protein family				■							
					968	589	1031.9067	589.0000												
FN1527	-0.218	9.840	1.995e-1	3.118e-1	25	17	36.5149	22.1275	AAL93653.1 Hypothetical protein				■							
					27	34	28.7825	34.0000												
FN1528	0.007	11.708	4.299e-1	9.843e-1	52	33	75.9510	42.9533	AAL93654.1 Hypothetical protein											
					37	73	39.4427	73.0000												
FN1529	-2.247	10.339	1.041e-1	9.151e-2	84	20	122.6900	26.0323	AAL93655.1 Hypothetical protein				■							
					32	7	34.1126	7.0000												
FN1531	0.663	10.961	9.296e-2	7.46e-2	15	41	21.9089	53.3663	AAL93657.1 murein hydrolase export regulator				■							
					46	59	49.0369	59.0000												

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Proteins found: 1313

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Test Cutoff

q-Value p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1533	-0.991	18.717	1.852e-1	2.753e-1	1043	329	1523.4011	428.2318	AAL93659.1 Electron transfer flavoprotein alpha-subunit											
					307	503	327.2679	503.0000												
FN1534	-0.777	20.252	1.727e-1	2.449e-1	1502	651	2193.8144	847.3524	AAL93660.1 Electron transfer flavoprotein beta-subunit											
					686	860	731.2892	860.0000												
FN1535	-0.565	21.956	3.373e-2	1.122e-2	1883	1107	2750.3013	1440.8895	AAL93661.1 Acyl-CoA dehydrogenase, short-chain specific											
					2023	1875	2156.5570	1875.0000												
FN1536	-0.292	20.828	1.193e-1	1.182e-1	905	806	1321.8389	1049.1029	AAL93662.1 (S)-2-hydroxy-acid oxidase chain D											
					1593	1417	1698.1687	1417.0000												
FN1537	-0.225	4.868			4		5.8424		AAL93663.1 Arsenical pump-driving ATPase											
						5		5.0000												
FN1538	0.783	8.680	4.243e-2	1.672e-2	8	17	11.6848	22.1275	AAL93664.1 Arsenical pump-driving ATPase											
					18	31	19.1883	31.0000												
FN1539	-0.510	15.861	1.176e-1	1.149e-1	246	162	359.3065	210.8619	AAL93665.1 Iron-sulfur cluster-binding protein											
					209	198	222.7980	198.0000												
FN1540	-0.281	17.811	1.944e-1	2.997e-1	450	355	657.2680	462.0739	AAL93666.1 Iron-sulfur cluster-binding protein											
					375	408	399.7572	408.0000												
FN1544	-0.315	18.849	2.807e-1	5.095e-1	762	428	1112.9738	557.0919	AAL93670.1 Probable electron transfer flavoprotein-quinone oxidoreductase ydiS											
					394	675	420.0116	675.0000												
FN1545	-1.939	12.421	1.475e-1	1.832e-1	173	32	252.6830	41.6517	AAL93671.1 Ferredoxin like protein											
					35	34	37.3107	34.0000												
FN1546	-0.526	21.541	2.201e-1	3.6e-1	2138	1041	3122.7532	1354.9828	AAL93672.1 Protein Translation Elongation Factor G (EF-G)											
					1003	1557	1069.2173	1557.0000												
FN1547	-0.143	13.916	2.21e-1	3.623e-1	76	95	111.0053	123.6536	AAL93673.1 PTS permease for N-acetylglucosamine and glucose											
					141	113	150.3087	113.0000												
FN1548	0.120	9.855	3.86e-1	8.207e-1	21	38	30.6725	49.4614	AAL93674.1 Hypothetical protein											
					26	14	27.7165	14.0000												
FN1549	0.348	18.942	1.557e-1	2.042e-1	362	750	528.7356	976.2124	AAL93675.1 Stomatin like protein											
					684	625	729.1572	625.0000												
FN1552	1.078	5.262							AAL93678.1 abortive phage resistance protein											
					4	9	4.2641	9.0000												
FN1553	0.978	7.942	1.243e-1	1.279e-1	8	10	11.6848	13.0162	AAL93679.1 abortive phage resistance protein											
					10	31	10.6602	31.0000												

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Proteins found: 1313

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Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

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

Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1554	-0.451	15.586	8.303e-2	5.837e-2	158	114	230.7741	148.3843	AAL93680.1 Fusobacterium outer membrane protein family											
					270	231	287.8252	231.0000												
FN1555	0.168	23.924	2.456e-3	1.746e-4	2528	3291	3692.3854	4283.6201	AAL93681.1 Protein Translation Elongation Factor Tu											
					3600	4174	3837.6694	4174.0000												
FN1556	-0.413	18.954	9.26e-2	7.395e-2	621	372	907.0298	484.2014	AAL93682.1 Protein Translation Elongation Factor G (EF-G)											
					692	751	737.6853	751.0000												
FN1557	-0.358	14.678	1.171e-3	4.066e-5	124	113	181.1138	147.0827	AAL93683.1 SSU ribosomal protein S7P											
					174	139	185.4874	139.0000												
FN1558					128		186.9562		AAL93684.1 SSU ribosomal protein S12P											
					32		34.1126													
FN1560	1.286	14.864	8.326e-2	5.871e-2	12	200	17.5271	260.3233	AAL93686.1 unknown											
					191	279	203.6097	279.0000												
FN1562	1.011	6.833	4.761e-2	2.068e-2	3	11	4.3818	14.3178	AAL93688.1 Phospho-2-dehydro-3-deoxyheptonate aldolase											
					10	16	10.6602	16.0000												
FN1576						5		6.5081	AAL93691.1 ATPases and helicase subunits involved in DNA replication											
FN1577	0.696	16.606	7.488e-2	4.715e-2	112	325	163.5867	423.0254	AAL93692.1 Rod shape-determining protein mreB											
					312	381	332.5980	381.0000												
FN1579	0.292	13.243	1.894e-1	2.863e-1	43	76	62.8056	98.9229	AAL93694.1 CysteinyI-tRNA synthetase											
					108	119	115.1301	119.0000												
FN1580						3		3.0000	AAL93695.1 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase											
FN1581	0.985	11.419	3.48e-2	1.189e-2	21	67	30.6725	87.2083	AAL93696.1 DNA mismatch repair protein mutS											
					41	60	43.7068	60.0000												
FN1582	-0.040	9.063				12		15.6194	AAL93697.1 Hypothetical protein											
					22	30	23.4524	30.0000												
FN1586	-0.890	7.635				9		11.7145	AAL93701.1 O-succinylbenzoate-CoA synthase											
					18	9	19.1883	9.0000												
FN1589	0.973	9.052	8.254e-2	5.765e-2	5	25	7.3030	32.5404	AAL93704.1 LexA repressor											
					24	32	25.5845	32.0000												
FN1590	-0.431	4.397				3		3.9048	AAL93705.1 Hypothetical lipoprotein											
					5	4	5.3301	4.0000												

Show detected proteins only
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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1591	0.041	15.046	3.943e-1	8.498e-1	141	173	205.9440	225.1797	AAL93706.1 RNFB-related protein							
					147	148	156.7048	148.0000								
FN1592	-1.208	6.378							AAL93707.1 Na(+)-translocating NADH-quinone reductase subunit D							
					13	6	13.8583	6.0000								
FN1594	-0.252	10.508	2.101e-1	3.36e-1	22	23	32.1331	29.9372	AAL93709.1 Nitrogen fixation protein RNFG							
					48	40	51.1689	40.0000								
FN1595	-0.471	14.033	2.854e-1	5.215e-1	35	76	51.1208	98.9229	AAL93710.1 Na(+)-translocating NADH-quinone reductase subunit B							
					238	121	253.7126	121.0000								
FN1596	-0.833	18.228	1.435e-1	1.721e-1	722	359	1054.5499	467.2803	AAL93711.1 Nitrogen fixation iron-sulphur protein RNFC							
					398	363	424.2757	363.0000								
FN1597					20		29.2119		AAL93712.1 Peptidyl-trRNA hydrolase							
FN1600	-0.796	6.307				5		6.5081	AAL93715.1 tRNA pseudouridine synthase A							
					11	7	11.7262	7.0000								
FN1601						5		6.5081	AAL93716.1 Hypothetical cytosolic protein							
						12		12.0000								
FN1603	-0.344	4.749			4	4	5.8424	5.2065	AAL93718.1 2',3'-cyclic nucleotide 3'-phosphodiesterase							
						4		4.0000								
FN1605	-0.006	16.615	4.282e-1	9.776e-1	169	240	246.8406	312.3880	AAL93720.1 Adenylosuccinate synthetase							
					364	320	388.0310	320.0000								
FN1606	0.749	9.406	4.704e-2	2.022e-2	10	25	14.6060	32.5404	AAL93721.1 3-deoxy-D-manno-octulosonic-acid transferase							
					24	35	25.5845	35.0000								
FN1607	0.062	8.510	3.944e-1	8.503e-1	11	10	16.0666	13.0162	AAL93722.1 Cytidylate kinase							
					20	26	21.3204	26.0000								
FN1608	0.087	6.271				7		9.1113	AAL93723.1 Ribosomal protein L11 methyltransferase							
					8	9	8.5282	9.0000								
FN1609	-1.523	5.832				3		3.9048	AAL93724.1 Hypothetical protein							
					12	5	12.7922	5.0000								
FN1610	-0.161	10.547	3.236e-2	1.041e-2	29	27	42.3573	35.1436	AAL93725.1 33 kDa chaperonin							
					37	38	39.4427	38.0000								
FN1613	-0.112	8.610	3.461e-1	6.909e-1	15	10	21.9089	13.0162	AAL93728.1 Hypothetical protein							
					18	25	19.1883	25.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1614	-0.920	8.975	2.841e-2	8.311e-3	24	12	35.0543	15.6194	AAL93729.1 MG(2+) chelatase family protein											
					25	17	26.6505	17.0000					■							
FN1616	-0.507	7.677							AAL93731.1 N utilization substance protein B											
					16	12	17.0563	12.0000					■							
FN1618	0.500	10.996	1.242e-1	1.277e-1	17	38	24.8301	49.4614	AAL93733.1 Hypothetical protein											
					48	58	51.1689	58.0000					■							
FN1619	0.010	15.674	4.265e-1	9.71e-1	134	129	195.7198	167.9085	AAL93734.1 Hypothetical cytosolic protein											
					244	291	260.1087	291.0000												
FN1620	-0.455	17.483	1.904e-1	2.889e-1	468	296	683.5587	385.2785	AAL93735.1 SSU ribosomal protein S2P											
					299	346	318.7398	346.0000					■							
FN1621	-0.957	19.151	7.665e-2	4.943e-2	923	379	1348.1296	493.3127	AAL93736.1 Protein Translation Elongation Factor Ts											
					730	602	778.1941	602.0000					■							
FN1622	0.105	13.423	3.79e-1	7.969e-1	53	51	77.4116	66.3824	AAL93737.1 Uridylate kinase											
					117	151	124.7243	151.0000												
FN1623	-1.182	9.427	2.799e-2	8.104e-3	22	16	32.1331	20.8259	AAL93738.1 Ribosome Recycling Factor (RRF)											
					44	14	46.9048	14.0000					■							
FN1624	-0.304	8.800							AAL93739.1 Protein translocase subunit secY											
					22	19	23.4524	19.0000					■							
FN1625	-0.240	12.596	3.144e-1	5.987e-1	85	59	124.1506	76.7954	AAL93740.1 LSU ribosomal protein L15P											
					44	68	46.9048	68.0000					■							
FN1626	-0.940	5.584							AAL93741.1 LSU ribosomal protein L30P											
					9	5	9.5942	5.0000					■							
FN1627	-0.117	16.142	1.286e-1	1.369e-1	193	184	281.8949	239.4974	AAL93742.1 SSU ribosomal protein S5P											
					261	277	278.2310	277.0000					■							
FN1628	-4.097	12.028			183	12	267.2890	15.6194	AAL93743.1 LSU ribosomal protein L18P											
													■							
FN1629	-0.844	16.119	1.659e-1	2.283e-1	369	167	538.9597	217.3700	AAL93744.1 LSU ribosomal protein L6P											
					165	181	175.8932	181.0000					■							
FN1630	-0.217	12.465	6.395e-2	3.507e-2	57	58	83.2539	75.4938	AAL93745.1 SSU ribosomal protein S8P											
					74	64	78.8854	64.0000					■							
FN1631	-0.449	4.379				3		3.9048	AAL93746.1 SSU ribosomal protein S14P											
					5		5.3301						■							

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Test Cutoff

Signif	Direction	Applies To
■	yes	+
■	no	n/a
■	yes	-
■	yes	+
■	yes	-

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios							
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg									
												-6	-4	-2	0	2	4
FN1632	0.107	15.729	2.263e-1	3.754e-1	152	208	222.0105	270.7362	AAL93747.1 LSU ribosomal protein L5P								
					213	213	227.0621	213.0000									
FN1634	-2.020	10.182			47	13	68.6480	16.9210	AAL93749.1 LSU ribosomal protein L24P								
FN1635	-0.675	7.774	3.498e-2	1.201e-2	11	8	16.0666	10.4129	AAL93750.1 LSU ribosomal protein L14P								
					20	13	21.3204	13.0000									
FN1636	1.554	10.981	3.977e-2	1.49e-2	6	60	8.7636	78.0970	AAL93751.1 SSU ribosomal protein S17P								
					41	76	43.7068	76.0000									
FN1638	-1.226	11.299	9.84e-2	8.267e-2	73	22	106.6235	28.6356	AAL93753.1 LSU ribosomal protein L16P								
					44	37	46.9048	37.0000									
FN1639	-0.471	18.371	1.656e-1	2.276e-1	619	355	904.1086	462.0739	AAL93754.1 SSU ribosomal protein S3P								
					438	527	466.9164	527.0000									
FN1640	-1.408	11.980	8.823e-2	6.657e-2	98	30	143.1384	39.0485	AAL93755.1 LSU ribosomal protein L22P								
					60	39	63.9612	39.0000									
FN1641	-2.874	11.348	9.194e-2	7.279e-2	147	9	214.7075	11.7145	AAL93756.1 SSU ribosomal protein S19P								
					58	26	61.8291	26.0000									
FN1642	-0.375	15.662	3.009e-1	5.621e-1	285	175	416.2697	227.7829	AAL93757.1 LSU ribosomal protein L2P								
					96	172	102.3379	172.0000									
FN1643	-1.746	12.047	1.294e-1	1.385e-1	131	30	191.3380	39.0485	AAL93758.1 LSU ribosomal protein L23P								
					44	32	46.9048	32.0000									
FN1644	0.352	19.284	1.219e-1	1.231e-1	594	721	867.5937	938.4655	AAL93759.1 LSU ribosomal protein L1E								
					513	867	546.8679	867.0000									
FN1645	-1.309	14.463	1.333e-1	1.471e-1	248	76	362.2277	98.9229	AAL93760.1 LSU ribosomal protein L3P								
					104	92	110.8660	92.0000									
FN1646	-0.808	14.268	1.432e-1	1.714e-1	180	84	262.9072	109.3358	AAL93761.1 SSU ribosomal protein S10P								
					102	103	108.7340	103.0000									
FN1647	-1.585	15.347	1.509e-1	1.925e-1	409	82	597.3836	106.7326	AAL93762.1 Hypothetical protein								
					103	129	109.8000	129.0000									
FN1652	0.383	11.998	3.084e-2	9.571e-3	38	60	55.5026	78.0970	AAL93767.1 Oligopeptide-binding protein oppA								
					53	68	56.4990	68.0000									
FN1654	1.045	12.905	6.716e-2	3.832e-2	20	98	29.2119	127.5584	AAL93769.1 Hypothetical protein								
					87	124	92.7437	124.0000									

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
											-6	-4	-2	0	2	4
FN1655	1.019	14.012	8.593e-2	6.28e-2	82	96	119.7688	124.9552	AAL93770.1 Hypothetical cytosolic protein							
					57	241	60.7631	241.0000								
FN1657	-1.150	12.696	1.914e-1	2.915e-1	145	41	211.7863	53.3663	AAL93772.1 SSU ribosomal protein S6P							
					29	56	30.9146	56.0000								
FN1658	0.548	13.374	1.277e-2	2.44e-3	59	90	86.1751	117.1455	AAL93773.1 Prolyl-tRNA synthetase							
					79	132	84.2155	132.0000								
FN1660									AAL93775.1 ATP-dependent DNA helicase recG							
						5		5.0000								
FN1661	-0.723	9.557	1.101e-2	1.97e-3	22	19	32.1331	24.7307	AAL93776.1 Hypothetical cytosolic protein							
					36	18	38.3767	18.0000								
FN1662	0.783	10.104	4.415e-2	1.8e-2	12	30	17.5271	39.0485	AAL93777.1 Hypothetical protein							
					31	48	33.0466	48.0000								
FN1663	0.096	6.620				5		6.5081	AAL93778.1 Hypothetical protein							
					9	14	9.5942	14.0000								
FN1667	-0.547	3.716			3		4.3818		AAL93782.1 dTDP-glucose 4,6-dehydratase							
						3		3.0000								
FN1668	-0.829	3.999							AAL93783.1 Cholinephosphate cytidyltransferase							
					5	3	5.3301	3.0000								
FN1670	-0.004	10.019	4.282e-1	9.776e-1	23	21	33.5937	27.3339	AAL93785.1 Choline kinase							
					29	37	30.9146	37.0000								
FN1676									AAL93791.1 Transposase							
						3		3.0000								
FN1679	0.299	18.089	1.499e-1	1.9e-1	249	423	363.6883	550.5838	AAL93794.1 LPS biosynthesis protein WbpG							
					552	621	588.4426	621.0000								
FN1683	0.552	10.547	8.934e-2	6.837e-2	16	42	23.3695	54.6679	AAL93798.1 Acetyltransferase							
					38	39	40.5087	39.0000								
FN1684	-0.793	16.631	7.831e-2	5.166e-2	358	146	522.8932	190.0360	AAL93799.1 N-acetylneuraminatase synthase							
					296	294	315.5417	294.0000								
FN1685	-0.455	11.975	2.275e-1	3.784e-1	74	41	108.0841	53.3663	AAL93800.1 dTDP-4-dehydrorhamnose reductase							
					38	55	40.5087	55.0000								
FN1686	-0.213	16.055	3.157e-1	6.022e-1	270	168	394.3608	218.6716	AAL93801.1 Spore coat polysaccharide biosynthesis protein spsF							
					157	266	167.3650	266.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1687	-0.183	15.256	1.884e-1	2.837e-1	147	117	214.7075	152.2891	AAL93802.1 Gluconate 5-dehydrogenase											
					194	219	206.8077	219.0000												
FN1688	-1.666	12.786	1.371e-1	1.559e-1	167	31	243.9194	40.3501	AAL93803.1 Oxidoreductase											
					52	54	55.4330	54.0000												
FN1689	-0.291	16.414	5.993e-2	3.134e-2	241	226	352.0035	294.1653	AAL93804.1 UDP-N-acetylglucosamine 4,6-dehydratase											
					283	240	301.6835	240.0000												
FN1690	-0.231	11.021	2.826e-1	5.143e-1	45	27	65.7268	35.1436	AAL93805.1 Hypothetical protein											
					31	49	33.0466	49.0000												
FN1692	0.605	10.687	1.438e-3	6.615e-5	21	37	30.6725	48.1598	AAL93807.1 Glycosyl transferase											
					33	52	35.1786	52.0000												
FN1693	-0.547	7.634	1.491e-1	1.877e-1	8	11	11.6848	14.3178	AAL93808.1 Hypothetical protein											
					21	9	22.3864	9.0000												
FN1694	-0.437	11.220	1.945e-1	3.001e-1	53	33	77.4116	42.9533	AAL93809.1 UDP-N-acetyl-D-quinovosamine 4-epimerase											
					34	41	36.2447	41.0000												
FN1695	0.507	8.117	1.551e-1	2.027e-1	6	19	8.7636	24.7307	AAL93810.1 Probable quinovosaminephosphotransferase											
					18	15	19.1883	15.0000												
FN1696	0.407	15.275	9.183e-2	7.259e-2	93	161	135.8354	209.5603	AAL93811.1 UDP-N-acetylglucosamine 4,6-dehydratase											
					197	249	210.0058	249.0000												
FN1697	0.276	13.528	2.76e-1	4.976e-1	36	100	52.5814	130.1617	AAL93812.1 Hypothetical protein											
					136	109	144.9786	109.0000												
FN1698	0.576	15.233	8.787e-2	6.597e-2	77	183	112.4659	238.1958	AAL93813.1 dTDP-4-dehydrorhamnose reductase											
					196	241	208.9398	241.0000												
FN1700								3.9048	AAL93815.1 Hypothetical protein											
FN1701	0.680	11.303	1.601e-2	3.37e-3	23	44	33.5937	57.2711	AAL93816.1 ABC transporter ATP-binding protein											
					43	70	45.8388	70.0000												
FN1703	0.128	14.669	3.682e-1	7.608e-1	56	144	81.7933	187.4328	AAL93818.1 ADP-L-glycero-D-mannoheptose-6-epimerase											
					213	150	227.0621	150.0000												
FN1704	0.401	7.002	1.814e-1	2.657e-1	4	10	5.8424	13.0162	AAL93819.1 Serine protease											
					13	13	13.8583	13.0000												
FN1708	0.212	17.821	1.129e-2	2.045e-3	294	406	429.4151	528.4563	AAL93823.1 Polyribonucleotide nucleotidyltransferase											
					436	507	464.7844	507.0000												

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1735	0.965	14.678	5.033e-2	2.297e-2	47	184	68.6480	239.4974	AAL93850.1 V-type sodium ATP synthase subunit A							
					153	213	163.1009	213.0000								
FN1736	0.829	10.854	4.839e-2	2.131e-2	15	42	21.9089	54.6679	AAL93851.1 V-type sodium ATP synthase subunit A							
					40	60	42.6408	60.0000								
FN1737	1.553	6.413	3.046e-3	2.633e-4	3	12	4.3818	15.6194	AAL93852.1 V-type sodium ATP synthase subunit G							
					6	16	6.3961	16.0000								
FN1738	-0.128	13.021	3.688e-1	7.629e-1	94	61	137.2960	79.3986	AAL93853.1 V-type sodium ATP synthase subunit C							
					50	95	53.3010	95.0000								
FN1739	-0.410	5.814			6	5	8.7636	6.5081	AAL93854.1 V-type sodium ATP synthase subunit E							
					8		8.5282									
FN1740	-0.791	14.457							AAL93855.1 V-type sodium ATP synthase subunit K							
					185	114	197.2136	114.0000								
FN1741	0.162	10.274	1.494e-1	1.884e-1	20	28	29.2119	36.4453	AAL93856.1 V-type sodium ATP synthase subunit I							
					35	38	37.3107	38.0000								
FN1742					9		13.1454		AAL93857.1 V-type sodium ATP synthase subunit G							
					8		8.5282									
FN1743									AAL93858.1 Multidrug-efflux transporter 2 regulator							
					8		8.5282									
FN1745	-0.070	9.284				19		24.7307	AAL93860.1 Cystathionine gamma-synthase							
					24	24	25.5845	24.0000								
FN1746	0.768	6.567				8		10.4129	AAL93861.1 Cystathionine beta-lyase							
					7	15	7.4621	15.0000								
FN1754					11		16.0666		AAL93869.1 Thiazole biosynthesis protein thiG							
FN1762						4		5.2065	AAL93875.1 Protein yaaA							
FN1763	0.049	12.201	3.905e-1	8.363e-1	34	55	49.6602	71.5889	AAL93876.1 Hypothetical cytosolic protein							
					80	68	85.2815	68.0000								
FN1764	0.776	24.995	1.441e-1	1.735e-1	926	5881	1352.5114	7654.8070	AAL93877.1 Enolase							
					7022	7477	7485.5874	7477.0000								
FN1765	0.370	18.426	2.014e-1	3.161e-1	207	535	302.3433	696.3649	AAL93878.1 Pyruvate kinase							
					696	653	741.9494	653.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1780	0.065	7.520	4.014e-1	8.754e-1	5	9	7.3030	11.7145	AAL93879.1 Hypothetical protein							
					18	16	19.1883	16.0000								
FN1781	0.027	18.062	4.073e-1	8.973e-1	433	374	632.4378	486.8046	AAL93880.1 LytB protein							
					379	569	404.0213	569.0000								
FN1783	-0.552	6.552			11	8	11.7262	8.0000	AAL93882.1 Ethanolamine utilization protein eutJ							
FN1784	1.075	7.903				13		16.9210	AAL93883.1 unknown							
					10	28	10.6602	28.0000								
FN1785	0.047	7.632				11		14.3178	AAL93884.1 Hypothetical protein							
					13		13.8583									
FN1786	0.740	10.174	1.092e-1	1.002e-1	9	36	13.1454	46.8582	AAL93885.1 ADP-heptose synthase							
					37	41	39.4427	41.0000								
FN1787	-0.226	8.040			16		23.3695		AAL93886.1 Tetratricopeptide repeat family protein							
					11	15	11.7262	15.0000								
FN1788	-0.594	8.846	1.461e-1	1.792e-1	12	13	17.5271	16.9210	AAL93887.1 2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase							
					33	18	35.1786	18.0000								
FN1790	0.381	10.817	3.163e-1	6.041e-1	5	23	7.3030	29.9372	AAL93889.1 Cob(I)alamin adenosyltransferase							
					63	67	67.1592	67.0000								
FN1791						3		3.9048	AAL93890.1 Mutator MutT protein							
						5		5.0000								
FN1792	-0.988	22.914	1.031e-1	8.992e-2	3669	1257	5358.9249	1636.1320	AAL93891.1 Hypothetical protein							
					2401	2356	2559.5123	2356.0000								
FN1793	0.279	15.633	3.318e-1	6.484e-1	38	201	55.5026	261.6249	AAL93892.1 Phosphoenolpyruvate-protein phosphotransferase							
					332	235	353.9184	235.0000								
FN1794	0.097	10.952	3.806e-1	8.022e-1	29	50	42.3573	65.0808	AAL93893.1 Phosphocarrier protein HPr							
					41	27	43.7068	27.0000								
FN1795						12		12.0000	AAL93894.1 Hypothetical protein							
FN1796						8		8.0000	AAL93895.1 unknown							
FN1797	0.568	11.975	1.291e-1	1.38e-1	21	68	30.6725	88.5099	AAL93896.1 Spermidine/putrescine transport ATP-binding protein potA							
					69	66	73.5553	66.0000								

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Proteins found: 1313

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Test Cutoff

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

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1798	-0.526	6.303				6		7.8097	AAL93897.1 Spermidine/putrescine transport system permease protein potB							
					10	7	10.6602	7.0000								
FN1800	1.122	14.418	2.047e-2	4.821e-3	57	141	83.2539	183.5279	AAL93899.1 Peptidyl-prolyl cis-trans isomerase							
					110	253	117.2621	253.0000								
FN1801	-0.248	9.652				20		26.0323	AAL93900.1 Sodium/glutamate symport carrier protein							
					29		30.9146									
FN1803						6		7.8097	AAL93902.1 Transcriptional regulator, TetR family							
						12		12.0000								
FN1804	0.435	9.539				18		23.4291	AAL93903.1 Aminoacyl-histidine dipeptidase							
					22	40	23.4524	40.0000								
FN1807	-0.674	16.225	3.372e-3	3.296e-4	251	186	366.6095	242.1007	AAL93906.1 Hypothetical protein							
					312	196	332.5980	196.0000								
FN1808	-0.712	6.642				6		7.8097	AAL93907.1 Hypothetical protein							
					12		12.7922									
FN1809	-0.495	8.680	3.109e-1	5.889e-1	3	17	4.3818	22.1275	AAL93908.1 Iron/zinc/copper-binding protein							
					41	12	43.7068	12.0000								
FN1811	-0.288	8.771	2.86e-1	5.229e-1	9	16	13.1454	20.8259	AAL93910.1 Manganese transport system ATP-binding protein mntA							
					31	17	33.0466	17.0000								
FN1812	-1.699	12.344	1.422e-1	1.687e-1	148	30	216.1681	39.0485	AAL93911.1 Manganese-binding protein							
					41	41	43.7068	41.0000								
FN1813	-0.343	6.485				6		7.8097	AAL93912.1 Manganese-binding protein							
					10	9	10.6602	9.0000								
FN1814						8		10.4129	AAL93913.1 Hypothetical protein							
FN1816	1.470	8.145			8		11.6848		AAL93915.1 unknown							
					8	28	8.5282	28.0000								
FN1817	-0.105	5.275			3		4.3818		AAL93916.1 Hemolysin							
					8	6	8.5282	6.0000								
FN1826	0.127	10.071	1.876e-1	2.815e-1	24	25	35.0543	32.5404	AAL93925.1 Protease							
					26	36	27.7165	36.0000								
FN1827	1.020	12.239	6.817e-3	9.539e-4	26	83	37.9755	108.0342	AAL93926.1 Replicative DNA helicase							
					56	90	59.6971	90.0000								

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Proteins found:
1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1828	-1.269	11.642	1.606e-1	2.157e-1	99	26	144.5990	33.8420	AAL93927.1 LSU ribosomal protein L9P							
					29	39	30.9146	39.0000								
FN1830	0.512	11.292	1.423e-1	1.689e-1	18	55	26.2907	71.5889	AAL93929.1 DNA polymerase III subunits gamma and tau							
					54	48	57.5650	48.0000								
FN1831	0.260	13.637	5.632e-2	2.828e-2	77	93	112.4659	121.0503	AAL93930.1 Nitrogen assimilation regulatory protein							
					88	126	93.8097	126.0000								
FN1832						6		7.8097	AAL93931.1 TonB protein							
FN1833					17		18.1223		AAL93932.1 Biopolymer transport exbD protein							
FN1834	-0.241	9.508	1.259e-1	1.314e-1	19	22	27.7513	28.6356	AAL93933.1 Biopolymer transport exbB protein							
					29	21	30.9146	21.0000								
FN1836	0.289	11.477	1.511e-1	1.931e-1	26	40	37.9755	52.0647	AAL93935.1 Tetratricopeptide repeat family protein							
					55	66	58.6311	66.0000								
FN1838					32		34.1126		AAL93937.1 Glycerol uptake facilitator protein							
FN1839	0.522	19.415	1.45e-1	1.761e-1	286	914	417.7303	1189.6775	AAL93938.1 Glycerol kinase							
					917	814	977.5397	814.0000								
FN1840	-0.255	12.741	1.327e-1	1.457e-1	53	58	77.4116	75.4938	AAL93939.1 Dihydroxyacetone kinase							
					97	76	103.4039	76.0000								
FN1841	-0.945	7.690	1.431e-1	1.711e-1	20	9	29.2119	11.7145	AAL93940.1 Dihydroxyacetone kinase							
					10	9	10.6602	9.0000								
FN1842	0.171	9.552	3.228e-1	6.224e-1	12	17	17.5271	22.1275	AAL93941.1 Dihydroxyacetone kinase phosphotransfer protein							
					32	36	34.1126	36.0000								
FN1843					3		4.3818		AAL93942.1 Surface antigen							
FN1844	0.966	5.794				8		10.4129	AAL93943.1 Ketoacyl reductase hetN							
					5		5.3301									
FN1847	0.414	8.493	2.27e-1	3.773e-1	5	16	7.3030	20.8259	AAL93946.1 DTDP-4-dehydrorhamnose 3,5-epimerase							
					24	23	25.5845	23.0000								
FN1848					5		5.3301		AAL93947.1 Metal dependent hydrolase							

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN1849	0.368	9.722				20		26.0323					AAL93948.1 Coenzyme F390 synthetase							
					24	40	25.5845	40.0000												
FN1850	-0.055	11.300				25		32.5404					AAL93949.1 3-oxoacyl-[acyl-carrier-protein] synthase III							
					48	66	51.1689	66.0000												
FN1851	0.678	13.965	1.604e-1	2.152e-1	23	129	33.5937	167.9085					AAL93950.1 Ribonuclease PH							
					156	152	166.2990	152.0000												
FN1852	-0.392	9.834	2.384e-1	4.069e-1	16	29	23.3695	37.7469					AAL93951.1 unknown							
					43	15	45.8388	15.0000												
FN1853	-0.788	7.923	1.487e-1	1.865e-1	20	9	29.2119	11.7145					AAL93952.1 Methylaspartate mutase							
					11	12	11.7262	12.0000												
FN1854	-0.123	10.528	3.29e-1	6.402e-1	33	22	48.1997	28.6356					AAL93953.1 Methylaspartate mutase							
					30	45	31.9806	45.0000												
FN1855	0.517	4.702				4		5.2065					AAL93954.1 Methylaspartate mutase							
					4	7	4.2641	7.0000												
FN1856	0.234	23.635	1.666e-1	2.3e-1	2099	2497	3065.7899	3250.1366					AAL93955.1 Butyrate-acetoacetate CoA-transferase subunit B							
					3369	4579	3591.4189	4579.0000												
FN1857	0.178	20.954	2.462e-2	6.517e-3	897	1208	1310.1542	1572.3528					AAL93956.1 Acetoacetate: butyrate/acetate coenzyme A transferase							
					1285	1459	1369.8348	1459.0000												
FN1858					30		43.8179						AAL93957.1 Short-chain fatty acids transporter							
FN1859	1.191	25.873	1.008e-1	8.631e-2	443	11444	647.0438	14895.699					AAL93958.1 Major outer membrane protein							
					9128	8794	9730.6240	8794.0000												
FN1860	-1.559	10.843				23		29.9372					AAL93959.1 NA+/H+ antiporter NHAC							
					69	20	73.5553	20.0000												
FN1862	-1.125	14.812	9.372e-2	7.598e-2	232	82	338.8582	106.7326					AAL93961.1 L-beta-lysine 5,6-aminomutase beta subunit							
					152	123	162.0349	123.0000												
FN1863	-1.845	17.556	1.401e-1	1.632e-1	957	183	1397.7899	238.1958					AAL93962.1 L-beta-lysine 5,6-aminomutase alpha subunit							
					250	225	266.5048	225.0000												
FN1864	-1.469	6.256	1.605e-1	2.155e-1	17	5	24.8301	6.5081					AAL93963.1 DNA mismatch repair protein mutS							
					4	4	4.2641	4.0000												
FN1866	-0.412	20.194	1.69e-1	2.359e-1	1117	722	1631.4852	939.7672					AAL93965.1 Lysine 2,3-aminomutase							
					840	959	895.4562	959.0000												

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1867	-1.540	18.656	8.989e-2	6.929e-2	1058	281	1545.3100	365.7543	AAL93966.1 Zn-dependent alcohol dehydrogenases and related dehydrogenases							
					607	388	647.0737	388.0000								
FN1868	-0.572	13.089	1.043e-1	9.186e-2	96	60	140.2172	78.0970	AAL93967.1 Hypothetical cytosolic protein							
					82	75	87.4136	75.0000								
FN1869	-1.008	14.117	9.304e-2	7.475e-2	172	63	251.2224	82.0018	AAL93968.1 Hypothetical protein							
					119	106	126.8563	106.0000								
FN1872									AAL93971.1 unknown							
						5		5.0000								
FN1873	-1.221	9.036	2.383e-3	1.633e-4	26	10	37.9755	13.0162	AAL93972.1 Bis(5'-nucleosyl)-tetrphosphatase							
					30	17	31.9806	17.0000								
FN1874	-0.061	8.791	3.998e-1	8.696e-1	9	14	13.1454	18.2226	AAL93973.1 Ribose 5-phosphate isomerase							
					28	23	29.8485	23.0000								
FN1875	0.544	14.919	2.095e-2	4.997e-3	112	159	163.5867	206.9570	AAL93974.1 Peptidyl-prolyl cis-trans isomerase							
					120	218	127.9223	218.0000								
FN1877									AAL93976.1 Guanine-hypoxanthine permease							
					6		6.3961									
FN1880	-0.560	14.219	3.269e-2	1.06e-2	118	101	172.3503	131.4633	AAL93979.1 Oxygen-insensitive NAD(P)H nitroreductase							
					153	96	163.1009	96.0000								
FN1881	0.309	7.137				8		10.4129	AAL93980.1 Esterase							
					10	16	10.6602	16.0000								
FN1884					32		46.7391		AAL93983.1 unknown							
FN1890					22		32.1331		AAL93989.1 Hypothetical protein							
FN1891	0.377	9.862	2.765e-1	4.99e-1	6	25	8.7636	32.5404	AAL93990.1 Glycerophosphoryl diester phosphodiesterase							
					42	37	44.7728	37.0000								
FN1893	-0.312	17.983	1.168e-2	2.149e-3	389	336	568.1716	437.3432	AAL93991.1 Fusobacterium outer membrane protein family							
					531	476	566.0562	476.0000								
FN1898	1.111	10.714	5.218e-2	2.468e-2	9	38	13.1454	49.4614	AAL93997.1 Sugar transport ATP-binding protein							
					40	71	42.6408	71.0000								
FN1899	0.364	16.028	1.089e-1	9.967e-2	123	230	179.6532	299.3718	AAL93998.1 Hypothetical lipoprotein							
					259	287	276.0990	287.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

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	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN1901						8		8.0000	AAL94000.1 Transcription regulator, CRP family							
FN1902	-0.516	9.741	6.493e-2	3.603e-2	26	23	37.9755	29.9372	AAL94001.1 Deoxycytidylate deaminase							
FN1903					17		24.8301		AAL94002.1 Coenzyme A disulfide reductase/ disulfide bond regulator domain							
FN1905						4		4.0000	AAL94004.1 outer membrane protein							
FN1906	0.312	18.247	2.136e-1	3.442e-1	222	408	324.2522	531.0596	AAL94005.1 Cytosol aminopeptidase							
FN1908	0.161	17.125	1.713e-1	2.414e-1	213	330	311.1068	429.5335	AAL94007.1 Glycerophosphoryl diester phosphodiesterase							
FN1909	-0.231	12.702	1.614e-1	2.176e-1	51	52	74.4904	67.6841	AAL94008.1 UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase							
FN1910	-0.793	14.225	6.115e-2	3.244e-2	148	107	216.1681	139.2730	AAL94009.1 periplasmic protein							
FN1911	-0.583	21.785	4.635e-2	1.968e-2	1822	1320	2661.2050	1718.1339	AAL94010.1 Outer membrane protein							
FN1912	0.023	7.038	4.131e-1	9.189e-1	9	7	13.1454	9.1113	AAL94011.1 Hypothetical protein							
FN1913	-0.024	12.108	4.204e-1	9.471e-1	64	49	93.4781	63.7792	AAL94012.1 hydrolase (HD superfamily)							
FN1914	-0.943	13.875	2.323e-1	3.908e-1	213	69	311.1068	89.8115	AAL94013.1 Anti-sigma F factor antagonist							
FN1917	1.025	6.379				10		13.0162	AAL94016.1 tRNA delta(2)-isopentenylpyrophosphate transferase							
FN1918	0.884	12.210	7.514e-2	4.748e-2	19	73	27.7513	95.0180	AAL94017.1 SPO0B-associated GTP-binding protein							
FN1919	0.215	6.205	3.322e-1	6.495e-1	8	5	11.6848	6.5081	AAL94018.1 Methyltransferase							
FN1920	-1.354	5.354			7		10.2242		AAL94019.1 tRNA (5-methylaminomethyl-2-thiouridylate) -methyltransferase							

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
									-6 -4 -2 0 2 4 6										
FN1922	-0.761	7.463	8.127e-6	2.336e-8	12	8	17.5271	10.4129	AAL94021.1 Hypothetical protein										
					16	10	17.0563	10.0000											
FN1923									AAL94022.1 Adenine-specific methyltransferase										
FN1925									AAL94024.1 Arsenical pump membrane protein										
					6	6.3961													
FN1926	-0.156	12.741	3.582e-1	7.286e-1	32	59	46.7391	76.7954	AAL94025.1 Nitrogen regulatory IIA protein										
					120	80	127.9223	80.0000											
FN1927	0.955	16.177	5.265e-2	2.513e-2	78	272	113.9264	354.0397	AAL94026.1 DEGV protein										
					260	404	277.1650	404.0000											
FN1928	-0.663	9.137							AAL94027.1 Transcriptional regulator, MerR family										
					28	26	29.8485	26.0000											
FN1929	0.847	11.866	1.253e-1	1.302e-1	12	46	17.5271	59.8744	AAL94028.1 Competence-damage protein cinA										
					69	104	73.5553	104.0000											
FN1931	0.801	6.600							AAL94030.1 Protease										
					7	13	7.4621	13.0000											
FN1933	0.522	6.291	2.27e-1	3.773e-1	5	4	7.3030	5.2065	AAL94032.1 Hypothetical protein										
					7	16	7.4621	16.0000											
FN1935	0.477	5.832							AAL94034.1 Adenine-specific methyltransferase										
					6	10	6.3961	10.0000											
FN1939	-0.760	7.920							AAL94038.1 Hypothetical protein										
					19	7	20.2544	7.0000											
FN1941	0.513	17.330	7.283e-2	4.464e-2	239	314	349.0823	408.7076	AAL94040.1 ClpB protein										
					310	561	330.4660	561.0000											
FN1942	-1.547	5.547			8				AAL94041.1 putative DNA-binding protein										
										4	4.0000								
FN1943	-0.408	24.213	8.632e-2	6.342e-2	4000	2836	5842.3820	3691.3846	AAL94042.1 Tryptophanase										
					4049	3965	4316.3121	3965.0000											
FN1948	0.350	6.149							AAL94044.1 Hypothetical protein										
					7	6	7.4621	6.0000											
FN1949	0.180	11.924	3.175e-1	6.074e-1	24	52	35.0543	67.6841	AAL94045.1 Xaa-Pro dipeptidase										
					77	65	82.0835	65.0000											

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN1951						4		4.0000	AAL94047.1 ATPase associated with chromosome architecture/replication							
FN1956	-0.298	7.700				10		13.0162	AAL94052.1 Hypothetical protein							
FN1964	-0.516	8.101	3.728e-2	1.334e-2	14	9	20.4483	11.7145	AAL94054.1 O-linked GLCNAC transferase							
FN1965	-0.338	11.256	1.657e-1	2.279e-1	44	43	64.2662	55.9695	AAL94055.1 Tetratricopeptide repeat family protein							
FN1966	1.158	11.435	6.287e-3	8.25e-4	30	67	43.8179	87.2083	AAL94056.1 Hypothetical protein							
FN1971	-2.347	8.257				5		6.5081	AAL94061.1 Hemin receptor							
FN1972	-0.837	11.209				16		20.8259	AAL94062.1 unknown							
FN1973	-1.255	13.137	3.793e-3	3.849e-4	111	56	162.1261	72.8905	AAL94063.1 Translation initiation inhibitor							
FN1974						7		7.0000	AAL94064.1 DNA/RNA helicase (DEAD/DEAH BOX family)							
FN1975	0.665	13.152	5.242e-2	2.491e-2	49	107	71.5692	139.2730	AAL94065.1 ATP-dependent RNA helicase							
FN1976	1.211	11.021	6.886e-2	4.014e-2	6	62	8.7636	80.7002	AAL94066.1 4-amino-4-deoxychorismate lyase							
FN1977	-0.068	6.640			7	5	10.2242	6.5081	AAL94067.1 Cell cycle protein MesJ							
FN1978	0.577	12.567	1.734e-1	2.467e-1	18	64	26.2907	83.3035	AAL94068.1 Cell division protein ftsH							
FN1979					15		21.9089		AAL94069.1 SSU ribosomal protein S15P							
FN1980						4		5.2065	AAL94070.1 Transporter							
FN1983	-0.019	15.679	4.017e-1	8.765e-1	139	186	203.0228	242.1007	AAL94073.1 Alkyl hydroperoxide reductase C22 protein							

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios											
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description															
FN1984	-0.796	16.375	1.125e-1	1.059e-1	348	154	508.2872	200.4490	AAL94074.1 Thioredoxin reductase															
					244	242	260.1087	242.0000																
FN1985	0.335	12.626	3.078e-1	5.806e-1	13	65	18.9877	84.6051	AAL94075.1 Inner membrane protein															
					115	94	122.5922	94.0000																
FN1986	-0.445	16.160	1.209e-1	1.211e-1	255	222	372.4518	288.9589	AAL94076.1 Hypothetical protein															
					243	175	259.0427	175.0000																
FN1987	-2.421	7.591			22		32.1331		AAL94077.1 Transcriptional regulator, GntR family															
						6		6.0000																
FN1988	1.109	19.941	6.103e-2	3.232e-2	221	1391	322.7916	1810.5486	AAL94078.1 Tyrosine phenol-lyase															
					979	1137	1043.6329	1137.0000																
FN1989	-0.530	7.654				12		15.6194	AAL94079.1 Sodium-dependent tyrosine transporter															
					16	8	17.0563	8.0000																
FN1991	-0.317	17.369	3.052e-2	9.394e-3	334	260	487.8389	338.4203	AAL94081.1 Glucosamine-1-phosphate acetyltransferase															
					404	399	430.6718	399.0000																
FN1992	0.073	17.114	3.394e-1	6.708e-1	219	340	319.8704	442.5496	AAL94082.1 Ribose-phosphate pyrophosphokinase															
					389	330	414.6815	330.0000																
FN1993	-0.230	5.124				3		3.9048	AAL94083.1 SUA5 protein															
					6	7	6.3961	7.0000																
FN1994	-1.145	10.407	1.637e-1	2.231e-1	59	35	86.1751	45.5566	AAL94084.1 Hypothetical protein															
					22	4	23.4524	4.0000																
FN1995									AAL94085.1 Hypothetical protein															
					4		4.2641																	
FN2001	-0.007	8.821				18		23.4291	AAL94091.1 Hypothetical protein															
					20	19	21.3204	19.0000																
FN2002									AAL94092.1 Permease															
						3		3.0000																
FN2007	-1.055	6.480	1.705e-1	2.394e-1	15	7	21.9089	9.1113	AAL94097.1 Glutathione peroxidase															
					5	4	5.3301	4.0000																
FN2008	-1.960	6.720				4		5.2065	AAL94098.1 Glycine betaine transport ATP-binding protein															
					19		20.2544																	
FN2009	-0.109	6.075				6		7.8097	AAL94099.1 Glycine betaine transport system permease protein															
					8	8	8.5282	8.0000																

Show detected proteins only
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 Filter by category:

Proteins found: 1313

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value

p-Value

.005

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

Dot Plots Dot Plots

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

Protein	FnSg vs FnPg				Raw				Normalized				Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	Description										
										-6	-4	-2	0	2	4	6			
FN2011	0.571	13.430	1.852e-1	2.754e-1	37	60	54.0420	78.0970	AAL94101.1 Valyl-tRNA synthetase										
					111	178	118.3281	178.0000											
FN2013	0.231	5.059				5		6.5081	AAL94103.1 GTP-binding protein										
					5	6	5.3301	6.0000											
FN2014	0.278	14.270	7.903e-2	5.265e-2	77	128	112.4659	166.6069	AAL94104.1 ATP-dependent protease La										
					134	143	142.8466	143.0000											
FN2015	0.357	13.338	5.169e-2	2.421e-2	64	97	93.4781	126.2568	AAL94105.1 ATP-dependent clp protease ATP-binding subunit clpX										
					81	104	86.3476	104.0000											
FN2016	-0.927	8.974				15		19.5242	AAL94106.1 ATP-dependent Clp protease proteolytic subunit										
					29	13	30.9146	13.0000											
FN2017	-0.681	17.893	1.044e-1	9.202e-2	543	273	793.1034	355.3413	AAL94107.1 Trigger factor, ppiase										
					428	424	456.2563	424.0000											
FN2018	0.021	7.667	4.257e-1	9.677e-1	15	9	21.9089	11.7145	AAL94108.1 Single-stranded-DNA-specific exonuclease recJ										
					6	17	6.3961	17.0000											
FN2019	-2.820	7.990			29		42.3573		AAL94109.1 Ribosome-binding factor A										
						6	6.0000												
FN2020	0.271	16.342	1.647e-1	2.254e-1	190	196	277.5131	255.1168	AAL94110.1 Bacterial Protein Translation Initiation Factor 2 (IF-2)										
					232	378	247.3165	378.0000											
FN2022	0.690	12.305	3.297e-3	3.129e-4	38	72	55.5026	93.7164	AAL94112.1 N utilization substance protein A										
					53	87	56.4990	87.0000											
FN2023	0.044	8.265	4.195e-1	9.433e-1	20	12	29.2119	15.6194	AAL94113.1 Hypothetical cytosolic protein										
					5	20	5.3301	20.0000											
FN2030	0.288	10.993	2.211e-1	3.625e-1	18	39	26.2907	50.7630	AAL94115.1 Inorganic pyrophosphatase										
					52	49	55.4330	49.0000											
FN2031	-0.547	4.547			4		5.8424		AAL94116.1 Thiamine biosynthesis lipoprotein appE										
						4	4.0000												
FN2033	-0.753	8.154			15		21.9089		AAL94118.1 Guanylate kinase										
						13	13.0000												
FN2034	-0.285	8.130	2.835e-1	5.167e-1	18	11	26.2907	14.3178	AAL94119.1 Protein yicC										
					10	16	10.6602	16.0000											
FN2035	0.157	18.004	1.824e-1	2.683e-1	375	453	547.7233	589.6323	AAL94120.1 DNA-directed RNA polymerase beta' chain										
					397	493	423.2097	493.0000											

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found:
1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw				Normalized				Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg	FnPg	FnSg								
														-6	-4	-2	0	2	4	6
FN2036	0.508	17.024	6.91e-2	4.04e-2	163	318	238.0771	413.9141	AAL94121.1 DNA-directed RNA polymerase beta chain											
					351	457	374.1728	457.0000												
FN2037	-0.812	19.372	1.645e-1	2.249e-1	1107	315	1616.8792	410.0092	AAL94122.1 LSU ribosomal protein L12P (L7/L12)											
					531	833	566.0562	833.0000												
FN2038	-0.612	14.809	2.041e-1	3.221e-1	216	103	315.4886	134.0665	AAL94123.1 LSU ribosomal protein L10P											
					97	140	103.4039	140.0000												
FN2039	-0.039	16.379	3.701e-1	7.671e-1	214	252	312.5674	328.0074	AAL94124.1 LSU ribosomal protein L1P											
					262	248	279.2971	248.0000												
FN2040	-1.479	10.245	9.707e-2	8.072e-2	57	19	83.2539	24.7307	AAL94125.1 LSU ribosomal protein L11P											
					31	17	33.0466	17.0000												
FN2041	-1.700	11.086	1.258e-1	1.312e-1	91	19	132.9142	24.7307	AAL94126.1 Transcription antitermination protein nusG											
					33	27	35.1786	27.0000												
FN2045	-0.556	7.969				7		9.1113	AAL94129.1 Ferric uptake regulation protein											
					18	17	19.1883	17.0000												
FN2046	-0.555	8.799				16		20.8259	AAL94130.1 Acetyltransferase											
					24	14	25.5845	14.0000												
FN2047	0.301	13.685	1.497e-1	1.896e-1	54	92	78.8722	119.7487	AAL94131.1 Fusobacterium outer membrane protein family											
					120	135	127.9223	135.0000												
FN2048	0.792	16.177				180		234.2910	AAL94132.1 Outer membrane protein											
					194	482	206.8077	482.0000												
FN2049	-0.525	18.648	1.974e-1	3.071e-1	753	430	1099.8284	559.6951	AAL94133.1 unknown											
					411	509	438.1339	509.0000												
FN2050	-2.135	13.336	1.251e-1	1.297e-1	240	40	350.5429	52.0647	AAL94134.1 Hypothetical membrane-spanning protein											
					71	45	75.6874	45.0000												
FN2051	-0.406	12.967	2.74e-1	4.926e-1	106	81	154.8231	105.4309	AAL94135.1 unknown											
					48	50	51.1689	50.0000												
FN2052	-0.190	12.637	3.647e-1	7.496e-1	89	81	129.9930	105.4309	AAL94136.1 unknown											
					38	44	40.5087	44.0000												
FN2053	-0.362	11.892	2.323e-1	3.908e-1	30	49	43.8179	63.7792	AAL94137.1 Serine/threonine sodium symporter											
					90	45	95.9417	45.0000												
FN2054	-0.452	14.142	1.419e-2	2.855e-3	100	96	146.0595	124.9552	AAL94138.1 Glucose-6-phosphate isomerase											
					158	105	168.4310	105.0000												

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

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	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN2058	-1.728	17.134	9.199e-2	7.287e-2	683	155	997.5867	201.7506	AAL94142.1 Fusobacterium outer membrane protein family							
					359	215	382.7009	215.0000								
FN2059	0.792	16.177				180		234.2910	AAL94143.1 Outer membrane protein							
					194	482	206.8077	482.0000								
FN2060	-0.525	18.648	1.974e-1	3.071e-1	753	430	1099.8284	559.6951	AAL94144.1 unknown							
					411	509	438.1339	509.0000								
FN2061	-2.135	13.336	1.251e-1	1.297e-1	240	40	350.5429	52.0647	AAL94145.1 Hypothetical membrane-spanning protein							
					71	45	75.6874	45.0000								
FN2062	-0.406	12.967	2.74e-1	4.926e-1	106	81	154.8231	105.4309	AAL94146.1 unknown							
					48	50	51.1689	50.0000								
FN2063	-0.190	12.637	3.647e-1	7.496e-1	89	81	129.9930	105.4309	AAL94147.1 unknown							
					38	44	40.5087	44.0000								
FN2067									AAL94151.1 Thiol:disulfide interchange protein tlpA							
						6		6.0000								
FN2068	-0.139	8.791	3.744e-1	7.812e-1	12	7	17.5271	9.1113	AAL94152.1 dGTP triphosphohydrolase							
					25	31	26.6505	31.0000								
FN2070	0.150	7.253				10		13.0162	AAL94154.1 Cobyric acid synthase							
					11	13	11.7262	13.0000								
FN2073	1.261	11.058	5.149e-2	2.403e-2	8	43	11.6848	55.9695	AAL94157.1 Adenine phosphoribosyltransferase							
					45	87	47.9709	87.0000								
FN2074									AAL94158.1 BsIIM							
					3		3.1981									
FN2075	-0.222	8.673	3.026e-1	5.664e-1	16	8	23.3695	10.4129	AAL94159.1 Hypothetical protein							
					19	27	20.2544	27.0000								
FN2078	1.323	4.677							AAL94162.1 Transcriptional regulator, DeoR family							
					3	8	3.1981	8.0000								
FN2082	0.129	21.217	3.573e-1	7.257e-1	599	1156	874.8967	1504.6687	AAL94166.1 Formate--tetrahydrofolate ligase							
					1981	1761	2111.7842	1761.0000								
FN2093	-1.092	8.699	1.561e-1	2.051e-1	32	13	46.7391	16.9210	AAL94177.1 General secretion pathway protein G							
					12	11	12.7922	11.0000								
FN2098	0.662	6.272	9.451e-2	7.707e-2	3	7	4.3818	9.1113	AAL94182.1 MRP-family nucleotide-binding protein							
					9	13	9.5942	13.0000								

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Proteins found: 1313

Test Cutoff

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

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

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg								
										-6	-4	-2	0	2	4	6
FN2100	-0.254	9.886	1.564e-1	2.059e-1	19	21	27.7513	27.3339	AAL94184.1 Hypothetical protein							
					37	29	39.4427	29.0000								
FN2102	0.540	8.807	1.079e-1	9.792e-2	16	20	23.3695	26.0323	AAL94186.1 ABC transporter ATP-binding protein							
					11	25	11.7262	25.0000								
FN2103	0.094	19.117	3.212e-1	6.177e-1	598	651	873.4361	847.3524	AAL94187.1 tricarboxylate-binding protein							
					550	711	586.3106	711.0000								
FN2105									AAL94189.1 tricarboxylate transport membrane protein RctA							
					7		7.4621									
FN2106	-1.009	14.761	1.525e-1	1.965e-1	247	96	360.7671	124.9552	AAL94190.1 Transporter							
					105	110	111.9320	110.0000								
FN2107	-1.441	8.730	1.394e-1	1.617e-1	37	10	54.0420	13.0162	AAL94191.1 Galactokinase							
					13	12	13.8583	12.0000								
FN2108	-0.407	8.889	4.741e-2	2.051e-2	19	16	27.7513	20.8259	AAL94192.1 Galactose-1-phosphate uridylyltransferase							
					21	17	22.3864	17.0000								
FN2109	-0.530	12.060	7.629e-2	4.895e-2	63	39	92.0175	50.7630	AAL94193.1 UDP-glucose 4-epimerase							
					61	58	65.0272	58.0000								
FN2116	-1.156	8.316				13		16.9210	AAL94200.1 Hypothetical exported 24-amino acid repeat protein							
					25	7	26.6505	7.0000								
FN2117	0.493	5.847							AAL94201.1 Hypothetical exported 24-amino acid repeat protein							
					6	9	6.3961	9.0000								
FN2118	-0.315	5.485							AAL94202.1 Hypothetical exported 24-amino acid repeat protein							
					7	6	7.4621	6.0000								
FN2119	-1.170	9.511				10		13.0162	AAL94203.1 Hypothetical exported 24-amino acid repeat protein							
					38	23	40.5087	23.0000								
FN2121	-2.588	9.992			94	10	137.2960	13.0162	AAL94205.1 Hypothetical exported 24-amino acid repeat protein							
					18		19.1883									
FN2122	-0.355	17.257	1.096e-1	1.008e-1	356	275	519.9720	357.9446	AAL94206.1 Phenylalanyl-tRNA synthetase beta chain							
					352	342	375.2388	342.0000								
FN2123	0.160	13.580	3.568e-1	7.243e-1	39	66	56.9632	85.9067	AAL94207.1 Phenylalanyl-tRNA synthetase alpha chain							
					143	148	152.4408	148.0000								
FN2125	-0.254	12.696	3.099e-1	5.864e-1	89	57	129.9930	74.1921	AAL94209.1 DNA gyrase subunit A							
					45	75	47.9709	75.0000								

Show detected proteins only
 Show all proteins
 Filter by category:

Proteins found: 1313

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

FnSg vs FnPg

Raw

Normalized

Log₂ Ratios

Protein	FnSg vs FnPg				Raw		Normalized		Description	Log ₂ Ratios						
	Log ₂ Ratio	Log ₂ Sum	q-Value	p-Value	FnPg	FnSg	FnPg	FnSg		-6	-4	-2	0	2	4	6
FN2126	-0.272	9.756	2.109e-1	3.38e-1	26	15	37.9755	19.5242	AAL94210.1 DNA gyrase subunit B							
					25	34	26.6505	34.0000								

- Show detected proteins only
- Show all proteins

Proteins found:
1313

Filter by category:

GO: amino acid transport

Enter (or paste) list of ORFs

Find ORFs

Test

Cutoff

q-Value

p-Value

.005

	Signif	Direction	Applies To
red	yes	+	ratios, bars
yellow	no	n/a	bars
green	yes	-	ratios, bars
pink	yes	+	p-, q-Values
light green	yes	-	p-, q-Values

Dot Plots

Dot Plots