

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0001</b>	-0.861	8.211	5.373e-2	9.891e-2	-0.721	8.536	3.344e-3	1.286e-2	-1.995	6.873	5.464e-4	1.117e-3	-1.135	6.216	1e-1	2.195e-1	0.140	7.675	3.783e-1	7.944e-1	-1.275	6.541	7.573e-4	1.334e-3												
AAL94214.1  Chromosomal replication initiator protein dnaA																																				
<b>FN0004</b>	-0.611	11.841			-1.041	11.595	1.344e-4	2.314e-4	0.743	12.991	1.429e-2	6.168e-2	1.354	12.583			-0.430	10.984			1.784	12.338	4.439e-3	1.286e-2												
AAL94217.1  Inner membrane protein																																				
<b>FN0005</b>	-2.353	9.381	1.156e-3	5.965e-4	-1.546	10.372	4.85e-4	1.179e-3	0.049	11.579	1.256e-1	7.273e-1	2.402	9.430	1.077e-4	9.734e-6	0.807	8.020	9.688e-2	8.044e-2	1.595	10.422	8.613e-5	7.124e-5												
AAL94218.1  Jag protein																																				
<b>FN0006</b>	-0.118	8.902			0.271	9.476	6.231e-3	2.671e-2	-0.914	7.902	1.152e-3	2.895e-3	-0.797	7.988			0.389	9.358			-1.186	8.562	7.973e-6	1.958e-6												
AAL94219.1  Thiophene and furan oxidation protein THDF																																				
<b>FN0007</b>	-1.490	8.166	7.004e-4	2.603e-4	-0.993	8.847	3.101e-3	1.17e-2	-1.690	7.762	1.687e-4	2.265e-4	-0.200	6.476	1.591e-1	4.339e-1	0.497	7.357	1.598e-1	2.137e-1	-0.696	7.157	2.992e-2	1.242e-1												
AAL94220.1  Glucose inhibited division protein A																																				
<b>FN0008</b>																	-0.559	7.026																		
AAL94221.1  Quinolinate synthetase A																																				
<b>FN0009</b>																	-0.306	9.594																		
AAL94222.1  L-aspartate oxidase																																				
<b>FN0017</b>					-0.525	5.744	3.621e-3	1.424e-2																												
AAL94230.1  Hypothetical protein																																				
<b>FN0018</b>	-1.322	10.369			-1.340	10.536	7.478e-5	1.095e-4	-0.591	10.897	1.44e-4	1.826e-4	0.731	9.778			-0.018	9.214			0.749	9.945	1.226e-4	1.125e-4												
AAL94231.1  Hypothetical protein																																				
<b>FN0019</b>					0.493	4.631			0.483	4.232											-0.010	5.114														
AAL94232.1  Transcription-repair coupling factor																																				
<b>FN0021</b>																																				
AAL94234.1  4-diphosphocytidyl-2-C-methyl-D-erythritol kinase																																				
<b>FN0022</b>	0.356	12.744	2.373e-1	6.936e-1	-2.619	9.954	5.088e-7	5.976e-8	-0.906	11.279	2.08e-3	6.345e-3	-1.261	11.838	1.31e-1	3.315e-1	-2.975	10.310	1.469e-1	1.814e-1	1.713	9.048	4.072e-3	1.141e-2												
AAL94235.1  Hypothetical protein																																				
<b>FN0023</b>													0.322	7.241			0.355	7.459			-0.033	7.781														
AAL94236.1  Short-chain fatty acids transporter																																				
<b>FN0024</b>	-2.410	10.338	2.211e-4	4.451e-5	-2.296	10.636			-1.508	11.036	3.217e-4	5.553e-4	0.902	8.830	3.244e-2	4.269e-2	0.113	8.227			0.788	9.128														
AAL94237.1  Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0025</b>	-2.614	8.229			-2.514	8.514			-2.155	8.484			0.459	6.074			0.100	5.900			0.359	6.359														
AAL94238.1  Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0026</b>									0.872	9.200	1.2e-2	5.066e-2																								
AAL94239.1  Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0029</b>									-0.920	5.564																										
AAL94242.1  Flavodoxin																																				

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Proteins found: 1424

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Find ORFs

Test Cutoff

q-Value .005

p-Value

Dot Plots

Dot Plots

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
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FnPg vs Fn —

FnPgSg vs Fn —

FnSg vs FnPg —

FnPgSg vs FnSg —

FnSg vs Fn —

FnPgSg vs FnPg —

FnPgSg vs FnSg —

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																			
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6									
<b>FN0030</b>	0.941	12.742	2.833e-2	4.197e-2	0.770	12.755	3.016e-4	6.467e-4	-0.029	11.568	1.437e-1	8.494e-1	-0.969	12.713	2.885e-2	3.595e-2	-0.171	13.696	2.765e-1	4.991e-1	-0.799	12.726	5.533e-4	8.615e-4																				
	AAL94243.1   5-nitroimidazole antibiotic resistance protein																																											
<b>FN0031</b>	1.926	7.752	6.48e-3	6.475e-3	1.640	7.650	3.089e-6	9.391e-7	0.497	6.119	3.703e-2	1.839e-1	-1.429	8.250	8.203e-3	5.576e-3	-0.287	9.576	1.584e-1	2.104e-1	-1.142	8.147	1.66e-3	3.674e-3																				
	AAL94244.1   unknown																																											
<b>FN0033</b>	-0.537	12.649	5.583e-2	1.044e-1	-0.389	12.980	1.059e-7	6.028e-9	-1.022	11.959	2.845e-8	7.664e-10	-0.485	11.626	1.056e-1	2.401e-1	0.147	12.444	3.222e-1	6.206e-1	-0.633	11.958	1.07e-6	1.34e-7																				
	AAL94246.1   unknown																																											
<b>FN0034</b>	0.033	9.683	2.871e-1	8.979e-1	-0.699	9.136	2.259e-5	1.945e-5	0.619	10.066	1.553e-3	4.415e-3	0.587	10.302	3.262e-2	4.304e-2	-0.732	9.168	1.017e-1	8.763e-2	1.319	9.755	6.41e-4	1.067e-3																				
	AAL94247.1   unknown																																											
<b>FN0038</b>																																												
	AAL94251.1   unknown																																											
<b>FN0039</b>	0.032	6.887			0.521	7.561	7.269e-4	2.007e-3									0.489	7.593																										
	AAL94252.1   DNA primase (bacterial type) and small primase-like proteins																																											
<b>FN0040</b>	0.040	18.005	2.345e-1	6.828e-1	0.442	18.592	1.777e-5	1.378e-5	-0.097	17.664	1.467e-2	6.352e-2	-0.137	17.908	1.011e-1	2.234e-1	0.402	18.632	2.871e-2	8.462e-3	-0.539	18.495	1.488e-5	5.633e-6																				
	AAL94253.1   Asparaginyl-tRNA synthetase																																											
<b>FN0041</b>	-0.530	6.145							-0.402	6.068	5.601e-2	2.941e-1	0.127	5.742																														
	AAL94254.1   unknown																																											
<b>FN0043</b>	-0.908	6.908							-1.806	5.806			-0.898	5.102																														
	AAL94256.1   Hypothetical exported 24-amino acid repeat protein																																											
<b>FN0045</b>					-0.622	6.237																																						
	AAL94258.1   Shikimate 5-dehydrogenase																																											
<b>FN0046</b>	0.453	5.099							1.136	5.579			0.683	6.236																														
	AAL94259.1   3-dehydroquininate dehydratase																																											
<b>FN0047</b>	-0.754	12.407	6.949e-3	7.143e-3	-0.690	12.656	1.944e-4	3.696e-4	-0.392	12.565	8.829e-4	2.036e-3	0.362	12.015	5.7e-2	9.732e-2	0.064	11.902	3.588e-1	7.305e-1	0.298	12.263	7.296e-5	5.701e-5																				
	AAL94260.1   Exodeoxyribonuclease III																																											
<b>FN0048</b>	-1.806	9.090	4.751e-4	1.424e-4	-0.904	10.176	7.755e-4	2.196e-3	-1.375	9.318	4.649e-4	9.091e-4	0.432	7.715	1.458e-2	1.347e-2	0.902	8.370	7.266e-3	1.077e-3	-0.470	8.802	1.982e-5	9.147e-6																				
	AAL94261.1   4-nitrophenylphosphatase																																											
<b>FN0049</b>	2.461	6.414			3.827	7.964											1.366	10.425	1.414e-2	2.841e-3																								
	AAL94262.1   Hypothetical protein																																											
<b>FN0050</b>	-2.087	19.021	5.604e-5	5.869e-6	-2.906	18.386	8.882e-5	1.311e-4	-0.308	20.596	2.719e-2	1.28e-1	1.779	18.713	7.945e-3	5.254e-3	-0.820	16.299	8.04e-2	5.463e-2	2.598	18.078	2.221e-3	5.272e-3																				
	AAL94263.1   Fumarate reductase flavoprotein subunit																																											
<b>FN0052</b>	-1.633	9.711							-0.988	10.152	5.96e-5	5.203e-5	0.645	8.723																														
	AAL94265.1   Arsenate reductase																																											
<b>FN0054</b>	-0.656	14.433	4.46e-2	7.663e-2	-0.304	14.970	6.079e-6	2.647e-6	0.180	15.065	7.739e-4	1.728e-3	0.836	14.613	2.865e-2	3.557e-2	0.352	14.314	1.918e-1	2.926e-1	0.484	15.149	1.567e-4	1.577e-4																				
	AAL94267.1   Tyrosyl-tRNA synthetase																																											

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Signif	Direction	Applies To
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ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0058</b>	-0.140	15.152	1.373e-1	3.386e-1	0.314	15.791	8.433e-2	4.894e-1	-0.885	14.203	1.496e-3	5.701e-6	-0.746	14.267	1.756e-2	1.775e-2	0.454	15.651	2.212e-1	3.627e-1	-1.200	14.906	2.644e-2	1.08e-1												
AAL94271.1   Cysteine desulfhydrase																																				
<b>FN0059</b>	-1.187	10.292	1.566e-3	9.088e-4	-0.273	11.390	6.53e-2	3.713e-1	-0.329	10.946	5.812e-3	2.184e-2	0.859	9.963	9.856e-4	2.352e-4	0.914	10.203	1.057e-1	9.419e-2	-0.055	11.061	1.66e-1	8.61e-1												
AAL94272.1   NifU protein																																				
<b>FN0060</b>	-1.856	8.478	1.087e-3	5.368e-4	-2.452	8.067			-0.809	9.321	1.62e-5	6.499e-6	1.047	7.669	1.152e-2	9.384e-3	-0.596	6.211			1.643	7.258														
AAL94273.1   D-alanyl-D-alanine carboxypeptidase																																				
<b>FN0061</b>	0.092	12.784	2.844e-1	8.859e-1	0.005	12.882	1.523e-1	9.547e-1	0.017	12.506	1.065e-1	6.032e-1	-0.075	12.801	2.744e-1	9.066e-1	-0.086	12.974	4.062e-1	8.929e-1	0.012	12.899	1.725e-1	9.02e-1												
AAL94274.1   Thermostable carboxypeptidase 1																																				
<b>FN0062</b>	-0.934	6.104							0.342	7.177	3.453e-2	1.697e-1	1.277	6.447																						
AAL94275.1   Hypothetical cytosolic protein																																				
<b>FN0063</b>																																				
AAL94276.1   unknown																																				
<b>FN0065</b>	-1.267	13.695	4.057e-4	1.097e-4	-0.894	14.252	2.279e-4	4.492e-4	-0.753	14.005	4.603e-4	8.975e-4	0.513	12.942	1.35e-3	3.901e-4	0.372	12.985	1.016e-1	8.749e-2	0.141	13.499	7.609e-2	3.562e-1												
AAL94278.1   Transcription accessory protein (S1 RNA binding domain)																																				
<b>FN0066</b>																																				
AAL94279.1   Two component system histidine kinase																																				
<b>FN0067</b>	-0.988	17.171	2.064e-3	1.353e-3	-1.276	17.068	1.701e-5	1.293e-5	-0.530	17.426	2.072e-5	9.503e-6	0.458	16.642	2.677e-2	3.218e-2	-0.288	16.080	1.432e-1	1.712e-1	0.746	16.538	2.253e-5	1.099e-5												
AAL94280.1   Isoleucyl-tRNA synthetase																																				
<b>FN0069</b>	0.373	15.301	6.215e-2	1.221e-1	-0.019	15.094	1.435e-1	8.903e-1	-0.085	14.640	7.328e-2	3.959e-1	-0.457	15.217	5.162e-2	8.355e-2	-0.392	15.467	1.169e-1	1.137e-1	-0.066	15.009	1.227e-1	6.048e-1												
AAL94282.1   Glycyl-tRNA synthetase alpha chain																																				
<b>FN0070</b>	-0.301	17.538	4.828e-2	8.539e-2	0.067	18.090	2.792e-2	1.478e-1	-0.461	17.173	1.237e-4	1.47e-4	-0.161	17.077	1.322e-1	3.363e-1	0.368	17.790	7.383e-2	4.585e-2	-0.528	17.629	5.561e-4	8.676e-4												
AAL94283.1   Glycyl-tRNA synthetase beta chain																																				
<b>FN0071</b>	-0.392	6.392			-0.296	6.671											0.095	6.280																		
AAL94284.1   GTP cyclohydrolase I																																				
<b>FN0072</b>	0.159	12.943	2.316e-1	6.721e-1	0.620	13.588	2.807e-4	5.872e-4	-0.484	12.097	7.448e-5	7.088e-5	-0.643	12.460	9.599e-2	2.054e-1	0.461	13.747	1.498e-1	1.899e-1	-1.103	13.105	8.499e-5	6.994e-5												
AAL94285.1   2-amino-4-hydroxy-6-hydroxymethylidihydropteridine pyrophosphokinase																																				
<b>FN0073</b>	-0.702	10.009	6.226e-2	1.224e-1	-0.528	10.367	2.285e-2	1.186e-1	-1.025	9.482	1.825e-5	7.944e-6	-0.323	8.984	1.884e-1	5.471e-1	0.174	9.665	3.632e-1	7.446e-1	-0.496	9.342	5.559e-2	2.512e-1												
AAL94286.1   Dihydropteroate synthase																																				
<b>FN0074</b>	-0.272	8.272			-0.234	8.494	9.103e-2	5.322e-1	-0.710	7.629			-0.439	7.561			0.038	8.222			-0.476	7.784														
AAL94287.1   Ethanolamine utilization protein eutS																																				
<b>FN0076</b>																																				
AAL94289.1   Ethanolamine two-component response regulator																																				
<b>FN0077</b>	-1.392	4.561			0.632	6.769											2.023	5.378																		
AAL94290.1   Ethanolamine two-component sensor kinase																																				

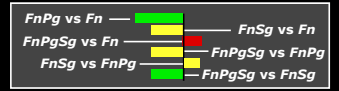
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	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0078</b>	1.882	7.835			1.437	7.574			-0.209	5.540			-2.092	7.626	8.903e-4	2.004e-4	-0.445	9.457	4.438e-2	1.819e-2	-1.646	7.365	7.87e-5	6.302e-5												
	AAL94291.1   Ethanolamine utilization protein eutA																																			
<b>FN0079</b>	0.842	14.037	1.25e-1	3.005e-1	1.007	14.387	4.635e-5	5.506e-5	-1.622	11.369	8.866e-5	9.085e-5	-2.464	12.415	5.957e-2	1.037e-1	0.165	15.228	3.665e-1	7.552e-1	-2.629	12.764	5.808e-5	4.252e-5												
	AAL94292.1   Ethanolamine ammonia-lyase heavy chain																																			
<b>FN0080</b>	0.902	14.623	4.69e-4	1.392e-4	0.180	14.085	3.374e-2	1.823e-1	-0.932	12.585	9.368e-4	2.197e-3	-1.834	13.691	3.228e-6	6.998e-8	-0.723	14.987	3.075e-3	2.684e-4	-1.112	13.153	5.42e-4	8.365e-4												
	AAL94293.1   Ethanolamine ammonia-lyase light chain																																			
<b>FN0081</b>	1.042	14.363	7.517e-2	1.565e-1	1.350	14.856	2.767e-3	1.014e-2	-1.614	11.503	3.069e-5	1.767e-5	-2.656	12.749	3.831e-2	5.419e-2	0.308	15.898	2.664e-1	4.741e-1	-2.964	13.242	1.679e-3	3.728e-3												
	AAL94294.1   Ethanolamine utilization protein eutL																																			
<b>FN0082</b>	1.056	8.758			1.343	9.229			0.534	8.032			-0.522	9.292			0.287	10.285			-0.809	9.763	2.699e-2	1.106e-1												
	AAL94295.1   Ethanolamine utilization protein eutM																																			
<b>FN0083</b>	1.151	15.460	6.376e-2	1.263e-1	0.714	15.208	2.881e-3	1.066e-2	-0.929	13.177	1.214e-3	3.115e-3	-2.079	14.531	4.203e-2	6.167e-2	-0.436	16.359	2.349e-1	3.977e-1	-1.643	14.280	1.247e-3	2.574e-3												
	AAL94296.1   Ethanolamine utilization protein eutM precursor																																			
<b>FN0084</b>	0.119	10.872	4.019e-2	6.639e-2	-0.211	10.727	3.136e-2	1.681e-1	-0.929	9.620	4.369e-4	8.395e-4	-1.048	9.943	4.175e-3	1.977e-3	-0.329	10.846	8.358e-2	5.918e-2	-0.719	9.798	4.306e-3	1.232e-2												
	AAL94297.1   Acetaldehyde dehydrogenase (acetylating)																																			
<b>FN0086</b>																																				
	AAL94299.1   Hypothetical protein																																			
<b>FN0087</b>																	-1.925	6.569																		
	AAL94300.1   Ethanolamine utilization protein eutN																																			
<b>FN0088</b>					0.686	5.654																														
	AAL94301.1   Hypothetical protein																																			
<b>FN0089</b>																																				
	AAL94302.1   Ethanolamine permease																																			
<b>FN0090</b>																	-0.576	6.001	1.706e-1	2.397e-1																
	AAL94303.1   Ethanolamine utilization protein eutQ																																			
<b>FN0091</b>																																				
	AAL94304.1   Phosphoserine phosphatase																																			
<b>FN0092</b>	0.492	10.680	1.89e-1	5.192e-1	0.830	11.203	1.614e-5	1.197e-5	-1.780	8.204	3.482e-5	2.242e-5	-2.272	8.900	7.374e-2	1.389e-1	0.338	11.695	2.975e-1	5.529e-1	-2.611	9.423	1.505e-6	2e-7												
	AAL94305.1   NADPH-dependent butanol dehydrogenase																																			
<b>FN0093</b>	-0.842	16.090	4.414e-3	3.817e-3	-1.914	15.202	4.362e-4	1.028e-3	-0.043	16.685	1.195e-1	6.867e-1	0.798	16.047	1.861e-4	2.318e-5	-1.072	14.361	1.411e-3	6.286e-5	1.871	15.159	1.909e-5	8.535e-6												
	AAL94306.1   Thioredoxin																																			
<b>FN0100</b>	-1.317	9.040	1.103e-2	1.274e-2	-1.531	9.011	2.386e-3	8.457e-3	-0.431	9.723	2.228e-2	1.019e-1	0.886	8.609	3.179e-3	1.339e-3	-0.214	7.693	1.124e-1	1.056e-1	1.100	8.579	1.371e-4	1.308e-4												
	AAL94309.1   Flavodoxins/hemoproteins																																			
<b>FN0102</b>									-0.826	6.687	7.66e-3	3.016e-2																								
	AAL94311.1   Ribonucleoside-diphosphate reductase alpha chain																																			

Show detected proteins only  
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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0103</b>									-1.146	5.146																										
	AAL94312.1   Ribonucleoside-diphosphate reductase beta chain																																			
<b>FN0106</b>	0.481	13.751	4.514e-3	3.942e-3	0.078	13.533	4.921e-2	2.742e-1	0.122	13.189	3.395e-2	1.665e-1	-0.359	13.873	1.242e-2	1.048e-2	-0.403	14.014	2.89e-2	8.559e-3	0.044	13.655	1.123e-1	5.472e-1												
	AAL94315.1   Hypothetical protein																																			
<b>FN0108</b>	1.611	7.947	4.839e-3	4.367e-3	1.487	8.008	9.4e-4	2.763e-3	0.104	6.236			-1.507	8.051			-0.124	9.619	2.944e-1	5.448e-1	-1.384	8.112														
	AAL94317.1   Microcin C7 self-immunity protein mccF																																			
<b>FN0110</b>	0.226	17.666	1.41e-1	3.503e-1	-0.130	17.494	4.738e-3	1.946e-2	-0.076	17.160	6.415e-2	3.414e-1	-0.302	17.590	1.079e-1	2.49e-1	-0.357	17.720	1.514e-1	1.94e-1	0.054	17.418	1.069e-1	5.177e-1												
	AAL94319.1   Seryl-tRNA synthetase																																			
<b>FN0111</b>																																				
	AAL94320.1   unknown																																			
<b>FN0113</b>	0.647	11.693	1.201e-2	1.411e-2	1.648	12.879	2.225e-5	1.905e-5	-1.470	9.373	3.872e-5	2.807e-5	-2.117	10.223	2.542e-3	9.639e-4	1.001	13.526	1.855e-3	1.012e-4	-3.118	11.409	3.382e-6	5.898e-7												
	AAL94322.1   Heat-inducible transcription repressor hrca																																			
<b>FN0114</b>	-0.198	13.784	6.152e-3	6.025e-3	-0.075	14.091	1.259e-1	7.656e-1	0.309	14.087	1.204e-2	5.086e-2	0.507	14.093	1.711e-2	1.713e-2	0.123	13.893	3.326e-1	6.506e-1	0.384	14.400	3.79e-2	1.627e-1												
	AAL94323.1   GrpE protein																																			
<b>FN0116</b>	0.278	20.274	1.647e-1	4.297e-1	0.796	20.976	2.799e-2	1.482e-1	0.016	19.808	1.367e-1	8.016e-1	-0.263	20.290	1.638e-1	4.51e-1	0.517	21.255	1.923e-1	2.94e-1	-0.780	20.992	3.583e-2	1.525e-1												
	AAL94325.1   Chaperone protein dnaK																																			
<b>FN0117</b>	1.094	6.521			1.687	7.298											0.593	8.392																		
	AAL94326.1   O6-methylguanine-DNA methyltransferase																																			
<b>FN0118</b>	-0.984	12.145	2.653e-3	1.89e-3	-0.444	12.870	2.452e-3	8.742e-3	-0.308	12.617	5.011e-6	1.143e-6	0.675	11.837	1.078e-2	8.521e-3	0.540	11.886	3.846e-2	1.406e-2	0.135	12.562	4.615e-2	2.036e-1												
	AAL94327.1   Chaperone protein dnaJ																																			
<b>FN0119</b>	1.972	9.137			2.217	9.566	7.543e-3	3.351e-2									0.245	11.539																		
	AAL94328.1   Flavodoxin																																			
<b>FN0123</b>	-0.480	5.124			-0.005	5.782	1.538e-1	9.655e-1									0.474	5.303																		
	AAL94332.1   ATPase																																			
<b>FN0127</b>																	0.209	5.302																		
	AAL94333.1   Fe-S oxidoreductase																																			
<b>FN0128</b>	-0.982	9.077	3.37e-3	2.639e-3	-0.987	9.255	6.848e-3	2.989e-2	-1.639	8.215	3.046e-4	5.156e-4	-0.658	7.437	8.064e-3	5.4e-3	-0.006	8.274	4.311e-1	9.893e-1	-0.652	7.616	6.216e-2	2.842e-1												
	AAL94334.1   Spermidine/putrescine-binding protein																																			
<b>FN0129</b>																																				
	AAL94335.1   Urease accessory protein ureG																																			
<b>FN0130</b>	-1.187	7.187			-0.093	8.466			-0.159	8.012			1.028	7.028			1.094	7.279			-0.066	8.307	1.747e-1	9.157e-1												
	AAL94336.1   ABC transporter ATP-binding protein																																			
<b>FN0132</b>	-0.378	5.575			-0.484	5.654			0.425	6.174			0.803	5.999	3.244e-2	4.268e-2	-0.105	5.275			0.908	6.078														
	AAL93916.1   Hemolysin																																			

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Dot Plots

Dot Plots

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

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0147</b>	-0.966	10.162	1.213e-2	1.427e-2	-0.653	10.659	7.029e-4	1.917e-3	-0.837	10.087	3.929e-6	8.249e-7	0.129	9.325	2.133e-1	6.501e-1	0.313	9.694	1.912e-1	2.911e-1	-0.184	9.822	2.855e-2	1.178e-1												
	AAL94353.1   PLSX protein																																			
<b>FN0148</b>	-0.177	16.026	5.895e-2	1.129e-1	-0.203	16.184	7.082e-2	4.05e-1	-0.054	15.945	3.576e-2	1.767e-1	0.123	15.972	1.034e-1	2.317e-1	-0.026	16.008	4.133e-1	9.196e-1	0.149	16.131	1.1e-1	5.344e-1												
	AAL94354.1   3-oxoacyl-[acyl-carrier-protein] synthase III																																			
<b>FN0149</b>	-0.210	15.914	1.751e-1	4.672e-1	-1.231	15.077	7.309e-4	2.022e-3	-0.142	15.778	8.342e-2	4.585e-1	0.068	15.772	2.541e-1	8.167e-1	-1.021	14.867	7.968e-2	5.358e-2	1.089	14.935	1.855e-3	4.21e-3												
	AAL94355.1   Malonyl-CoA-[acyl-carrier-protein] transacylase																																			
<b>FN0150</b>	-0.746	11.656	8.561e-4	3.661e-4	-1.071	11.516	6.755e-5	9.361e-5	-0.199	12.000	1.166e-2	4.904e-2	0.548	11.458	3.038e-3	1.249e-3	-0.325	10.769	6.703e-2	3.818e-2	0.873	11.317	2.254e-4	2.589e-4												
	AAL94356.1   Acyl carrier protein																																			
<b>FN0151</b>	-0.793	19.262	5.296e-2	9.695e-2	-0.661	19.578	7.627e-3	3.394e-2	-0.016	19.835	1.398e-1	8.225e-1	0.776	19.246	5.85e-2	1.01e-1	0.132	18.786	3.797e-1	7.991e-1	0.645	19.562	9.456e-3	3.276e-2												
	AAL94357.1   3-oxoacyl-[acyl-carrier-protein] synthase																																			
<b>FN0152</b>	0.663	5.337			0.571	5.429			0.444	4.915			-0.219	5.781			-0.092	6.092			-0.126	5.874														
	AAL94358.1   Ribonuclease III																																			
<b>FN0153</b>																																				
	AAL94359.1   Oxygen-independent coproporphyrinogen III oxidase																																			
<b>FN0154</b>									-0.307	5.666																										
	AAL94360.1   Ribonuclease G																																			
<b>FN0155</b>					-1.221	5.865			-0.070	6.627											1.151	5.795														
	AAL94361.1   Hypothetical protein																																			
<b>FN0156</b>	-0.497	7.347	1.051e-1	2.418e-1	-0.196	7.832	1.188e-1	7.161e-1	0.307	7.947	1.625e-4	2.15e-4	0.804	7.654	4.903e-2	7.721e-2	0.301	7.335	3.425e-1	6.801e-1	0.503	8.139	7.204e-2	3.354e-1												
	AAL94362.1   Phosphopantetheine adenylyltransferase																																			
<b>FN0157</b>					-0.237	6.014	1.592e-3	5.208e-3																												
	AAL94363.1   DNA repair protein RadA																																			
<b>FN0158</b>	-0.530	9.206	3.161e-2	4.837e-2	0.623	10.543	2.694e-3	9.808e-3	-0.730	8.802	5.307e-3	1.963e-2	-0.200	8.476	1.591e-1	4.339e-1	1.153	10.013	6.506e-3	8.764e-4	-1.353	9.813	4.684e-4	6.842e-4												
	AAL94364.1   DNA-binding protein																																			
<b>FN0161</b>																																				
	AAL94367.1   RNA-directed DNA polymerase																																			
<b>FN0164</b>	-0.769	15.858	1.169e-3	6.076e-4	-0.239	16.573	5.724e-2	3.226e-1	-1.297	15.126	3.319e-4	5.799e-4	-0.528	14.561	2.508e-2	2.927e-2	0.530	15.804	1.25e-1	1.294e-1	-1.058	15.276	1.113e-2	3.991e-2												
	AAL94370.1   Anhydro-N-acetylmuramyl-tripeptide amidase																																			
<b>FN0170</b>	0.112	13.730	2.35e-1	6.85e-1	0.706	14.509	8.89e-3	4.064e-2	0.137	13.551	1.406e-3	3.848e-3	0.025	13.867	2.779e-1	9.227e-1	0.594	14.620	9.347e-2	7.553e-2	-0.569	14.645	1.633e-2	6.229e-2												
	AAL94376.1   GTP-binding protein																																			
<b>FN0173</b>	-0.778	10.805	8.21e-2	1.76e-1	0.018	11.786	1.478e-1	9.213e-1	0.284	11.663	6.328e-3	2.416e-2	1.062	11.089	4.654e-2	7.143e-2	0.796	11.007	1.436e-1	1.723e-1	0.266	12.069	4.161e-2	1.811e-1												
	AAL94379.1   Hypothetical protein																																			
<b>FN0174</b>	-0.124	12.708	7.411e-2	1.536e-1	-0.094	12.923	4.424e-2	2.442e-1	0.849	13.478	3.396e-3	1.143e-2	0.973	13.558	1.273e-2	1.087e-2	0.030	12.799	1.465e-1	1.801e-1	0.943	13.772	4.162e-3	1.176e-2												
	AAL94380.1   Enoyl-[acyl-carrier-protein] reductase																																			

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Proteins found: 1424

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Test Cutoff

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Dot Plots

Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
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FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0175</b>	-0.146	8.119	1.763e-1	4.719e-1	<b>0.907</b>	9.357	1.103e-3	3.347e-3	-0.214	7.848			-0.068	7.905			1.054	9.211	6.296e-3	8.271e-4	-1.121	9.143														
AAL94381.1   Cell division inhibitor MinC																																				
<b>FN0176</b>	0.146	15.160	7.733e-2	1.624e-1	<b>0.785</b>	15.983	1.232e-4	2.054e-4	0.209	15.019	2.682e-2	1.26e-1	0.063	15.369	2.052e-1	6.188e-1	<b>0.638</b>	16.129	3.194e-3	2.913e-4	<b>-0.576</b>	16.192	7.056e-4	1.212e-3												
AAL94382.1   Cell division inhibitor MinD																																				
<b>FN0177</b>	-1.762	5.841							-0.050	7.349	1.285e-1	7.461e-1	1.712	5.790																						
AAL94383.1   Cell division inhibitor MinE																																				
<b>FN0178</b>	<b>-1.229</b>	11.977	5.813e-4	1.931e-4	<b>-1.525</b>	11.866	9.301e-7	1.343e-7	<b>-0.978</b>	12.024	3.175e-5	1.88e-5	0.251	10.999	7.306e-2	1.371e-1	-0.296	10.637	1.257e-1	1.31e-1	<b>0.546</b>	10.888	1.39e-3	2.937e-3												
AAL94384.1   UNC-44 ankyrins																																				
<b>FN0179</b>	1.260	11.281	9.709e-2	2.186e-1	-0.200	10.006	8.015e-2	4.63e-1	-0.461	9.357	1.498e-2	6.506e-2	-1.721	10.821	8.15e-2	1.602e-1	-1.460	11.266	1.493e-1	1.882e-1	-0.260	9.545	9.701e-2	4.647e-1												
AAL94385.1   Ankyrin repeat proteins																																				
<b>FN0180</b>																					0.708	5.680														
AAL94386.1   Tetratricopeptide repeat family protein																																				
<b>FN0181</b>	0.337	9.382	1.942e-1	5.371e-1	0.505	9.734	1.944e-2	9.927e-2	-0.669	8.172	3.035e-2	1.456e-1	-1.006	8.713	8.424e-2	1.682e-1	0.168	10.072	3.454e-1	6.89e-1	<b>-1.174</b>	9.065	1.618e-3	3.554e-3												
AAL94387.1   Hypothetical protein																																				
<b>FN0182</b>	1.741	13.880	9.767e-2	2.203e-1	<b>3.099</b>	15.422	3.534e-7	3.74e-8	-0.020	11.915	1.551e-1	9.294e-1	-1.761	13.860	9.97e-2	2.183e-1	1.358	17.164	6.972e-2	4.109e-2	<b>-3.119</b>	15.402	1.447e-5	5.349e-6												
AAL94388.1   Sarcosine oxidase alpha subunit																																				
<b>FN0183</b>	0.669	14.512	1.728e-1	4.589e-1	<b>1.523</b>	15.550	3.969e-5	4.325e-5	0.222	13.861	4.094e-2	2.068e-1	-0.448	14.734	1.98e-1	5.877e-1	0.853	16.220	1.397e-1	1.623e-1	<b>-1.301</b>	15.772	4.587e-5	3.095e-5												
AAL94389.1   Glycerol-3-phosphate dehydrogenase																																				
<b>FN0185</b>	-0.190	8.139	2.186e-1	6.238e-1	0.084	8.597	1.319e-1	8.073e-1	-0.703	7.422	3.725e-2	1.852e-1	-0.513	7.436	6.967e-3	4.177e-3	0.274	8.408	8.045e-3	1.272e-3	<b>-0.787</b>	7.895	3.582e-4	4.845e-4												
AAL94391.1   Hypothetical protein																																				
<b>FN0188</b>																																				
AAL94394.1   Peptide methionine sulfoxide reductase																																				
<b>FN0189</b>													-1.400	7.244			-0.627	8.202			<b>-0.773</b>	6.802	4.787e-3	1.42e-2												
AAL94395.1   Two-component response regulator yesN																																				
<b>FN0190</b>	-0.711	5.687			-0.535	6.047											0.175	5.336	3.371e-1	6.64e-1																
AAL94396.1   Two-component sensor kinase yesM																																				
<b>FN0191</b>	0.135	9.220	2.069e-1	5.817e-1	0.605	9.874	1.279e-2	6.207e-2	-0.956	7.924	5.339e-3	1.977e-2	-1.092	8.263	2.389e-2	2.73e-2	0.470	10.009	1.254e-1	1.304e-1	<b>-1.562</b>	8.917	2.196e-3	5.195e-3												
AAL94397.1   helix-turn-helix DNA-binding protein																																				
<b>FN0192</b>	-2.863	10.863			<b>-2.532</b>	11.379	5.468e-5	6.886e-5	<b>-1.560</b>	11.963	2.817e-4	4.648e-4	1.303	9.303			0.331	8.516			<b>0.972</b>	9.819	7.334e-4	1.277e-3												
AAL94398.1   Dipeptide-binding protein																																				
<b>FN0197</b>					-0.162	4.806																														
AAL94403.1   Methyltransferase																																				
<b>FN0198</b>									0.119	5.211	1.087e-1	6.173e-1																								
AAL94404.1   Transcriptional regulatory protein																																				

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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0199</b>	0.589	11.112	1.742e-3	1.054e-3	0.776	11.484	1.755e-4	3.272e-4	0.034	10.353	1.476e-1	8.765e-1	-0.556	11.146	2.543e-2	2.985e-2	0.187	12.073	9.129e-2	7.165e-2	-0.742	11.518	3.161e-3	8.198e-3												
AAL94405.1   Hypothetical protein																																				
<b>FN0200</b>	-1.336	20.587	1.877e-2	2.497e-2	-2.133	19.975	1.742e-7	1.324e-8	-1.580	20.140	6.631e-7	7.146e-8	-0.244	19.007	2.26e-1	6.999e-1	-0.797	18.638	2.076e-2	3.302e-1	0.553	18.395	8.884e-6	2.354e-6												
AAL94406.1   Biotin carboxyl carrier protein of glutaconyl-CoA decarboxylase																																				
<b>FN0202</b>	-0.590	19.813	2.697e-3	1.932e-3	-0.967	19.622	6.741e-5	9.332e-5	0.046	20.246	1.346e-1	7.871e-1	0.637	19.860	3.092e-2	3.975e-2	-0.376	19.031	1.858e-2	4.165e-3	1.013	19.668	4.71e-3	1.39e-2												
AAL94408.1   Glutaconate CoA-transferase subunit A																																				
<b>FN0203</b>	0.084	21.144	2.282e-1	6.59e-1	-0.582	20.663	7.506e-4	2.098e-3	-0.570	20.287	9.913e-4	2.364e-3	-0.654	20.575	3.03e-2	3.86e-2	-0.666	20.747	6.635e-2	3.747e-2	0.012	20.093	1.755e-1	9.207e-1												
AAL94409.1   Glutaconate CoA-transferase subunit B																																				
<b>FN0204</b>	-0.493	21.327	1.772e-2	2.309e-2	-0.312	21.692	7.16e-3	3.155e-2	-0.211	21.405	4.17e-3	1.466e-2	0.282	21.116	5.991e-2	1.045e-1	0.181	21.199	1.987e-1	3.098e-1	0.101	21.482	7.827e-2	3.674e-1												
AAL94410.1   Glutaconyl-CoA decarboxylase A subunit																																				
<b>FN0206</b>	-0.444	12.567	1.01e-1	2.3e-1	-1.164	12.032	2.516e-4	5.09e-4	-0.994	11.813	1.258e-6	1.822e-7	-0.550	11.572	1.166e-1	2.787e-1	-0.719	11.587	1.542e-1	2.005e-1	0.170	11.038	5.194e-2	2.327e-1												
AAL94412.1   Activator of (R)-2-hydroxyglutaryl-CoA dehydratase																																				
<b>FN0207</b>	-0.327	19.040	1.127e-1	2.635e-1	-0.565	18.986	1.392e-5	9.757e-6	-0.338	18.825	8.945e-5	9.205e-5	-0.011	18.701	2.878e-1	9.689e-1	-0.238	18.659	2.657e-1	4.725e-1	0.227	18.648	1.91e-4	2.051e-4												
AAL94413.1   (R)-2-hydroxyglutaryl-CoA dehydratase alpha-subunit																																				
<b>FN0208</b>	-0.455	17.834	2.923e-3	2.161e-3	-0.732	17.742	3.443e-4	7.682e-4	-0.233	17.852	4.31e-4	8.251e-4	0.222	17.601	1.793e-2	1.826e-2	-0.277	17.287	5.334e-2	2.581e-2	0.499	17.509	8.199e-4	1.491e-3												
AAL94414.1   (R)-2-hydroxyglutaryl-CoA dehydratase beta-subunit																																				
<b>FN0209</b>	-0.386	17.986	7.596e-4	2.975e-4	-0.604	17.952	5.39e-3	2.255e-2	-0.455	17.713	3.089e-5	1.788e-5	-0.069	17.531	8.653e-2	1.75e-1	-0.218	17.566	1.837e-1	2.717e-1	0.149	17.497	9.177e-2	4.371e-1												
AAL94415.1   Hypothetical cytosolic protein																																				
<b>FN0212</b>	-0.009	9.149	3.045e-1	9.76e-1	-0.493	8.850	1.5e-3	4.861e-3	-0.593	8.361	5.343e-3	1.979e-2	-0.584	8.556	8.801e-2	1.795e-1	-0.484	8.841	1.657e-1	2.279e-1	-0.101	8.257	1.233e-1	6.084e-1												
AAL94418.1   Hypothetical protein																																				
<b>FN0214</b>																																				
AAL94420.1   Crossover junction endodeoxyribonuclease ruvC																																				
<b>FN0218</b>	0.516	14.609	6.593e-2	1.321e-1	-0.964	13.314	7.957e-5	1.179e-4	-1.149	12.740	1.827e-4	2.538e-4	-1.665	13.460	1.814e-2	1.856e-2	-1.480	13.829	4.689e-2	2.01e-2	-0.185	12.164	4.958e-2	2.207e-1												
AAL94424.1   Anthranilate synthase component II																																				
<b>FN0219</b>	0.304	4.866			1.435	6.180			0.986	5.344			0.682	5.852			1.130	6.485			-0.448	7.166														
AAL94425.1   Autolysin response regulator																																				
<b>FN0221</b>	0.220	11.462	3.049e-2	4.613e-2	-0.581	10.846	2.334e-5	2.036e-5	0.683	11.721	9.094e-3	3.691e-2	0.463	12.145	4.803e-2	7.484e-2	-0.801	11.066	1.214e-2	2.271e-3	1.264	11.528	4.095e-3	1.15e-2												
AAL94427.1   Carbon starvation protein A																																				
<b>FN0224</b>	-0.910	8.992	1.518e-2	1.886e-2	-1.410	8.676	1.294e-3	4.071e-3	-0.636	9.062	7.015e-3	2.723e-2	0.274	8.356	1.616e-1	4.431e-1	-0.500	7.766	1.859e-1	2.773e-1	0.774	8.040	1.765e-2	6.82e-2												
AAL94430.1   Excinuclease ABC subunit B																																				
<b>FN0225</b>																	-0.507	3.677																		
AAL94431.1   Gluconate permease																																				
<b>FN0226</b>	-0.258	12.152	4.659e-3	4.129e-3	-1.034	11.561	2.8e-4	5.852e-4	-0.441	11.765	3.279e-6	6.51e-7	-0.183	11.711	1.556e-2	1.502e-2	-0.776	11.303	3.264e-3	3.059e-4	0.592	11.120	1.971e-3	4.537e-3												
AAL94432.1   Pyridoxal phosphate biosynthetic protein pdxA																																				

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ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0227</b>																0.230	4.414																			
	AAL94433.1   Hypothetical protein																																			
<b>FN0233</b>	-0.178	12.478	1.701e-1	4.491e-1	-0.734	12.106	2.775e-4	5.783e-4	-0.444	12.009	2.958e-3	9.715e-3	-0.266	12.035	1.317e-1	3.341e-1	-0.557	11.929	1.174e-1	1.145e-1	0.291	11.663	6.601e-3	2.126e-2												
	AAL94439.1   Hypothetical protein																																			
<b>FN0234</b>	-0.582	7.501			-0.310	7.958	1.264e-2	6.125e-2									0.272	7.375																		
	AAL94440.1   unknown																																			
<b>FN0235</b>																																				
	AAL94441.1   ABC transporter ATP-binding protein																																			
<b>FN0236</b>	0.731	16.378	1.67e-1	4.38e-1	-1.222	14.608	2.996e-4	6.409e-4	-0.360	15.082	2.733e-3	8.803e-3	-1.091	16.017	1.278e-1	3.191e-1	-1.954	15.340	1.515e-1	1.943e-1	0.862	14.248	6.066e-4	9.851e-4												
	AAL94442.1   ABC transporter substrate-binding protein																																			
<b>FN0237</b>																																				
	AAL94443.1   ABC transporter permease protein																																			
<b>FN0238</b>	-0.136	10.982	2.095e-1	5.91e-1	-1.033	10.270	1.535e-4	2.777e-4	-0.547	10.368	8.482e-3	3.398e-2	-0.410	10.436	1.077e-1	2.483e-1	-0.897	10.134	8.445e-2	6.049e-2	0.486	9.723	2.967e-2	1.23e-1												
	AAL94444.1   Hypothetical protein																																			
<b>FN0240</b>	-0.078	13.135	1.549e-1	3.959e-1	-0.797	12.601	8.865e-4	2.574e-3	-0.155	12.854	3.066e-2	1.474e-1	-0.077	12.981	1.268e-1	3.154e-1	-0.719	12.523	2.403e-2	6.248e-3	0.642	12.446	3.401e-3	8.998e-3												
	AAL94446.1   Thymidylate synthase																																			
<b>FN0241</b>	0.165	9.300	2.215e-1	6.345e-1	0.394	9.714	2.811e-2	1.489e-1	-1.298	7.633	8.746e-3	3.524e-2	-1.464	8.002	2.475e-2	2.871e-2	0.229	9.879	2.275e-1	3.785e-1	-1.693	8.416	6.776e-4	1.148e-3												
	AAL94447.1   Dihydrofolate reductase																																			
<b>FN0242</b>	-0.011	12.011			0.936	13.142	2.68e-3	9.744e-3	-1.748	10.070	2.019e-5	9.157e-6	-1.737	10.263			0.947	13.131			-2.684	11.394	8.481e-4	1.565e-3												
	AAL94448.1   Trk system potassium uptake protein trkA																																			
<b>FN0243</b>	0.210	9.190			0.487	9.651	5.927e-2	3.348e-1	-2.031	6.746			-2.241	7.160			0.276	9.862			-2.517	7.621														
	AAL94449.1   Poly(A) polymerase																																			
<b>FN0244</b>	-1.191	7.835			-1.640	7.571											-0.449	6.379																		
	AAL94450.1   COP associated protein																																			
<b>FN0245</b>	-0.922	6.922			-0.330	7.699	2.374e-3	8.403e-3	-1.235	6.405			-0.313	5.687			0.592	6.777			-0.905	6.464														
	AAL94451.1   Copper-exporting ATPase																																			
<b>FN0247</b>	-1.109	14.471	1.669e-2	2.132e-2	-0.290	15.475	6.662e-8	3.15e-9	-0.127	15.249	9.125e-2	5.071e-1	0.982	14.343	2.788e-2	3.415e-2	0.819	14.365	8.486e-2	6.112e-2	0.163	15.347	9.41e-2	4.493e-1												
	AAL94453.1   Hypothetical cytosolic protein																																			
<b>FN0248</b>													-2.120	8.664			0.180	11.149			-2.300	9.029														
	AAL94454.1   Hypothetical Exported Protein																																			
<b>FN0249</b>	-1.626	14.269	5.543e-3	5.222e-3	-1.817	14.263	4.337e-4	1.021e-3	-0.813	14.879	2.894e-5	1.594e-5	0.814	13.456	5.184e-2	8.412e-2	-0.190	12.637	3.647e-1	7.496e-1	1.004	13.451	5.799e-3	1.815e-2												
	AAL94455.1   unknown																																			
<b>FN0250</b>	-0.589	13.778	8.361e-2	1.803e-1	-0.996	13.556	3.358e-3	1.293e-2	0.063	14.226	5.06e-2	2.621e-1	0.652	13.840	7.563e-2	1.439e-1	-0.406	12.967	2.74e-1	4.926e-1	1.058	13.619	4.575e-3	1.338e-2												
	AAL94456.1   unknown																																			

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ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0251</b>	-0.361	15.648	1.844e-1	5.025e-1	<b>-2.496</b>	13.698	1.488e-4	2.659e-4	-0.104	15.702	1.066e-1	6.041e-1	0.257	15.544	2.138e-1	6.518e-1	-2.135	13.336	1.251e-1	1.297e-1	<b>2.392</b>	13.594	2.816e-3	7.096e-3												
AAL94457.1   Hypothetical membrane-spanning Protein																																				
<b>FN0252</b>	1.100	17.889	6.173e-2	1.209e-1	<b>0.575</b>	17.548	2.44e-4	4.894e-4	<b>-0.338</b>	16.247	1.241e-3	3.212e-3	-1.438	17.551	5.197e-2	8.444e-2	-0.525	18.648	1.974e-1	3.071e-1	<b>-0.913</b>	17.211	3.001e-5	1.622e-5												
AAL94458.1   unknown																																				
<b>FN0253</b>	-0.332	15.532			0.460	16.509	4.768e-2	2.649e-1	0.155	15.816	2.243e-2	1.027e-1	0.488	15.687			0.792	16.177			-0.305	16.664	8.723e-2	4.134e-1												
AAL94459.1   Outer membrane protein																																				
<b>FN0254</b>	<b>-0.864</b>	19.214	3.416e-3	2.688e-3	<b>-1.035</b>	19.228	3.087e-6	9.382e-7	<b>-1.120</b>	18.754	4.687e-4	9.187e-4	-0.256	18.094	1.078e-1	2.488e-1	-0.171	18.364	2.091e-1	3.337e-1	-0.085	18.108	1.214e-1	5.977e-1												
AAL94460.1   Fusobacterium outer membrane protein family																																				
<b>FN0258</b>	-1.074	6.733	3.329e-2	5.181e-2	-1.188	6.803			-1.444	6.159			-0.370	5.289			-0.115	5.730			-0.256	5.359														
AAL94464.1   Zinc-transporting ATPase																																				
<b>FN0259</b>																																				
AAL94465.1   Zinc-transporting ATPase																																				
<b>FN0260</b>																																				
AAL94466.1   Transcriptional repressor smtB																																				
<b>FN0261</b>	-1.252	9.331			<b>-1.840</b>	8.927	1.912e-5	1.542e-5	<b>-1.556</b>	8.822	3.891e-5	2.839e-5	-0.304	7.774			-0.588	7.675			0.284	7.370	4.485e-2	1.971e-1												
AAL94467.1   Pyruvate formate-lyase activating enzyme																																				
<b>FN0262</b>	<b>-1.824</b>	23.015	4.137e-3	3.483e-3	<b>-2.335</b>	22.689	1.237e-5	8.314e-6	<b>-0.198</b>	24.438	9.858e-4	2.347e-3	1.627	22.818	9.508e-3	6.973e-3	-0.511	20.865	2.411e-1	4.134e-1	<b>2.137</b>	22.492	8.649e-11	5.458e-13												
AAL94468.1   Formate acetyltransferase																																				
<b>FN0263</b>	-0.370	16.995	1.843e-1	5.019e-1	<b>-1.850</b>	15.700	1.178e-5	7.68e-6	<b>-1.266</b>	15.895	2.808e-5	1.515e-5	-0.896	15.729	1.265e-1	3.142e-1	-1.480	15.329	1.508e-1	1.925e-1	<b>0.584</b>	14.433	4.604e-3	1.349e-2												
AAL94469.1   Peptidyl-prolyl cis-trans isomerase																																				
<b>FN0264</b>	-0.911	16.196	1.619e-2	2.05e-2	<b>-0.960</b>	16.331	3.951e-3	1.586e-2	<b>-0.264</b>	16.639	2.791e-3	9.033e-3	0.647	15.932	4.078e-2	5.91e-2	-0.049	15.420	4.096e-1	9.058e-1	0.696	16.067	1.196e-2	4.339e-2												
AAL94470.1   Hypothetical protein																																				
<b>FN0265</b>	-1.308	8.227			<b>-1.763</b>	7.956	4.807e-4	1.165e-3	-2.080	7.250			-0.773	6.146			-0.455	6.649			-0.318	5.876														
AAL94471.1   Cell division protein ftsX																																				
<b>FN0266</b>	-1.145	7.145							-2.100	5.985			-0.956	5.044																						
AAL94472.1   membrane protein related to metalloendopeptidase																																				
<b>FN0267</b>	-0.759	5.929			-0.436	6.436											0.323	5.677																		
AAL94473.1   ATP-NAD kinase																																				
<b>FN0268</b>	-0.137	7.964			0.250	8.535			-2.006	5.891			-1.869	5.958			0.386	8.398			-2.256	6.529														
AAL94474.1   DNA repair protein recN																																				
<b>FN0270</b>					<b>-1.169</b>	5.872	7.405e-4	2.059e-3	<b>-1.136</b>	5.516	2.84e-4	4.698e-4									0.033	4.735	1.521e-1	7.763e-1												
AAL94476.1   GTP-binding protein era																																				
<b>FN0271</b>	0.783	6.832			0.093	6.327	1.263e-1	7.684e-1	-0.923	4.923			-1.705	5.909			-0.690	7.110			-1.016	5.404														
AAL94477.1   Enoyl-CoA hydratase																																				

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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



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0272</b>	-0.713	4.713			0.588	6.199											1.301	5.486																		
	AAL94478.1   Acetoacetate:butyrate/acetate coenzyme A transferase																																			
<b>FN0273</b>																	-1.074	7.111																		
	AAL94479.1   Butyrate-acetoacetate CoA-transferase subunit B																																			
<b>FN0276</b>	1.319	9.021			1.928	9.815			-1.749	5.749			-3.068	7.272			0.609	11.134			-3.677	8.066														
	AAL94482.1   Sodium-dependent phosphate transporter																																			
<b>FN0277</b>	-0.304	7.393	7.804e-2	1.644e-1	-0.494	7.388	2.194e-2	1.134e-1	-0.579	6.914	1.193e-2	5.032e-2	-0.275	6.814	1.447e-2	1.332e-2	-0.190	7.083	2.604e-2	4.596e-1	-0.085	6.808	1.476e-1	7.491e-1												
	AAL94483.1   Hypothetical protein																																			
<b>FN0278</b>	-0.096	16.203	9.868e-2	2.233e-1	-0.560	15.924	4.407e-5	5.09e-5	0.277	16.373	2.187e-2	9.985e-2	0.373	16.480	3.447e-2	4.684e-2	-0.464	15.828	2.93e-2	8.761e-3	0.837	16.201	3.591e-3	9.653e-3												
	AAL94484.1   Xaa-His dipeptidase																																			
<b>FN0279</b>	0.946	13.128	1.364e-1	3.36e-1	1.561	13.927	1.692e-4	3.134e-4	-0.558	11.420	6.44e-6	1.66e-6	-1.504	12.570	1.006e-1	2.215e-1	0.615	14.873	1.932e-1	2.964e-1	-2.119	13.369	1.953e-4	2.115e-4												
	AAL94485.1   Lipoprotein																																			
<b>FN0280</b>	-0.987	13.362	4.062e-2	6.736e-2	-0.787	13.745	4.364e-5	5.015e-5	-0.804	13.341	7.714e-6	2.203e-6	0.183	12.558	2.323e-1	7.252e-1	0.199	12.759	3.492e-1	7.006e-1	-0.017	12.941	1.276e-1	6.33e-1												
	AAL94486.1   Hypothetical protein																																			
<b>FN0281</b>	-0.491	11.913	9.66e-2	2.172e-1	0.841	13.430	6.426e-3	2.77e-2	-1.928	10.273	2.801e-5	1.509e-5	-1.437	9.985	5.448e-2	9.099e-2	1.332	12.939	2.707e-2	7.662e-3	-2.769	11.502	1.689e-3	3.756e-3												
	AAL94487.1   DNA polymerase III alpha subunit																																			
<b>FN0282</b>	-0.017	10.968	2.942e-1	9.293e-1	0.138	11.307	6.655e-2	3.789e-1	-0.165	10.616	8.002e-2	4.372e-1	-0.148	10.803	1.813e-1	5.182e-1	0.154	11.290	2.31e-1	3.874e-1	-0.302	11.142	3.537e-2	1.503e-1												
	AAL94488.1   Hypothetical protein																																			
<b>FN0283</b>	-1.392	8.035			-1.636	7.976			-1.932	7.291			-0.541	6.103			-0.244	6.584			-0.296	6.044														
	AAL94489.1   tRNA (Guanine-N1) -methyltransferase																																			
<b>FN0284</b>	1.792	9.609			1.667	9.668	1.303e-3	4.103e-3	0.337	7.950	7.893e-2	4.305e-1	-1.455	9.946			-0.125	11.460			-1.330	10.005	2.036e-3	4.722e-3												
	AAL94490.1   16S rRNA processing protein rimM																																			
<b>FN0285</b>	2.474	7.035							1.943	6.300			-0.531	8.978																						
	AAL94491.1   RNA binding protein																																			
<b>FN0287</b>	0.047	7.354			-0.460	7.032	2.728e-2	1.441e-1	-0.675	6.428	2.962e-4	4.968e-4	-0.722	6.679			-0.507	7.079			-0.215	6.357	1.081e-1	5.241e-1												
	AAL94493.1   Dimethyladenosine transferase																																			
<b>FN0288</b>	0.806	10.873	8.985e-2	1.977e-1	0.674	10.925	4.516e-5	5.287e-5	0.338	10.201	3.316e-2	1.618e-1	-0.468	11.210	1.418e-1	3.721e-1	-0.132	11.731	3.674e-1	7.582e-1	-0.336	11.262	2.47e-2	1.002e-1												
	AAL94494.1   Hypoxanthine-guanine phosphoribosyltransferase																																			
<b>FN0290</b>																																				
	AAL94496.1   Hemolysin																																			
<b>FN0291</b>	1.345	5.298			0.253	4.391			0.270	4.019			-1.075	5.568			-1.092	5.736			0.017	4.661														
	AAL94497.1   Hemolysin																																			
<b>FN0294</b>	-0.806	15.296	8.268e-3	9.034e-3	-1.901	14.385	2.457e-5	2.192e-5	-0.403	15.495	3.238e-4	5.605e-4	0.403	14.893	5.492e-2	9.217e-2	-1.095	13.579	4.651e-2	1.98e-2	1.498	13.983	4.768e-4	7.007e-4												
	AAL94500.1   Transketolase subunit A																																			

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yes	+	ratios, bars
no	n/a	bars
yes	-	ratios, bars
yes	+	p-, q-Values
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FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0295</b> AAL94501.1  Transketolase	0.025	14.942	2.939e-1	9.281e-1	-0.904	14.198	1.199e-4	1.978e-4	-0.486	14.228	1.671e-3	4.845e-3	-0.510	14.457	8.978e-2	1.851e-1	-0.929	14.223	9.08e-2	7.081e-2	0.418	13.712	3.996e-3	1.113e-2												
<b>FN0296</b> AAL94502.1  Hypothetical cytosolic protein	0.286	11.332	1.34e-1	3.283e-1	0.166	11.396	6.794e-4	1.83e-3	0.648	11.491	2.681e-3	8.596e-3	0.363	11.980	8.364e-2	1.664e-1	-0.120	11.682	3.291e-1	6.404e-1	0.483	12.045	5.828e-3	1.827e-2												
<b>FN0297</b> AAL94503.1  ATPase associated with chromosome architecture/replication	0.274	7.325	2.215e-1	6.344e-1	1.165	8.400	1.973e-3	6.701e-3	-0.481	6.366			-0.755	6.844			0.890	8.674	8.369e-2	5.936e-2	-1.646	7.919														
<b>FN0298</b> AAL94504.1  Histidyl-tRNA synthetase	0.398	15.651	1.757e-1	4.697e-1	0.466	15.903	6.287e-4	1.652e-3	-0.036	15.012	9.846e-2	5.526e-1	-0.434	15.615	1.604e-1	4.385e-1	0.068	16.301	4.025e-1	8.796e-1	-0.502	15.867	7.901e-8	2.493e-9												
<b>FN0299</b> AAL94505.1  Aspartyl-tRNA synthetase	-0.529	15.954	6.556e-2	1.311e-1	-0.265	16.401	6.204e-4	1.623e-3	-0.090	16.188	1.752e-2	7.775e-2	0.439	15.864	9.365e-2	1.976e-1	0.263	15.873	2.449e-1	4.227e-1	0.175	16.311	3.052e-3	7.844e-3												
<b>FN0305</b> AAL94511.1  Iron(III) dicitrate-binding protein									-0.100	3.649																										
<b>FN0307</b> AAL94513.1  Iron(III) dicitrate transport ATP-binding protein fecE																																				
<b>FN0308</b> AAL94514.1  Iron(III)-binding protein	-0.517	16.825	1.128e-3	5.716e-4	0.247	17.772	2.211e-3	7.692e-3	-0.343	16.795	1.812e-2	8.08e-2	0.174	16.482	1.426e-1	3.748e-1	0.763	17.256	1.419e-3	6.376e-5	-0.590	17.429	3.99e-3	1.11e-2												
<b>FN0309</b> AAL94515.1  Iron(III)-transport system permease protein sfuB									-0.359	6.220																										
<b>FN0310</b> AAL94516.1  Iron(III)-transport ATP-binding protein sfuC	-0.888	13.719	1.399e-2	1.701e-2	-1.748	13.044	7.401e-6	3.645e-6	-0.601	13.803	3.806e-3	1.311e-2	0.287	13.118	1.467e-1	3.896e-1	-0.860	12.155	1.081e-1	9.826e-2	1.147	12.443	4.279e-3	1.222e-2												
<b>FN0311</b> AAL94517.1  Anaerobic ribonucleoside-triphosphate reductase	-0.932	13.015	1.996e-2	2.706e-2	0.278	14.409	2.202e-3	7.657e-3	-0.226	13.517	1.285e-2	5.469e-2	0.706	12.789	4.3e-2	6.368e-2	1.210	13.477	2.582e-2	7.09e-3	-0.504	14.183	8.717e-4	1.621e-3												
<b>FN0313</b> AAL94519.1  16S rRNA m(5)C 967 methyltransferase	-0.943	8.558			-0.127	9.558	1.263e-1	7.682e-1	-2.327	6.970			-1.384	6.231			0.816	8.615			-2.199	7.231														
<b>FN0314</b> AAL94520.1  Caffeoyl-CoA O-methyltransferase																	0.280	6.465																		
<b>FN0315</b> AAL94521.1  Transcriptional regulator, AraC family																	-0.369	6.459																		
<b>FN0316</b> AAL94522.1  Hypothetical protein	-0.584	9.667			-1.888	8.548	1.29e-3	4.053e-3	-0.223	9.825	4.806e-2	2.474e-1	0.361	9.445			-1.304	7.964			1.665	8.325	5.114e-4	7.712e-4												
<b>FN0317</b> AAL94523.1  Tryptophan synthase beta chain	0.441	8.024	1.622e-1	4.21e-1	1.397	9.164	1.666e-6	3.453e-7	-0.857	6.522	1.105e-2	4.61e-2	-1.298	7.167	6.799e-2	1.241e-1	0.956	9.605	7.221e-2	4.392e-2	-2.254	8.308	2.366e-4	2.776e-4												
<b>FN0319</b> AAL94525.1  Citrate (pro-3S)-lyase ligase	-0.418	6.033			-0.061	6.574	1.346e-1	8.262e-1	-0.766	5.481			-0.348	5.267			0.357	6.156			-0.705	5.808														

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no	n/a	bars
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FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs FnPg — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																							
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6													
<b>FN0320</b> AAL94526.1   Hypothetical cytosolic protein	-0.089	9.430	1.812e-1	4.901e-1	<b>-1.308</b>	8.395	3.111e-4	6.747e-4	<b>0.484</b>	9.799	1.113e-5	3.673e-6	0.573	9.914	9.886e-3	7.411e-3	-1.219	8.306	9.754e-3	1.653e-3	<b>1.792</b>	8.879	1.383e-4	1.325e-4																								
<b>FN0321</b> AAL94527.1   Heat shock protein htpG	0.268	13.895	1.544e-1	3.944e-1	<b>0.889</b>	14.701	4.346e-3	1.766e-2	0.075	13.499	8.253e-2	4.529e-1	-0.193	13.971	1.807e-1	5.161e-1	0.621	14.969	8.387e-2	5.963e-2	-0.814	14.776	6.964e-3	2.27e-2																								
<b>FN0322</b> AAL94528.1   Fructose-bisphosphate aldolase	0.176	21.395	1.898e-1	5.221e-1	0.336	21.739	1.279e-2	6.211e-2	0.111	21.126	3.666e-2	1.818e-1	-0.065	21.505	2.509e-1	8.028e-1	0.160	21.915	2.94e-1	5.436e-1	-0.225	21.849	3.356e-2	1.415e-1																								
<b>FN0325</b> AAL94529.1   LSU ribosomal protein L20P	-4.103	8.182			-4.235	8.235			<b>1.139</b>	13.220	2.875e-3	9.372e-3	5.242	9.320							-0.132	4.132			5.373	9.373																						
<b>FN0326</b> AAL94530.1   LSU ribosomal protein L35P									1.302	7.274																																						
<b>FN0327</b> AAL94531.1   Bacterial Protein Translation Initiation Factor 3 (IF-3)	-2.002	11.049			<b>-1.747</b>	11.489	4.453e-4	1.056e-3	<b>-1.855</b>	10.992	1.798e-4	2.48e-4	0.147	9.194			0.255	9.487			-0.108	9.634	1.507e-1	7.677e-1																								
<b>FN0329</b> AAL94533.1   LSU ribosomal protein L13P	-0.359	18.255	9.469e-2	2.116e-1	<b>-0.950</b>	17.849	1.405e-4	2.458e-4	<b>-0.651</b>	17.760	3.448e-4	6.117e-4	-0.292	17.604	1.452e-1	3.843e-1	-0.590	17.490	1.37e-1	1.557e-1	0.299	17.198	7.56e-3	2.512e-2																								
<b>FN0330</b> AAL94534.1   SSU ribosomal protein S9P	<b>-1.152</b>	12.311	2.453e-3	1.701e-3	<b>-1.857</b>	11.791	2.129e-4	4.128e-4	<b>0.826</b>	14.085	1.409e-4	1.774e-4	<b>1.977</b>	13.137	1.227e-4	1.328e-5	-0.705	10.639	1.334e-1	1.474e-1	<b>2.682</b>	12.617	1.481e-5	5.583e-6																								
<b>FN0331</b> AAL94535.1   Hypothetical protein	-1.077	11.208	3.941e-2	6.465e-2	-0.199	12.270	2.748e-2	1.452e-1	<b>-0.216</b>	11.866	1.345e-6	2.051e-7	0.862	10.992	6.879e-2	1.261e-1	0.878	11.193	1.185e-1	1.166e-1	-0.016	12.055	1.707e-1	8.905e-1																								
<b>FN0332</b> AAL94536.1   Magnesium and cobalt transport protein corA													0.102	5.717			0.740	6.539			-0.638	6.641																										
<b>FN0333</b> AAL94537.1   Glycerol uptake operon antiterminator regulatory protein																	-0.137	6.047																														
<b>FN0334</b> AAL94538.1   Aspartate/aromatic aminotransferase	-0.173	14.224	1.787e-1	4.807e-1	<b>0.615</b>	15.196	1.787e-3	5.959e-3	<b>-0.088</b>	14.104	2.244e-3	6.939e-3	0.084	14.135	2.331e-1	7.288e-1	0.788	15.023	3.433e-2	1.159e-2	<b>-0.704</b>	15.108	2.038e-3	4.73e-3																								
<b>FN0335</b> AAL94539.1   Outer membrane porin F	-0.593	20.284	5.665e-2	1.066e-1	<b>0.528</b>	21.589	2.478e-3	8.853e-3	<b>-0.800</b>	19.873	1.018e-4	1.121e-4	-0.207	19.484	1.993e-1	5.932e-1	1.121	20.996	2.564e-2	7.002e-3	<b>-1.328</b>	20.789	8.524e-4	1.576e-3																								
<b>FN0336</b> AAL94540.1   Hypothetical protein	-1.726	11.635			<b>-1.423</b>	12.122	2.481e-4	5e-4	<b>-0.757</b>	12.400	1.222e-3	3.141e-3	0.969	10.878			0.303	10.396			0.666	11.366	9.5e-3	3.294e-2																								
<b>FN0341</b> AAL94545.1   transport protein	-0.776	11.420			<b>-2.957</b>	9.423	2.092e-4	4.04e-4	<b>0.452</b>	12.443	1.446e-3	4.002e-3	1.228	11.871			-2.181	8.648			<b>3.408</b>	9.875	2.655e-6	4.131e-7																								
<b>FN0342</b> AAL94546.1   Peptidyl-prolyl cis-trans isomerase	-0.221	10.720	2.038e-1	5.707e-1	-0.833	10.292	1.718e-2	8.673e-2	0.166	10.903	8.716e-2	4.817e-1	0.387	10.885	1.069e-1	2.45e-1	-0.612	10.071	1.795e-1	2.61e-1	0.999	10.458	9.333e-3	3.225e-2																								
<b>FN0343</b> AAL94547.1   Hypothetical protein																																																

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs FnPg — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0344</b>					-2.069	5.239																														
	AAL94548.1   Methyltransferase																																			
<b>FN0347</b>	-1.193	12.183	1.878e-2	2.499e-2	-0.674	12.887	4.826e-4	1.171e-3	-1.941	11.232	2.077e-4	3.076e-4	-0.747	10.242	1.255e-1	3.104e-1	0.519	11.693	1.886e-1	2.841e-1	-1.266	10.946	1.861e-4	1.979e-4												
	AAL94551.1   Phosphatidylserine decarboxylase																																			
<b>FN0348</b>	-0.459	16.128	5.352e-2	9.837e-2	-0.391	16.381	1.208e-2	5.806e-2	-0.598	15.785	1.01e-3	2.422e-3	-0.139	15.529	2.036e-1	6.118e-1	0.069	15.922	3.841e-1	8.143e-1	-0.208	15.783	6.699e-2	3.091e-1												
	AAL94552.1   Nicotinate phosphoribosyltransferase																																			
<b>FN0349</b>	1.092	7.766	3.465e-2	5.461e-2	1.812	8.670	3.665e-3	1.446e-2	0.087	6.557			-1.005	7.853			0.720	9.762	9.009e-2	6.962e-2	-1.725	8.757														
	AAL94553.1   D-Tyr-tRNA <sup>Tyr</sup> deacylase																																			
<b>FN0351</b>	-0.512	14.137	1.493e-1	3.774e-1	-2.482	12.351	3.184e-4	6.951e-4	-0.271	14.174	1.764e-2	7.835e-2	0.241	13.866	2.225e-1	6.861e-1	-1.971	11.839	1.408e-1	1.652e-1	2.212	12.080	7.791e-6	1.885e-6												
	AAL94555.1   unknown																																			
<b>FN0352</b>	0.044	11.266	2.911e-1	9.157e-1	-0.286	11.121	3.59e-2	1.95e-1	-0.787	10.231	4.061e-3	1.419e-2	-0.831	10.479	8.637e-2	1.745e-1	-0.330	11.164	2.681e-1	4.782e-1	-0.501	10.333	1.264e-2	4.63e-2												
	AAL94556.1   NA+/H+ antiporter NHAC																																			
<b>FN0355</b>	-0.213	15.127	1.534e-1	3.911e-1	-0.041	15.483	1.287e-1	7.85e-1	-0.606	14.529	2.716e-4	4.432e-4	-0.394	14.520	1.029e-1	2.298e-1	0.172	15.270	2.916e-1	5.374e-1	-0.566	14.877	1.074e-2	3.819e-2												
	AAL94558.1   S-adenosylmethionine synthetase																																			
<b>FN0356</b>	-0.716	10.040	4.226e-2	7.109e-2	-2.283	8.658			-1.801	8.752	2.524e-7	1.913e-8	-1.084	8.239	6.211e-2	1.098e-1	-1.566	7.942			0.482	6.858														
	AAL94559.1   Lactoylglutathione lyase																																			
<b>FN0357</b>	-0.326	7.596	1.831e-1	4.972e-1	-0.449	7.657	4.661e-2	2.584e-1	-0.138	7.580	1.187e-1	6.818e-1	0.188	7.458	2.124e-1	6.466e-1	-0.124	7.331	3.745e-1	7.816e-1	0.311	7.519	4.074e-2	1.768e-1												
	AAL94560.1   ATP synthase epsilon chain, sodium ion specific																																			
<b>FN0358</b>	-0.929	17.355	1.835e-7	2.97e-9	-0.347	18.121	1.156e-2	5.518e-2	-0.992	17.088	2.477e-7	1.823e-8	-0.063	16.363	2.578e-2	3.046e-2	0.581	17.192	6.231e-2	3.35e-2	-0.644	17.129	8.106e-3	2.734e-2												
	AAL94561.1   ATP synthase beta chain, sodium ion specific																																			
<b>FN0359</b>	-0.634	11.962	2.378e-2	3.367e-2	-0.269	12.511	2.135e-3	7.37e-3	-0.584	11.809	1.868e-4	2.623e-4	0.050	11.378	2.594e-1	8.397e-1	0.365	11.877	1.394e-1	1.615e-1	-0.314	11.927	4.047e-3	1.132e-2												
	AAL94562.1   ATP synthase gamma chain, sodium ion specific																																			
<b>FN0360</b>	0.202	13.804	2.111e-3	1.401e-3	0.487	14.273	2.811e-3	1.034e-2	0.041	13.439	8.798e-2	4.868e-1	-0.161	13.845	2.234e-2	2.484e-2	0.285	14.476	7.053e-2	4.199e-2	-0.446	14.314	3.751e-3	1.022e-2												
	AAL94563.1   ATP synthase alpha chain, sodium ion specific																																			
<b>FN0361</b>	-0.808	10.031	2.108e-2	2.895e-2	-0.759	10.265	9.707e-3	4.517e-2	-0.550	10.085	2.28e-4	3.525e-4	0.258	9.481	1.512e-1	4.057e-1	0.049	9.456	4.111e-1	9.113e-1	0.209	9.714	1.088e-1	5.281e-1												
	AAL94564.1   ATP synthase delta chain, sodium ion specific																																			
<b>FN0362</b>	-0.554	10.462			-0.065	11.135	1.364e-1	8.393e-1	-0.536	10.276	3.621e-2	1.792e-1	0.017	9.926			0.489	10.582			-0.471	10.599	2.038e-2	8.06e-2												
	AAL94565.1   ATP synthase B chain, sodium ion specific																																			
<b>FN0364</b>	1.724	5.677							1.071	4.820			-0.653	6.748																						
	AAL94567.1   ATP synthase A chain, sodium ion specific																																			
<b>FN0366</b>	-0.510	15.695	5.096e-3	4.671e-3	-0.416	15.974	6.335e-3	2.724e-2	0.100	16.101	4.609e-2	2.361e-1	0.610	15.795	2.972e-3	1.209e-3	0.094	15.463	2.964e-1	5.5e-1	0.516	16.073	2.89e-3	7.328e-3												
	AAL94569.1   Phosphoglucosamine mutase																																			
<b>FN0368</b>	0.324	13.237	1.183e-1	2.803e-1	-0.530	12.567	2.842e-3	1.048e-2	0.078	12.788	7.982e-2	4.36e-1	-0.245	13.315	1.467e-1	3.897e-1	-0.854	12.891	8.103e-2	5.551e-2	0.609	12.646	2.347e-3	5.658e-3												
	AAL94571.1   Adenylosuccinate lyase																																			

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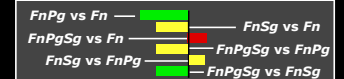
Test Cutoff

q-Value .005

p-Value

Dot Plots

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0370</b>	-0.675	10.059	6.105e-2	1.189e-1	-0.772	10.147	5.368e-3	2.244e-2	-1.004	9.526	2.752e-3	8.88e-3	-0.329	9.055	1.841e-1	5.298e-1	-0.097	9.472	3.919e-1	8.415e-1	-0.233	9.143	1.014e-1	4.882e-1												
	AAL94573.1   Signal peptidase I																																			
<b>FN0371</b>	-1.635	11.082	9.831e-3	1.113e-2	-2.901	10.001			0.167	12.681	6.273e-2	3.331e-1	1.802	11.250	5.343e-3	2.773e-3	-1.266	8.366			3.068	10.169														
	AAL94574.1   Hypothetical protein																																			
<b>FN0374</b>	1.120	5.425	2.593e-2	3.754e-2	2.077	6.567											0.957	7.687																		
	AAL94577.1   Single-stranded-DNA-specific exonuclease recJ																																			
<b>FN0375</b>	0.509	17.587	7.141e-3	7.429e-3	1.101	18.363	1.719e-3	5.694e-3	0.529	17.403	1.105e-3	2.734e-3	0.020	18.116	2.581e-1	8.339e-1	0.592	18.873	3.983e-2	1.494e-2	-0.572	18.893	5.766e-3	1.801e-2												
	AAL94578.1   Iron(III)-binding protein																																			
<b>FN0376</b>	0.466	12.667	1.783e-2	2.329e-2	1.150	13.536	3.241e-4	7.114e-4	-0.708	11.289	6.328e-5	5.649e-5	-1.174	11.959	4.776e-3	2.368e-3	0.684	14.002	6.587e-3	8.96e-4	-1.858	12.828	2.183e-4	2.474e-4												
	AAL94579.1   Iron(III)-transport ATP-binding protein sfuC																																			
<b>FN0377</b>					-1.332	5.976			1.124	8.044											2.456	7.100														
	AAL94580.1   Iron(III)-transport system permease protein sfuB																																			
<b>FN0378</b>					-0.339	6.134	7.115e-2	4.071e-1	0.286	6.371	8.949e-2	4.962e-1									0.625	6.421	6.098e-2	2.782e-1												
	AAL94581.1   UDP-glucose 4-epimerase																																			
<b>FN0379</b>	-0.651	6.644	4.499e-2	7.757e-2	-1.155	6.325			-0.107	6.985	1.231e-1	7.105e-1	0.544	6.537	9.755e-2	2.107e-1	-0.504	5.674			1.048	6.218														
	AAL94582.1   Hypothetical protein																																			
<b>FN0380</b>	-2.167	7.337							-1.707	7.592			0.459	5.629																						
	AAL94583.1   unknown																																			
<b>FN0381</b>									0.286	8.570	4.251e-3	1.502e-2																								
	AAL94584.1   unknown																																			
<b>FN0382</b>																																				
	AAL94585.1   Hypothetical protein																																			
<b>FN0383</b>																																				
	AAL94586.1   Lipopolysaccharide N-acetylglucosaminyltransferase																																			
<b>FN0384</b>	-3.389	7.467			-3.317	7.723	2.241e-4	4.398e-4	-1.709	8.942	4.412e-4	8.5e-4	1.679	5.758			0.071	4.334			1.608	6.013	2.007e-5	9.367e-6												
	AAL94587.1   Hypothetical protein																																			
<b>FN0385</b>																																				
	AAL94588.1   Hypothetical protein																																			
<b>FN0386</b>																																				
	AAL94589.1   Hypothetical protein																																			
<b>FN0387</b>	-2.777	11.772	7.82e-5	9.377e-6	-2.598	12.135	2.352e-4	4.672e-4	-1.823	12.522	3.938e-5	2.918e-5	0.954	9.949	9.124e-4	2.082e-4	0.178	9.358	3.829e-1	8.102e-1	0.776	10.312	4.616e-2	2.036e-1												
	AAL94590.1   Fusobacterium outer membrane protein family																																			
<b>FN0390</b>	1.070	11.829	5.147e-2	9.318e-2	0.760	11.704	2.097e-3	7.21e-3	1.213	11.769	2.133e-3	6.538e-3	0.143	13.042	2.207e-1	6.789e-1	-0.310	12.774	2.522e-1	4.404e-1	0.453	12.917	1.121e-2	4.025e-2												
	AAL94593.1   Hypothetical protein																																			

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Dot Plots

Dot Plots

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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0391</b>	0.598	9.079	1.75e-1	4.7e-1	<b>0.573</b>	9.238	6.047e-5	7.95e-5	-0.312	7.965	2.99e-3	9.845e-3	-0.910	8.767	1.328e-1	3.384e-1	-0.025	9.836	4.26e-1	9.689e-1	<b>-0.885</b>	8.926	3.102e-4	4.034e-4												
AAL94594.1   Hydrolase (HAD superfamily)																																				
<b>FN0392</b>	-1.819	6.462			<b>-1.839</b>	6.626	3.636e-5	3.78e-5	<b>-1.162</b>	6.915	6.901e-6	1.857e-6	0.656	5.300			-0.021	4.808			0.677	5.464	5.732e-3	1.788e-2												
AAL94595.1   Oxygen-independent coproporphyrinogen III oxidase																																				
<b>FN0393</b>	0.932	7.413	1.252e-2	1.484e-2	<b>1.616</b>	8.281	3.461e-3	1.344e-2	<b>-0.799</b>	5.478	6.439e-5	5.787e-5	-1.731	6.615	7.869e-3	5.162e-3	0.683	9.213	7.93e-2	5.305e-2	<b>-2.414</b>	7.482	3.101e-3	8.002e-3												
AAL94596.1   Polysaccharide deacetylase																																				
<b>FN0394</b>	0.531	7.684	1.818e-1	4.925e-1	-0.481	6.856			-0.889	6.059			-1.421	6.795			-1.012	7.388			-0.409	5.967														
AAL94597.1   Outer membrane protein																																				
<b>FN0396</b>	<b>0.402</b>	<b>24.004</b>	<b>5.688e-4</b>	<b>1.869e-4</b>	0.640	24.426	9.475e-3	4.386e-2	<b>0.388</b>	23.786	1.779e-4	2.444e-4	-0.014	24.392	2.315e-1	7.221e-1	0.238	24.828	1.754e-1	2.514e-1	-0.252	24.814	5.178e-2	2.319e-1												
AAL94599.1   Dipeptide-binding protein																																				
<b>FN0397</b>	-0.052	10.905			-0.015	11.126	1.467e-1	9.138e-1	0.292	11.044	9.168e-3	3.727e-2	0.344	11.196			0.037	11.074			0.307	11.418	7.009e-3	2.287e-2												
AAL94600.1   Dipeptide transport system permease protein dppB																																				
<b>FN0398</b>	<b>-1.058</b>	<b>11.387</b>	<b>8.884e-4</b>	<b>3.919e-4</b>	<b>-0.502</b>	12.128	1.843e-3	6.179e-3	<b>-0.506</b>	11.735	2.89e-3	9.437e-3	0.552	10.881	6.125e-3	3.399e-3	0.556	11.070	3.375e-2	1.123e-2	-0.005	11.622	1.823e-1	9.645e-1												
AAL94601.1   Dipeptide transport system permease protein dppC																																				
<b>FN0399</b>	-0.543	15.278	1.413e-2	1.723e-2	-0.236	15.770	3.738e-2	2.036e-1	-0.367	15.250	9.994e-3	4.12e-2	0.176	14.911	1.494e-1	3.993e-1	0.307	15.227	1.549e-1	2.022e-1	-0.132	15.402	1.068e-1	5.174e-1												
AAL94602.1   Dipeptide transport ATP-binding protein dppD																																				
<b>FN0400</b>	<b>-0.684</b>	<b>17.806</b>	<b>3.158e-3</b>	<b>2.414e-3</b>	<b>-0.487</b>	18.187	6.672e-4	1.787e-3	<b>-1.174</b>	17.112	1.348e-4	1.662e-4	-0.490	16.632	1.36e-2	1.205e-2	0.197	17.503	1.169e-1	1.136e-1	<b>-0.687</b>	17.013	2.663e-4	3.311e-4												
AAL94603.1   Dipeptide transport ATP-binding protein dppF																																				
<b>FN0405</b>	-0.284	12.911	1.443e-1	3.61e-1	-0.293	13.086	7.528e-3	3.343e-2	<b>0.742</b>	13.733	4.952e-3	1.804e-2	1.026	13.653	1.135e-2	9.178e-3	-0.009	12.802	4.281e-1	9.774e-1	<b>1.035</b>	13.828	3.145e-3	8.145e-3												
AAL94608.1   Tryptophanyl-tRNA synthetase																																				
<b>FN0406</b>	<b>-1.164</b>	<b>11.391</b>	<b>1.616e-7</b>	<b>2.24e-9</b>	<b>-1.516</b>	11.223	5.528e-4	1.399e-3	<b>-0.395</b>	11.956	2.87e-3	9.355e-3	0.769	10.997	6.987e-3	4.197e-3	-0.352	10.060	1.482e-1	1.851e-1	<b>1.121</b>	10.829	8.129e-4	1.473e-3												
AAL94609.1   Alanine racemase, biosynthetic																																				
<b>FN0407</b>	-2.102	10.887			<b>-1.735</b>	11.438	4.116e-5	4.583e-5	0.167	12.951	3.356e-2	1.642e-1	2.268	11.053			0.367	9.336			<b>1.902</b>	11.604	3.189e-4	4.188e-4												
AAL94610.1   Hypothetical protein																																				
<b>FN0408</b>	-0.747	12.388	5.938e-2	1.142e-1	-0.129	13.191	4.838e-2	2.692e-1	-0.372	12.560	6.445e-3	2.47e-2	0.375	12.016	1.543e-1	4.166e-1	0.618	12.444	1.478e-1	1.84e-1	-0.243	12.819	1.574e-2	5.965e-2												
AAL94611.1   Acetyl-coenzyme A carboxylase carboxyl transferase subunit beta																																				
<b>FN0409</b>	<b>-1.080</b>	<b>17.074</b>	<b>1.773e-3</b>	<b>1.08e-3</b>	<b>-0.987</b>	17.352	2.609e-6	6.883e-7	0.047	17.998	1.012e-1	5.699e-1	<b>1.127</b>	17.122	9.283e-4	2.139e-4	0.093	16.272	2.99e-1	5.569e-1	<b>1.034</b>	17.399	9.59e-4	1.833e-3												
AAL94612.1   Acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha																																				
<b>FN0410</b>	<b>-0.698</b>	<b>13.649</b>	<b>2.14e-4</b>	<b>4.225e-5</b>	<b>-0.464</b>	14.068	6.416e-4	1.696e-3	<b>-0.330</b>	13.814	1.17e-5	3.94e-6	<b>0.368</b>	13.319	1.163e-3	3.104e-4	0.234	13.369	4.817e-2	2.113e-2	0.134	13.738	2.035e-2	8.044e-2												
AAL94613.1   6-phosphofructokinase																																				
<b>FN0411</b>					0.597	7.565																														
AAL94614.1   putative alpha helix protein																																				
<b>FN0412</b>																																				
AAL94615.1   Recombination protein recR																																				

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Test Cutoff

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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios										
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6
<b>FN0413</b>	0.938	4.669							0.236	3.764			-0.701	4.905																					
	AAL94616.1   unknown																																		
<b>FN0414</b>																					0.779	4.779													
	AAL94617.1   ATP-dependent helicase HEPA																																		
<b>FN0416</b>	-1.077	8.326							-1.240	7.959	1.825e-3	5.409e-3	-0.163	7.086																					
	AAL94619.1   Type III restriction-modification system methylation subunit																																		
<b>FN0417</b>	-1.788	9.867			-2.598	9.242			-2.222	9.230	1.308e-4	1.591e-4	-0.434	7.645			-0.810	7.453			0.376	7.020													
	AAL94620.1   Type III restriction-modification system restriction subunit																																		
<b>FN0418</b>													-3.964	8.168			0.413	12.730			-4.377	8.766													
	AAL94621.1   Uracil phosphoribosyltransferase																																		
<b>FN0419</b>	0.272	7.477			-0.540	6.849			-0.696	6.305			-0.968	6.780	1.024e-2	7.839e-3	-0.812	7.121	3.494e-2	1.199e-2	-0.156	6.153	1.149e-1	5.614e-1											
	AAL94622.1   Aspartate carbamoyltransferase																																		
<b>FN0420</b>	1.054	8.770	1.263e-1	3.048e-1	1.325	9.226	7.44e-3	3.298e-2	-2.171	5.341			-3.225	6.599			0.271	10.280	3.414e-1	6.767e-1	-3.496	7.055													
	AAL94623.1   Dihydroorotase																																		
<b>FN0421</b>	0.774	9.870			0.333	9.614	2.941e-3	1.095e-2	-1.542	7.350	3.29e-5	2.008e-5	-2.316	8.328			-0.441	10.388			-1.876	8.072	3.952e-5	2.469e-5											
	AAL94624.1   Carbamoyl-phosphate synthase small chain																																		
<b>FN0422</b>	-0.715	13.950	9.791e-2	2.211e-1	0.151	15.001	2.346e-2	1.22e-1	-1.107	13.354	2.957e-4	4.957e-4	-0.392	12.843	2.026e-1	6.076e-1	0.866	14.286	1.306e-1	1.411e-1	-1.258	13.894	5.972e-4	9.625e-4											
	AAL94625.1   Carbamoyl-phosphate synthase large chain																																		
<b>FN0423</b>	0.481	7.519			1.262	8.485	7.005e-4	1.908e-3	-0.906	5.929	1.149e-2	4.821e-2	-1.386	6.614			0.781	8.966			-2.168	7.580	3.677e-7	3.48e-8											
	AAL94626.1   Dihydroorotate dehydrogenase electron transfer subunit																																		
<b>FN0424</b>	0.993	5.667	1.049e-1	2.411e-1	1.988	6.847	1.193e-3	3.68e-3	-0.650	3.820			-1.643	5.017			0.995	7.839	8.033e-2	5.452e-2	-2.638	6.196													
	AAL94627.1   Dihydroorotate dehydrogenase																																		
<b>FN0426</b>	1.087	9.071	1.221e-1	2.916e-1	1.669	9.837	1.307e-4	2.226e-4	0.490	8.271	2.317e-2	1.066e-1	-0.596	9.561	1.705e-1	4.762e-1	0.582	10.924	2.025e-1	3.186e-1	-1.179	10.328	4.122e-4	5.785e-4											
	AAL94629.1   Orotidine 5'-phosphate decarboxylase																																		
<b>FN0427</b>	-0.092	11.470	1.324e-1	3.233e-1	-0.086	11.660	7.203e-2	4.125e-1	-0.336	11.021	1.975e-3	5.97e-3	-0.244	11.133	4.001e-2	5.756e-2	0.006	11.569	4.234e-1	9.585e-1	-0.251	11.324	1.969e-2	7.742e-2											
	AAL94630.1   Orotate phosphoribosyltransferase																																		
<b>FN0430</b>	-1.332	14.971	4.591e-3	4.041e-3	-0.701	15.787	1.786e-4	3.339e-4	-0.602	15.497	3.365e-4	5.911e-4	0.730	14.369	3.995e-2	5.745e-2	0.631	14.454	9.84e-2	8.267e-2	0.099	15.184	7.447e-2	3.479e-1											
	AAL94633.1   LSU ribosomal protein L19P																																		
<b>FN0435</b>	0.230	11.661	2.416e-1	7.102e-1	0.052	11.668	1.009e-1	5.961e-1	-0.657	10.570	3.348e-2	1.637e-1	-0.888	11.004	1.248e-1	3.081e-1	-0.178	11.898	3.704e-1	7.682e-1	-0.710	11.011	3.245e-2	1.362e-1											
	AAL94634.1   Purine nucleoside phosphorylase																																		
<b>FN0436</b>	1.228	11.009	3.199e-2	4.913e-2	1.333	11.299	1.074e-2	5.071e-2	-0.470	9.107	3.133e-2	1.512e-1	-1.698	10.539	2.224e-2	2.468e-2	0.105	12.527	3.77e-1	7.9e-1	-1.804	10.829	8.356e-3	2.832e-2											
	AAL94635.1   regulator of kinase autophosphorylation inhibitor																																		
<b>FN0437</b>	0.279	7.134	2.359e-1	6.883e-1	0.806	7.847	7.057e-4	1.927e-3	-0.598	6.054	4.03e-2	2.03e-1	-0.877	6.536	1.355e-1	3.493e-1	0.528	8.125	2.155e-1	3.488e-1	-1.404	7.249	2.962e-3	7.557e-3											
	AAL94636.1   kinase autophosphorylation inhibitor KipI																																		

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios									
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4
<b>FN0438</b>	AAL94637.1   transporter protein																																	
<b>FN0439</b>	0.336	12.037	2.36e-1	6.889e-1	-0.040	11.845	1.436e-1	8.912e-1	-0.011	11.486	1.562e-1	9.369e-1	-0.348	12.026	2.208e-1	6.794e-1	-0.376	12.182	3.377e-1	6.657e-1	0.029	11.834	1.751e-1	9.185e-1										
	AAL94638.1   Lactam utilization protein LAMB																																	
<b>FN0445</b>	AAL94641.1   Hypothetical protein																																	
<b>FN0446</b>	-1.008	7.281	6.665e-5	7.553e-6	0.027	8.501	1.438e-1	8.924e-1	-0.567	7.518	1.677e-4	2.247e-4	0.441	6.714	7.506e-3	4.744e-3	1.035	7.493	5.234e-2	2.483e-2	-0.594	7.934	1.861e-2	7.25e-2										
	AAL94642.1   Hypothetical protein																																	
<b>FN0447</b>	0.262	4.908			1.685	6.516	9.326e-4	2.737e-3	-0.221	4.221			-0.483	4.687			1.424	6.778			-1.907	6.295												
	AAL94643.1   NIFS protein																																	
<b>FN0448</b>	AAL94644.1   DNA-repair protein																																	
<b>FN0450</b>	-1.177	9.532	4.1e-2	6.82e-2	-0.482	10.411	4.827e-2	2.685e-1	-0.980	9.525	1.959e-2	8.824e-2	0.197	8.552	9.774e-2	2.114e-1	0.695	9.234	9.329e-2	7.519e-2	-0.497	9.431	3.205e-2	1.343e-1										
	AAL94646.1   ABC transporter ATP-binding protein																																	
<b>FN0451</b>	-0.516	6.131			-0.319	6.512	3.795e-2	2.069e-1	-0.864	5.579			-0.348	5.267			0.197	5.996			-0.545	5.649												
	AAL94647.1   Hypothetical protein																																	
<b>FN0452</b>	-0.429	18.476	1.721e-1	4.565e-1	-1.837	17.252	5.216e-6	2.031e-6	0.015	18.716	9.886e-2	5.552e-1	0.444	18.490	1.609e-1	4.405e-1	-1.408	16.823	1.636e-1	2.228e-1	1.852	17.267	8.434e-5	6.921e-5										
	AAL94648.1   Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)																																	
<b>FN0453</b>	0.787	16.502	9.092e-3	1.012e-2	0.296	16.195	2.768e-3	1.014e-2	-0.220	15.291	4.987e-3	1.819e-2	-1.007	16.282	7.377e-3	4.603e-3	-0.491	16.982	5.095e-2	2.353e-2	-0.516	15.975	4.527e-4	6.539e-4										
	AAL94649.1   Xaa-Pro aminopeptidase																																	
<b>FN0454</b>	0.855	13.882	7.932e-2	1.68e-1	1.417	14.629	1.243e-3	3.873e-3	-0.507	12.316	4.712e-5	3.749e-5	-1.363	13.375	5.399e-2	8.967e-2	0.562	15.484	1.351e-1	1.513e-1	-1.924	14.121	1.148e-3	2.325e-3										
	AAL94650.1   Aldehyde dehydrogenase B																																	
<b>FN0455</b>	1.074	16.135	4.143e-3	3.49e-3	1.718	16.964	4.709e-4	1.134e-3	1.180	16.037	2.472e-3	7.79e-3	0.106	17.315	1.844e-1	5.307e-1	0.644	18.038	1.388e-2	2.762e-3	-0.538	18.144	3.535e-3	9.458e-3										
	AAL94651.1   Rubrerythrin																																	
<b>FN0456</b>	-2.394	10.091	2.686e-4	6.088e-5	-2.542	10.127	1.164e-5	7.519e-6	-1.123	11.157	2.866e-5	1.568e-5	1.270	8.967	1.495e-3	4.502e-4	-0.148	7.733	3.022e-1	5.655e-1	1.418	9.004	1.978e-5	9.115e-6										
	AAL94652.1   Hypothetical cytosolic protein																																	
<b>FN0458</b>	1.533	5.806	2.136e-2	2.941e-2	0.808	5.266	1.363e-2	6.682e-2	0.645	4.714			-0.888	6.451			-0.725	6.798	1.092e-1	1.002e-1	-0.163	5.910												
	AAL94654.1   Hypothetical Exported Protein																																	
<b>FN0459</b>	AAL94655.1   Hypothetical exported 24-amino acid repeat protein																																	
<b>FN0460</b>	-0.196	11.810			-2.267	9.924	2.218e-5	1.897e-5	-1.497	10.305	6.626e-5	6.025e-5	-1.301	10.313			-2.071	9.728			0.770	8.427	5.348e-3	1.637e-2										
	AAL94656.1   Delta-aminolevulinic acid dehydratase																																	
<b>FN0461</b>	0.389	16.697	1.504e-1	3.809e-1	-0.447	16.045	3.707e-5	3.893e-5	-0.409	15.695	3.45e-4	6.121e-4	-0.798	16.288	8.224e-2	1.623e-1	-0.836	16.434	1.356e-1	1.524e-1	0.038	15.636	1.155e-1	5.651e-1										
	AAL94657.1   Probable sigma(54) modulation protein																																	

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

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0462</b> AAL94658.1   DNA mismatch repair protein mutL	0.045	11.170	2.852e-1	8.896e-1	1.070	12.379	5.154e-3	2.142e-2	-1.400	9.521	1.37e-6	2.122e-7	-1.445	9.770	3.763e-2	5.285e-2	1.025	12.425	4.38e-2	1.773e-2	-2.470	10.980	2.488e-3	6.106e-3												
<b>FN0465</b> AAL94661.1   Hypothetical protein	0.270	16.294	2.351e-1	6.853e-1	-0.612	15.596	3.061e-3	1.151e-2	-1.256	14.564	4.782e-4	9.431e-4	-1.526	15.038	8.973e-2	1.849e-1	-0.882	15.866	2.019e-1	3.172e-1	-0.644	14.340	1.392e-2	5.177e-2												
<b>FN0466</b> AAL94662.1   Lysyl-tRNA synthetase	0.383	17.561	5.203e-2	9.458e-2	0.347	17.710	9.443e-3	4.369e-2	-0.060	16.914	1.128e-1	6.434e-1	-0.443	17.501	4.501e-2	6.802e-2	-0.036	18.093	3.916e-1	8.402e-1	-0.408	17.650	9.611e-3	3.34e-2												
<b>FN0469</b> AAL94665.1   Copper homeostasis protein cutC																																				
<b>FN0470</b> AAL94666.1   Putative efflux pump component MtrF	-0.034	18.282	2.706e-1	8.272e-1	-0.411	18.091	3.507e-3	1.366e-2	-0.264	17.849	9.081e-3	3.685e-2	-0.229	18.019	9.585e-2	2.049e-1	-0.376	18.056	9.883e-2	8.33e-2	0.147	17.827	4.969e-2	2.213e-1												
<b>FN0472</b> AAL94668.1   Flavodoxin	1.659	24.440	5.982e-3	5.795e-3	1.030	23.996	1.242e-7	7.722e-9	1.747	24.324	1.612e-8	2.726e-10	0.089	26.187	1.916e-1	5.605e-1	-0.628	25.655	6.442e-2	3.553e-2	0.717	25.743	1.814e-7	9.116e-9												
<b>FN0474</b> AAL94670.1   Acriflavin resistance protein B					-0.688	5.449																														
<b>FN0475</b> AAL94671.1   MIAB protein	-1.548	10.467			-1.090	11.110	3.04e-4	6.535e-4	-2.051	9.760	1.464e-4	1.867e-4	-0.503	8.416			0.458	9.562			-0.961	9.059	1.569e-3	3.417e-3												
<b>FN0476</b> AAL94672.1   Transcription termination factor rho	-0.244	11.690	1.564e-1	4.011e-1	0.309	12.427	8.648e-3	3.932e-2	0.349	12.079	2.206e-3	6.801e-3	0.593	12.038	4.505e-2	6.809e-2	0.553	12.183	9.89e-2	8.341e-2	0.040	12.776	1.414e-1	7.123e-1												
<b>FN0477</b> AAL94673.1   Cell wall endopeptidase family M23/M37	-2.372	10.157	4.722e-6	2.484e-7	-1.264	11.449	3.036e-6	9.079e-7	-2.734	9.591	5.255e-6	1.223e-6	-0.362	7.423	1.064e-2	8.346e-3	1.108	9.077	4.597e-3	5.034e-4	-1.470	8.715	3.416e-4	4.569e-4												
<b>FN0478</b> AAL94674.1   GcpE protein	1.361	8.814			1.215	8.853	5.409e-8	1.765e-9	-0.326	6.924	2.915e-2	1.388e-1	-1.686	8.489			-0.145	10.214			-1.541	8.528	4.136e-4	5.812e-4												
<b>FN0479</b> AAL94675.1   RNA polymerase sigma-E factor																																				
<b>FN0480</b> AAL94676.1   unknown																																				
<b>FN0481</b> AAL94677.1   unknown	-0.697	7.616			-1.008	7.489	1.335e-2	6.525e-2									-0.311	6.792																		
<b>FN0482</b> AAL94678.1   LSU ribosomal protein L31P	-2.778	7.948							0.455	10.977	2.631e-2	1.232e-1	3.233	8.403																						
<b>FN0483</b> AAL94679.1   Uracil phosphoribosyltransferase	-1.016	13.224	8.106e-3	8.797e-3	-1.286	13.140	8.803e-6	4.795e-6	-0.298	13.739	1.011e-3	2.428e-3	0.718	12.927	2.902e-2	3.626e-2	-0.269	12.123	2.504e-1	4.361e-1	0.988	12.842	4.783e-5	3.29e-5												
<b>FN0484</b> AAL94680.1   Lipase	-0.959	5.603			-0.185	6.561			-1.179	5.179			-0.220	4.424			0.773	5.602			-0.994	5.382														

Show detected proteins only  
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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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0487</b> AAL94683.1   2-hydroxyglutarate dehydrogenase	-0.121	20.283	2.279e-1	6.579e-1	-0.012	20.576	1.472e-1	9.17e-1	-0.002	20.199	1.601e-1	9.651e-1	0.119	20.282	2.164e-1	6.62e-1	0.108	20.456	3.514e-1	7.074e-1	0.010	20.575	1.767e-1	9.282e-1												
<b>FN0488</b> AAL94684.1   NAD-specific glutamate dehydrogenase	0.305	23.556	1.465e-1	3.683e-1	0.468	23.904	5.984e-3	2.547e-2	0.232	23.279	6.43e-3	2.463e-2	-0.073	23.789	2.513e-1	8.049e-1	0.163	24.209	3.054e-1	5.741e-1	-0.236	24.136	2.745e-2	1.127e-1												
<b>FN0489</b> AAL94685.1   Prolipoprotein diacylglycerol transferase	-1.186	8.105			-1.567	7.907			0.489	9.576	9.597e-3	3.936e-2	1.675	8.594			-0.382	6.722			2.057	8.397														
<b>FN0490</b> AAL94686.1   Integral membrane protein																																				
<b>FN0491</b> AAL94687.1   Alanine racemase	1.570	13.188	5.768e-1	1.094e-1	1.725	13.527	1.111e-3	3.377e-3	-0.523	10.891	3.977e-2	1.999e-1	-2.093	12.665	5.09e-2	8.176e-2	0.155	15.097	3.622e-1	7.414e-1	-2.248	13.004	2.198e-3	5.202e-3												
<b>FN0493</b> AAL94689.1   Hypothetical protein	-0.264	8.762	1.677e-1	4.405e-1	-0.771	8.440	8.499e-3	3.853e-2	-2.267	6.556	9.329e-4	2.185e-3	-2.003	6.496	3.013e-2	3.827e-2	-0.507	8.176	1.956e-1	3.031e-1	-1.495	6.173	1.472e-2	5.518e-2												
<b>FN0494</b> AAL94690.1   Short chain dehydrogenase	-1.417	17.059	1.5e-4	2.529e-5	-2.331	16.329	9.05e-6	5.001e-6	-0.350	17.923	1.919e-3	5.765e-3	1.067	16.710	9.095e-4	2.072e-4	-0.915	14.912	3.853e-2	1.411e-2	1.982	15.979	3.216e-5	1.793e-5												
<b>FN0495</b> AAL94691.1   Acetyl-CoA acetyltransferase	1.116	25.792	5.159e-5	5.034e-6	0.783	25.644	2.586e-6	6.78e-7	0.423	24.896	3.67e-5	2.497e-5	-0.693	26.215	5.156e-5	2.831e-6	-0.333	26.760	6.737e-4	1.257e-5	-0.360	26.067	8.608e-6	2.227e-6												
<b>FN0496</b> AAL94692.1   unknown																																				
<b>FN0497</b> AAL94693.1   Plasmid addiction system poison protein																																				
<b>FN0501</b> AAL94697.1   Ornithine decarboxylase	0.635	16.730	9.468e-2	2.115e-1	1.084	17.363	2.303e-4	4.551e-4	-0.572	15.318	1.268e-3	3.314e-3	-1.208	16.157	5.254e-2	8.588e-2	0.449	17.998	1.558e-1	2.044e-1	-1.656	16.791	3.928e-4	5.439e-4												
<b>FN0502</b> AAL94698.1   Phosphoheptose isomerase	1.032	7.887			1.003	8.044			1.159	7.811	1.78e-5	7.62e-6	0.127	9.046			-0.028	9.075			0.155	9.203														
<b>FN0503</b> AAL94699.1   Transcriptional regulatory protein, LYSR family	-0.592	11.037	4.431e-2	7.591e-2	-0.224	11.590	8.655e-3	3.936e-2	-0.137	11.289	2.524e-2	1.175e-1	0.456	10.900	7.943e-2	1.543e-1	0.369	10.998	1.683e-1	2.34e-1	0.087	11.453	4.988e-4	7.451e-4												
<b>FN0504</b> AAL94700.1   Arginine permease																																				
<b>FN0505</b> AAL94701.1   Anthranilate synthase component II	0.947	11.277	7.569e-2	1.579e-1	-0.293	10.222	3.952e-2	2.162e-1	-0.498	9.628	3.89e-4	7.23e-4	-1.445	10.779	5.441e-2	9.08e-2	-1.240	11.169	1.138e-1	1.081e-1	-0.205	9.723	8.974e-2	4.265e-1												
<b>FN0506</b> AAL94702.1   Arginyl-tRNA synthetase	-0.638	14.994	2.51e-2	3.606e-2	-1.284	14.532	3.941e-5	4.277e-5	0.209	15.637	4.281e-2	2.173e-1	0.847	15.202	1.271e-2	1.085e-2	-0.647	13.894	1.081e-1	9.817e-2	1.493	14.740	1.575e-3	3.434e-3												
<b>FN0511</b> AAL94707.1   D-lactate dehydrogenase	0.404	11.177	2.162e-1	6.149e-1	0.593	11.550	2.722e-3	9.935e-3	-0.866	9.704	2.724e-3	8.769e-3	-1.270	10.311	1.143e-1	2.706e-1	0.189	11.954	3.714e-1	7.714e-1	-1.458	10.684	1.359e-3	2.857e-3												

Show detected proteins only  
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Test Cutoff

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Dot Plots

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0512</b>	0.714	15.779	4.243e-4	1.178e-4	0.226	15.475	1.275e-3	3.995e-3	0.175	15.036	4.996e-3	1.823e-2	-0.540	15.954	2.949e-7	1.311e-9	-0.489	16.189	2.394e-3	1.65e-4	-0.051	15.650	4.334e-2	1.896e-1												
AAL94708.1   Flavoprotein																																				
<b>FN0513</b>	-1.712	8.768	1.029e-3	4.909e-4	-1.158	9.508	5.895e-4	1.519e-3	0.391	10.668	3.591e-5	2.388e-5	2.104	9.160	5.135e-4	9.2e-5	0.555	7.795	1.212e-1	1.219e-1	1.549	9.899	2.193e-4	2.491e-4												
AAL94709.1   Flavodoxin																																				
<b>FN0515</b>	-0.928	4.098			0.321	5.532	6.431e-2	3.652e-1									1.249	4.604																		
AAL94711.1   Acriflavin resistance protein D																																				
<b>FN0516</b>																																				
AAL94712.1   Acriflavin resistance protein E																																				
<b>FN0517</b>																	0.979	5.808																		
AAL94713.1   Outer membrane protein toIC																																				
<b>FN0519</b>	0.080	6.962	2.602e-1	7.842e-1	-0.386	6.680	6.403e-2	3.635e-1	-1.396	5.281			-1.477	5.566			-0.466	6.760	1.258e-1	1.313e-1	-1.010	5.284														
AAL94715.1   Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0522</b>	0.833	5.810			1.464	6.626	2.139e-3	7.388e-3	-0.444	4.329			-1.278	5.366			0.631	7.459			-1.908	6.182														
AAL94718.1   Exonuclease SBCC																																				
<b>FN0523</b>	-2.435	6.514			-1.612	7.522	1.603e-3	5.249e-3									0.823	5.086																		
AAL94719.1   Exonuclease SBCE																																				
<b>FN0524</b>													1.188	7.161	1.317e-3	3.751e-4	0.131	6.289	3.37e-1	6.635e-1	1.057	7.477	3.061e-3	7.872e-3												
AAL94720.1   DNA helicase II																																				
<b>FN0525</b>	-1.036	14.898	3.154e-2	4.824e-2	-0.149	15.969	6.84e-2	3.902e-1	-0.997	14.733	2.544e-5	1.291e-5	0.038	13.901	2.818e-1	9.405e-1	0.887	14.933	9.659e-2	8.002e-2	-0.848	14.972	6.896e-3	2.242e-2												
AAL94721.1   Penicillin-binding protein																																				
<b>FN0526</b>	0.310	11.406			0.275	11.555	8.998e-3	4.123e-2	-0.169	10.723	3.901e-2	1.955e-1	-0.479	11.237			-0.035	11.865			-0.443	11.386	4.394e-3	1.267e-2												
AAL94722.1   Florfenicol resistance protein																																				
<b>FN0527</b>	0.950	9.787	6.384e-3	6.342e-3	1.118	10.139	1.279e-3	4.01e-3	-0.976	7.656	7.51e-4	1.665e-3	-1.927	8.810	5.171e-3	2.646e-3	0.168	11.089	2.08e-1	3.312e-1	-2.095	9.163	1.056e-3	2.084e-3												
AAL94723.1   Alanyl-tRNA synthetase																																				
<b>FN0528</b>	-2.764	18.819	1.531e-3	8.813e-4	-5.943	15.825	2.971e-6	8.705e-7	-0.907	20.473	7.938e-5	7.754e-5	1.857	17.912	9.068e-3	6.487e-3	-3.178	13.061	1.321e-1	1.446e-1	5.036	14.918	2e-4	2.185e-4												
AAL94724.1   Cold shock protein																																				
<b>FN0535</b>	0.648	10.623	3.787e-3	3.085e-3	-0.144	10.016	6.605e-2	3.758e-1	1.124	10.896	7.88e-5	7.674e-5	0.476	11.748	1.946e-3	6.75e-4	-0.792	10.664	1.084e-2	1.924e-3	1.268	11.141	2.193e-4	2.491e-4												
AAL94731.1   Hypothetical protein																																				
<b>FN0536</b>	-0.352	15.236	7.724e-2	1.622e-1	-0.290	15.482	2.938e-3	1.093e-2	0.227	15.611	3.896e-5	2.846e-5	0.579	15.463	3.396e-2	4.578e-2	0.062	15.130	3.784e-1	7.947e-1	0.517	15.709	9.179e-4	1.732e-3												
AAL94732.1   DNA polymerase III, beta chain																																				
<b>FN0540</b>	-0.944	11.020	4.112e-2	6.849e-2	-0.525	11.624	7.07e-4	1.932e-3	-0.795	10.965	1.277e-4	1.538e-4	0.149	10.225	2.428e-1	7.688e-1	0.419	10.679	2.342e-1	3.957e-1	-0.270	10.828	1.773e-2	6.856e-2												
AAL94736.1   Glutamate-1-semialdehyde 2,1-aminomutase																																				
<b>FN0541</b>					-0.612	7.079	5.117e-2	2.862e-1																												
AAL94737.1   polysaccharide deacetylase																																				

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Proteins found: 1424

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**Test**      **Cutoff**

q-Value      .005

p-Value

Dot Plots

Dot Plots

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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0542</b>	0.849	8.771	1.668e-1	4.372e-1	1.042	9.148	2.806e-3	1.032e-2	0.228	7.946			-0.621	9.000			0.192	9.997	3.784e-1	7.949e-1	-0.813	9.376														
AAL94738.1   Beta 1,4 glucosyltransferase																																				
<b>FN0543</b>	-1.094	10.321	2.493e-2	3.574e-2	-1.605	9.994	5.674e-6	2.34e-6	-0.931	10.280	3.401e-5	1.141e-5	0.163	9.390	2.35e-1	7.363e-1	-0.511	8.900	2.444e-1	4.214e-1	0.674	9.063	1.376e-3	2.901e-3												
AAL94739.1   Lipopolysaccharide heptosyltransferase-1																																				
<b>FN0544</b>																																				
AAL94740.1   ADP-heptose:LPS heptosyltransferase II																																				
<b>FN0546</b>	-0.281	5.451																																		
AAL94742.1   Lipopolysaccharide core biosynthesis protein rfaQ																																				
<b>FN0547</b>	-1.334	16.732	7.476e-3	7.902e-3	-0.434	17.816	9.961e-5	1.555e-4	-0.841	17.021	1.858e-3	5.534e-3	0.493	15.891	9.93e-2	2.168e-1	0.900	16.482	6.395e-2	3.507e-2	-0.407	16.976	1.557e-2	5.891e-2												
AAL94743.1   RecA protein																																				
<b>FN0549</b>					1.632	5.769																														
AAL94745.1   O-sialoglycoprotein endopeptidase																																				
<b>FN0550</b>													-0.696	9.240			-1.381	8.739	1.179e-1	1.155e-1	0.685	8.043														
AAL94746.1   hypothetical Protein																																				
<b>FN0552</b>	0.538	8.751	4.343e-2	7.384e-2	0.596	8.994	2.955e-2	1.574e-1	-1.197	6.812			-1.736	7.554			0.058	9.532	3.897e-2	8.338e-1	-1.794	7.797														
AAL94748.1   Serine racemase																																				
<b>FN0553</b>	0.711	13.762	9.265e-2	2.057e-1	1.235	14.471	3.442e-3	1.334e-2	-0.155	12.692	3.125e-2	1.508e-1	-0.866	13.607	8.074e-2	1.58e-1	0.524	15.182	1.491e-1	1.876e-1	-1.390	14.316	3.49e-3	9.303e-3												
AAL94749.1   D-serine dehydratase																																				
<b>FN0554</b>	1.694	6.477			1.980	6.947			-0.705	3.875			-2.399	5.773			0.286	8.642	2.214e-1	3.633e-1	-2.684	6.243														
AAL94750.1   D-serine permease																																				
<b>FN0555</b>																																				
AAL94751.1   Transcriptional regulator, MerR family																																				
<b>FN0556</b>	-0.194	12.234	2.387e-1	6.989e-1	-0.711	11.901	3.251e-4	7.142e-4	-2.016	10.209	3.889e-5	2.836e-5	-1.821	10.218	6.762e-2	1.232e-1	-0.517	11.707	2.519e-1	4.396e-1	-1.304	9.886	1.066e-3	2.11e-3												
AAL94752.1   unknown																																				
<b>FN0557</b>	1.582	12.845	4.794e-2	8.458e-2	2.218	13.666	4.033e-3	1.624e-2	-0.995	10.065	2.426e-3	7.614e-3	-2.576	11.851	3.589e-2	4.95e-2	0.637	15.248	1.458e-1	1.784e-1	-3.213	12.672	3.976e-3	1.105e-2												
AAL94753.1   unknown																																				
<b>FN0558</b>	2.171	14.188			0.685	12.886	1.435e-2	7.097e-2	-1.116	10.697	1.296e-4	1.57e-4	-3.288	13.072			-1.486	15.058			-1.801	11.770	4.484e-3	1.303e-2												
AAL94754.1   TraT complement resistance protein precursor																																				
<b>FN0559</b>	0.991	14.564	4.928e-2	8.779e-2	0.719	14.477	4.336e-6	1.524e-6	0.204	13.574	4.672e-2	2.397e-1	-0.786	14.769	6.733e-2	1.224e-1	-0.272	15.468	2.57e-1	4.516e-1	-0.515	14.682	5.467e-3	1.683e-2												
AAL94755.1   Phosphoglucomutase																																				
<b>FN0560</b>																																				
AAL94756.1   Oxygen-independent coproporphyrinogen III oxidase																																				
<b>FN0561</b>	-0.125	11.120	1.507e-1	3.821e-1	-0.899	10.531	3.948e-5	4.288e-5	-0.851	10.190	1.578e-5	6.215e-6	-0.726	10.269	1.729e-2	1.737e-2	-0.774	10.406	4.26e-2	1.684e-2	0.048	9.680	8.862e-2	4.206e-1												
AAL94757.1   Proline synthetase associated protein																																				

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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

FnPg vs Fn —

FnPgSg vs Fn —

FnSg vs FnPg —

FnSg vs Fn —

FnPgSg vs FnPg —

FnPgSg vs FnSg —

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0562</b>	-0.332	13.764	6.792e-2	1.372e-1	-0.432	13.848	6.443e-3	2.779e-2	0.267	14.159	8.121e-3	3.229e-2	0.599	14.030	1.887e-2	1.958e-2	-0.100	13.516	3.412e-1	6.762e-1	0.699	14.114	1.092e-3	2.181e-3												
AAL94758.1   Hypothetical cytosolic protein																																				
<b>FN0563</b>	-1.631	7.755	9.49e-3	1.066e-2	-1.280	8.291	6.724e-8	3.251e-9	-1.470	7.713	5.619e-4	1.157e-3	0.162	6.285	2.466e-1	7.849e-1	0.351	6.660	2.811e-1	5.104e-1	-0.190	6.821	8.957e-2	4.256e-1												
AAL94759.1   putative tRNA (5-methylaminomethyl-2-thiouridylate) -methyltransferase																																				
<b>FN0574</b>									0.236	3.764																										
AAL94770.1   Hypothetical cytosolic protein																																				
<b>FN0576</b>	-0.794	11.518	4.822e-3	4.344e-3	0.165	12.661	8.411e-2	4.88e-1	-1.044	11.064	9.375e-4	2.199e-3	-0.250	10.474	1.173e-1	2.812e-1	0.959	11.867	6.031e-2	3.168e-2	-1.209	11.617	6.242e-3	1.987e-2												
AAL94772.1   hypothetical protein																																				
<b>FN0577</b>	1.068	5.851			1.419	6.387											0.351	7.455																		
AAL94773.1   Hypothetical protein																																				
<b>FN0579</b>	1.502	18.883	2.34e-2	3.3e-2	0.552	18.117	1.224e-2	5.897e-2	-0.091	17.086	9.155e-3	3.72e-2	-1.593	18.792	2.565e-2	3.024e-2	-0.950	19.619	8.566e-2	6.238e-2	-0.643	18.026	1.183e-2	4.285e-2												
AAL94775.1   Hypothetical cytosolic protein																																				
<b>FN0580</b>	-2.833	6.833			-1.525	8.325	2.408e-4	4.815e-4									1.308	5.492																		
AAL94776.1   Penicillin-binding protein																																				
<b>FN0581</b>	-1.229	7.229			-0.356	8.287			-1.448	6.807			-0.219	5.781			0.873	7.058			-1.092	6.839														
AAL94777.1   Lipoprotein releasing system transmembrane protein lolE																																				
<b>FN0582</b>	-1.440	9.780			-0.387	11.018	1.503e-2	7.478e-2	-1.230	9.787	1.291e-3	3.398e-3	0.210	8.550			1.053	9.578			-0.843	9.788	7.256e-3	2.388e-2												
AAL94778.1   Lipoprotein releasing system ATP-binding protein lolD																																				
<b>FN0583</b>	1.304	7.480			0.411	6.772											-0.893	8.076																		
AAL94779.1   Hypothetical Exported Protein																																				
<b>FN0585</b>	0.893	7.198	1.115e-1	2.601e-1	0.034	6.524	1.367e-1	8.413e-1	-1.050	5.050			-1.944	6.148			-0.859	7.417	1.832e-1	2.703e-1	-1.085	5.473														
AAL94781.1   Two-component response regulator czcR																																				
<b>FN0586</b>	0.879	6.522			0.459	6.286	5.033e-2	2.811e-1	-0.720	4.720			-1.599	5.802			-0.420	7.165			-1.178	5.567														
AAL94782.1   Two-component sensor kinase czcS																																				
<b>FN0590</b>	0.905	8.602	1.142e-1	2.679e-1	1.373	9.254	1.808e-3	6.042e-3	-1.114	6.380	3.959e-3	1.375e-2	-2.019	7.489	6.446e-2	1.154e-1	0.468	10.160	2.207e-1	3.614e-1	-2.486	8.141	1.893e-3	4.316e-3												
AAL94786.1   N-acyl-L-amino acid amidohydrolase																																				
<b>FN0592</b>	-0.593	12.849	8.665e-4	3.742e-4	-0.258	13.368	5.754e-2	3.244e-1	-0.765	12.472	9.214e-4	2.15e-3	-0.173	12.083	1.066e-1	2.44e-1	0.335	12.775	1.947e-1	3.006e-1	-0.508	12.602	3.992e-2	1.727e-1												
AAL94788.1   ATP-dependent DNA helicase pcrA																																				
<b>FN0593</b>	-0.011	11.085	2.828e-1	8.792e-1	-0.312	10.969	3.579e-3	1.403e-2	0.036	10.928	1.128e-1	6.434e-1	0.047	11.121	1.803e-1	5.145e-1	-0.301	10.957	3.108e-2	9.699e-3	0.348	11.005	3.27e-3	8.556e-3												
AAL94789.1   UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase																																				
<b>FN0594</b>	4.420	10.596			3.705	10.066			0.014	5.986			-4.406	10.610			-0.715	14.485			-3.691	10.080														
AAL94790.1   (3R)-hydroxymyristoyl-[acyl carrier protein] dehydratase																																				
<b>FN0595</b>	0.421	9.089			-0.840	8.012	5.036e-5	6.152e-5	0.824	9.288	5.432e-2	2.84e-1	0.403	9.913			-1.261	8.433			1.664	8.836	3.179e-2	1.33e-1												
AAL94791.1   Acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase																																				

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Proteins found: 1424

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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

FnPg vs Fn —

FnPgSg vs Fn —

FnSg vs FnPg —

FnSg vs Fn —

FnPgSg vs FnPg —

FnPgSg vs FnSg —

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0596</b>	-0.887	9.143	1.623e-2	2.057e-2	-0.667	9.548	3.358e-3	1.293e-2	-1.328	8.498			-0.441	7.815			0.221	8.661	2.788e-1	5.048e-1	-0.661	8.220														
AAL94792.1   Hypothetical protein																																				
<b>FN0597</b>	-0.057	10.396	2.393e-1	7.015e-1	-0.322	10.315	2.133e-2	1.099e-1	-1.240	9.009	1.167e-3	2.945e-3	-1.184	9.156	2.985e-3	1.217e-3	-0.266	10.258	1.98e-2	4.58e-3	-0.918	9.075	1.111e-3	2.232e-3												
AAL94793.1   Lipid-A-disaccharide synthase																																				
<b>FN0598</b>	-1.214	8.786	2.897e-3	2.133e-3	-0.762	9.422	2.596e-3	9.369e-3	-0.350	9.446	1.566e-2	6.843e-2	0.864	8.436	1.403e-2	1.267e-2	0.452	8.208	1.233e-1	1.26e-1	0.412	9.072	2.045e-3	4.748e-3												
AAL94794.1   Phospholipid-lipopolysaccharide ABC transporter																																				
<b>FN0600</b>	-0.134	12.447	2.673e-1	8.134e-1	-0.004	12.761	1.483e-1	9.256e-1	0.162	12.539	5.949e-2	3.142e-1	0.296	12.609	2.003e-1	5.977e-1	0.130	12.627	3.857e-1	8.196e-1	0.166	12.923	6.675e-2	3.078e-1												
AAL94796.1   Hypothetical protein																																				
<b>FN0601</b>																																				
AAL94797.1   Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0602</b>	-0.450	14.400	1.856e-2	2.459e-2	-1.050	13.985	1.203e-5	7.965e-6	-0.483	14.163	1.868e-4	2.623e-4	-0.033	13.917	2.575e-1	8.315e-1	-0.600	13.535	6.163e-2	3.287e-2	0.567	13.502	1.503e-4	1.489e-4												
AAL94798.1   Hypothetical protein																																				
<b>FN0603</b>	0.608	5.392			1.234	6.202											0.626	6.810																		
AAL94799.1   Transcriptional regulatory protein, LYSR family																																				
<b>FN0605</b>																																				
AAL94801.1   Aspartate aminotransferase																																				
<b>FN0608</b>	1.321	12.367	3.34e-2	5.204e-2	1.631	12.861	3.087e-8	6.398e-10	0.080	10.922	2.224e-2	1.017e-1	-1.241	12.447	3.975e-2	5.704e-2	0.310	14.182	1.945e-1	2.999e-1	-1.551	12.941	4.05e-8	1.022e-9												
AAL94804.1   Exoribonuclease II																																				
<b>FN0609</b>																	0.782	6.137																		
AAL94805.1   Small protein B																																				
<b>FN0610</b>	-0.386	15.997	1.266e-1	3.055e-1	-0.706	15.862	7.534e-6	3.747e-6	-0.543	15.636	2.075e-4	3.071e-4	-0.157	15.454	2.281e-1	7.085e-1	-0.320	15.476	2.7e-1	4.828e-1	0.163	15.319	2.146e-2	8.568e-2												
AAL94806.1   unknown																																				
<b>FN0611</b>	0.008	18.655	2.588e-1	7.784e-1	0.328	19.160	3.215e-3	1.223e-2	-0.494	17.949	1.756e-3	5.151e-3	-0.502	18.161	8.272e-3	5.665e-3	0.320	19.168	3.881e-2	1.429e-2	-0.822	18.665	2.054e-4	2.268e-4												
AAL94807.1   Threonyl-tRNA synthetase																																				
<b>FN0612</b>	-1.943	12.544	1.296e-3	7.08e-4	-1.557	13.116	7.648e-4	2.154e-3	-0.449	13.835	3.803e-2	1.897e-1	1.495	12.095	3.393e-2	4.572e-2	0.387	11.172	2.415e-1	4.143e-1	1.108	12.667	2.04e-2	8.069e-2												
AAL94808.1   Hypothetical protein																																				
<b>FN0614</b>																																				
AAL94810.1   Export ABC transporter																																				
<b>FN0615</b>																																				
AAL94811.1   Export ABC transporter																																				
<b>FN0616</b>	-3.077	8.692							-0.494	11.072	1.783e-2	7.93e-2	2.583	8.198																						
AAL94812.1   Hypothetical protein																																				
<b>FN0617</b>	0.513	16.384	1.465e-1	3.681e-1	-1.376	14.679	5.643e-6	2.319e-6	-0.472	15.195	9.75e-5	1.048e-4	-0.985	15.912	8.778e-2	1.788e-1	-1.889	15.192	9.783e-2	8.183e-2	0.904	14.207	8.709e-6	2.273e-6												
AAL94813.1   DNA polymerase III, beta chain																																				

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Test Cutoff

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p-Value

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



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0618</b>	-0.465	14.090	1.212e-1	2.89e-2	-0.791	13.948	2.997e-3	1.121e-2	-1.074	13.277	4.123e-5	3.105e-5	-0.609	13.016	1.303e-1	3.288e-1	-0.326	13.483	2.987e-1	5.562e-1	-0.283	12.874	5.864e-2	2.664e-1												
AAL94814.1   Spermidine/putrescine-binding protein																																				
<b>FN0619</b>	-1.035	8.489	3.386e-2	5.301e-2	-1.120	8.589	4.304e-4	1.011e-3	-0.843	8.477			0.192	7.646			-0.085	7.554	4.027e-1	8.801e-1	0.277	7.746														
AAL94815.1   Small-conductance mechanosensitive channel																																				
<b>FN0621</b>	-0.074	11.610	2.679e-1	8.158e-1	-0.505	11.363	2.115e-3	7.286e-3	0.032	11.512	1.478e-1	8.778e-1	0.106	11.642	2.437e-1	7.723e-1	-0.431	11.289	1.955e-1	3.027e-1	0.537	11.395	2.307e-2	9.287e-2												
AAL94817.1   4-hydroxybutyrate coenzyme A transferase																																				
<b>FN0622</b>	2.520	7.838	4.561e-2	7.908e-2	3.782	9.284	1.265e-3	3.955e-3	-0.586	4.529	1.697e-4	2.285e-4	-3.105	7.252	4.485e-2	6.767e-2	1.262	11.804	4.144e-2	1.602e-2	-4.367	8.699	1.66e-3	3.674e-3												
AAL94818.1   8-oxoguanine DNA glycosylase																																				
<b>FN0625</b>	-0.443	9.165			-0.989	8.803			0.628	10.033	2.237e-2	1.024e-1	1.071	9.793			-0.547	8.360			1.618	9.431														
AAL94821.1   Aspartate aminotransferase																																				
<b>FN0626</b>																																				
AAL94822.1   Hypothetical cytosolic protein																																				
<b>FN0627</b>	-1.099	14.249	1.614e-2	2.042e-2	-0.867	14.665	2.127e-4	4.124e-4	0.549	15.693	1.368e-4	1.7e-4	1.648	14.798	6.612e-3	3.834e-3	0.231	13.566	3.026e-1	5.665e-1	1.417	15.214	4.805e-7	4.851e-8												
AAL94823.1   Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)																																				
<b>FN0628</b>					-0.018	5.529	1.536e-1	9.644e-1	1.666	6.825	6.355e-4	1.355e-3									1.684	7.195	1.338e-4	1.266e-4												
AAL94824.1   Glucosamine--fructose-6-phosphate aminotransferase (isomerizing)																																				
<b>FN0629</b>	-0.251	8.251			0.344	9.031	4.925e-2	2.745e-1	1.101	9.400	3.787e-4	6.97e-4	1.353	9.353			0.595	8.780			0.757	10.133	5.895e-3	1.853e-2												
AAL94825.1   PTS system, IID component																																				
<b>FN0630</b>									0.839	8.337																										
AAL94826.1   PTS system, IIC component																																				
<b>FN0631</b>	-0.334	8.509			-0.404	8.623	5.102e-3	2.117e-2	-0.712	7.927	6.122e-3	2.322e-2	-0.378	7.797			-0.070	8.289			-0.308	7.911	5.295e-2	2.379e-1												
AAL94827.1   PTS system, IIB component																																				
<b>FN0633</b>	0.570	7.244			0.057	6.916	7.709e-2	4.439e-1	-0.507	5.963	5.275e-2	2.747e-1	-1.077	6.737			-0.513	7.485			-0.564	6.408	5.091e-2	2.275e-1												
AAL94829.1   Replication protein																																				
<b>FN0634</b>	-0.481	14.010	1.474e-1	3.711e-1	-2.139	12.536	1.339e-4	2.301e-4	-0.464	13.823	1.253e-3	3.257e-3	0.016	13.546	2.897e-1	9.78e-1	-1.658	12.056	1.414e-1	1.665e-1	1.675	12.072	3.101e-5	1.7e-5												
AAL94830.1   GTP-binding protein TypA/BipA																																				
<b>FN0636</b>																																				
AAL94832.1   Hypothetical protein																																				
<b>FN0637</b>									-0.561	5.319	7.934e-3	3.142e-2																								
AAL94833.1   Hypothetical exported 24-amino acid repeat protein																																				
<b>FN0643</b>	0.764	9.037	6.087e-2	1.184e-1	0.129	8.587	1.19e-1	7.175e-1	-0.252	7.818	3.311e-2	1.615e-1	-1.016	8.785	4.744e-2	7.347e-2	-0.635	9.351	1.48e-1	1.846e-1	-0.381	8.335	7.704e-2	3.611e-1												
AAL94839.1   hypothetical DNA-binding protein																																				
<b>FN0644</b>	-0.006	11.352	2.955e-1	9.351e-1	-0.635	10.907	3.776e-3	1.502e-2	-0.400	10.754	3.796e-2	1.893e-1	-0.395	10.952	9.26e-2	1.941e-1	-0.629	10.902	4.995e-2	2.264e-2	0.235	10.507	1.079e-1	5.229e-1												
AAL94840.1   Uroporphyrin-III C-methyltransferase																																				

Show detected proteins only  
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Filter by category:

GO: amino acid transport

Proteins found:  
1424

Enter (or paste) list of ORFs

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p-Value

Cutoff

.005

Dot Plots

Dot Plots

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

FnPg vs Fn — █ — FnSg vs Fn  
FnPgSg vs Fn — █ — FnPgSg vs FnPg  
FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0645</b>	-0.441	6.247	1.22e-1	2.915e-1	-0.851	6.021			-0.577	5.907	9.526e-3	3.902e-2	-0.136	5.670	2.437e-1	7.726e-1	-0.410	5.580			0.275	5.444														
	AAL94841.1   Porphobilinogen deaminase																																			
<b>FN0646</b>																					2.069	5.239														
	AAL94842.1   Glutamyl-tRNA reductase																																			
<b>FN0647</b>																																				
	AAL94843.1   transcriptional regulator																																			
<b>FN0649</b>																																				
	AAL94845.1   Exoenzymes regulatory protein aepA precursor																																			
<b>FN0651</b>																																				
	AAL94847.1   Ribosomal large subunit pseudouridine synthase D																																			
<b>FN0652</b>	1.042	23.635	5.399e-2	9.959e-2	1.685	24.463	5.153e-4	1.277e-3	-0.162	22.228	2.716e-2	1.279e-1	-1.204	23.474	5.014e-2	7.989e-2	0.643	25.505	9.371e-2	7.596e-2	-1.847	24.301	4.383e-4	6.266e-4												
	AAL94848.1   Glyceraldehyde 3-phosphate dehydrogenase																																			
<b>FN0653</b>	0.280	11.739	1.59e-1	4.101e-1	0.939	12.582	4.025e-3	1.62e-2	-1.204	10.051	6.921e-4	1.509e-3	-1.484	10.535	2.845e-2	3.52e-2	0.659	12.862	8.06e-2	5.492e-2	-2.143	11.378	1.208e-3	2.477e-3												
	AAL94849.1   unknown																																			
<b>FN0654</b>	-0.077	18.744	2.383e-1	6.975e-1	0.924	19.929	7.066e-4	1.93e-3	-0.605	18.012	6.725e-4	1.457e-3	-0.528	18.139	5.338e-2	8.806e-2	1.001	19.852	7.062e-3	1.02e-3	-1.529	19.324	2.485e-4	2.983e-4												
	AAL94850.1   Phosphoglycerate kinase																																			
<b>FN0655</b>	-2.886	9.805			-2.362	10.514	8.012e-4	2.282e-3	-0.599	11.889	1.606e-2	7.04e-2	2.287	9.206			0.524	7.628			1.763	9.915	4.916e-3	1.47e-2												
	AAL94851.1   unknown																																			
<b>FN0656</b>									-1.318	11.420	1.331e-3	3.554e-3																								
	AAL94852.1   Hypothetical protein																																			
<b>FN0657</b>	1.009	7.910			2.260	9.346											1.251	10.355																		
	AAL94853.1   Acetyltransferase																																			
<b>FN0658</b>	-1.362	13.326	3.023e-4	7.136e-5	-1.617	13.256	5.919e-5	7.705e-5	0.052	14.536	4.079e-2	2.059e-1	1.414	13.378	1.064e-6	1.419e-8	-0.254	11.894	2.477e-3	1.78e-4	1.668	13.308	4.392e-6	8.367e-7												
	AAL94854.1   ABC transporter substrate-binding protein																																			
<b>FN0660</b>	-0.313	7.005	6.954e-2	1.414e-1	-0.733	6.770	1.002e-2	4.685e-2	-0.653	6.461	3.459e-3	1.168e-2	-0.340	6.351	1.009e-1	2.225e-1	-0.419	6.456	1.751e-1	2.506e-1	0.080	6.117	1.598e-1	8.224e-1												
	AAL94856.1   ABC transporter ATP-binding protein																																			
<b>FN0662</b>	0.384	11.041	2.322e-1	6.744e-1	0.581	11.423	6.587e-4	1.756e-3	0.263	10.716	1.425e-2	6.149e-2	-0.121	11.303	2.691e-1	8.829e-1	0.198	11.806	3.768e-1	7.893e-1	-0.318	11.685	2.059e-3	4.791e-3												
	AAL94858.1   Formiminoglutamase																																			
<b>FN0664</b>	-1.329	13.462	7.1e-3	7.367e-3	-0.313	14.662	9.048e-2	5.286e-1	-0.587	14.000	2.851e-3	9.277e-3	0.742	12.874	5.797e-2	9.97e-2	1.016	13.333	1.705e-1	2.394e-1	-0.274	14.075	1.307e-1	6.503e-1												
	AAL94860.1   2-nitropropane dioxygenase																																			
<b>FN0666</b>					-1.071	6.290	1.61e-4	2.956e-4																												
	AAL94862.1   Hypothetical protein																																			
<b>FN0668</b>	-0.885	9.350	3.602e-2	5.742e-2	-0.869	9.550	1.004e-6	1.511e-7	-1.596	8.436	1.109e-3	2.747e-3	-0.710	7.754	1.171e-1	2.803e-1	0.016	8.665	4.265e-1	9.708e-1	-0.727	7.955	1.69e-2	6.487e-2												
	AAL94864.1   High-affinity zinc uptake system protein znuA precursor																																			

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Proteins found: 1424

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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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																		
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6								
<b>FN0672</b>													0.629	6.629			0.958	7.142			-0.328	7.772																					
	AAL94868.1   ATPase																																										
<b>FN0675</b>	0.293	20.681	2.319e-1	6.732e-1	1.552	22.124	6.365e-3	2.739e-2	-0.047	20.137	9.545e-2	5.335e-1	-0.340	20.634	2.088e-1	6.325e-1	1.259	22.417	7.412e-2	4.62e-2	-1.599	22.077	7.717e-3	2.578e-2																			
	AAL94871.1   60 kDa chaperonin GROEL																																										
<b>FN0676</b>	-2.238	13.222			-2.415	13.229	3.02e-4	6.479e-4	-1.245	14.012	5.316e-4	1.079e-3	0.993	11.977			-0.177	10.991			1.171	11.985	2.937e-4	3.755e-4																			
	AAL94872.1   10 kDa chaperonin GROES																																										
<b>FN0677</b>	-0.452	12.428	7.458e-2	1.549e-1	-0.420	12.645	9.004e-4	2.623e-3	-1.849	10.827	1.647e-5	6.684e-6	-1.397	10.579	3.454e-2	4.698e-2	0.032	12.193	4.123e-1	9.158e-1	-1.430	10.796	9.163e-5	7.743e-5																			
	AAL94873.1   Hypothetical protein																																										
<b>FN0678</b>	-2.001	10.975	3.84e-3	3.143e-3	-0.741	12.419	6.85e-5	9.561e-5	-0.784	11.988	9.635e-5	1.029e-4	1.217	10.191	3.294e-2	4.369e-2	1.260	10.418	6.35e-2	3.463e-2	-0.043	11.635	1.3e-1	6.463e-1																			
	AAL94874.1   Ser/Thr protein kinase																																										
<b>FN0679</b>	-0.047	8.116	2.976e-1	9.447e-1	-1.004	7.344			-2.037	5.922			-1.990	6.079			-0.957	7.297			-1.033	5.307																					
	AAL94875.1   GTPase																																										
<b>FN0680</b>													-0.422	5.578			0.608	6.793			-1.031	6.370																					
	AAL94876.1   Ribulose-phosphate 3-epimerase																																										
<b>FN0681</b>	0.072	16.439	2.266e-1	6.533e-1	-0.045	16.507	1.015e-1	6.006e-1	-0.629	15.534	5.92e-4	1.237e-3	-0.701	15.810	2.402e-2	2.75e-2	-0.117	16.579	2.764e-1	4.986e-1	-0.585	15.877	2.382e-3	5.769e-3																			
	AAL94877.1   Transcriptional regulator, MarR family																																										
<b>FN0682</b>	-0.287	8.933	1.441e-1	3.602e-1	0.352	9.756	1.795e-2	9.098e-2	-0.398	8.618	4.682e-2	2.403e-1	-0.111	8.535	2.443e-1	7.748e-1	0.639	9.469	6.915e-2	4.046e-2	-0.750	9.358	8.597e-3	2.928e-2																			
	AAL94878.1   Fibronectin-binding protein-like protein A																																										
<b>FN0684</b>													-2.867	6.240			-0.796	8.495	1.86e-1	2.775e-1	-2.070	5.628																					
	AAL94880.1   Prismane protein																																										
<b>FN0685</b>	1.715	11.795			1.229	11.493	8.405e-3	3.802e-2	-1.816	8.059	3.693e-5	2.531e-5	-3.531	9.978			-0.486	13.208			-3.046	9.677	4.206e-3	1.193e-2																			
	AAL94881.1   Sodium/pantothenate symporter																																										
<b>FN0688</b>	-0.814	10.428			0.481	11.908	1.35e-4	2.328e-4	-2.434	8.604	1.698e-8	3.432e-10	-1.621	7.994			1.295	11.094			-2.916	9.474	1.716e-5	7.086e-6																			
	AAL94884.1   Hypothetical protein																																										
<b>FN0689</b>	-1.400	15.034	7.674e-3	8.181e-3	-0.705	15.913	7.982e-3	3.579e-2	-1.277	14.954	3.587e-5	2.382e-5	0.123	13.758	2.44e-1	7.739e-1	0.695	14.514	1.458e-1	1.783e-1	-0.571	14.637	3.858e-2	1.661e-1																			
	AAL94885.1   Hypothetical protein																																										
<b>FN0692</b>					-1.624	7.070	3.245e-3	1.238e-2	-2.211	6.096											-0.587	4.860																					
	AAL94888.1   Nitrogen regulation protein NIFR3																																										
<b>FN0693</b>	-0.715	9.438							-1.515	8.434			-0.800	7.923																													
	AAL94889.1   DNA mismatch repair protein mutS																																										
<b>FN0694</b>	-1.205	11.775	2.013e-3	1.303e-3	-0.540	12.624	2.427e-3	8.634e-3	-0.881	11.895	4.819e-4	9.525e-4	0.324	10.894	2.604e-2	3.092e-2	0.664	11.419	5.857e-4	8.19e-6	-0.341	11.743	4.346e-3	1.248e-2																			
	AAL94890.1   S-layer protein																																										
<b>FN0695</b>	-0.255	9.735	1.841e-1	5.011e-1	0.494	10.669	8.939e-3	4.09e-2	-0.332	9.455	4.54e-2	2.321e-1	-0.077	9.403	2.599e-1	8.421e-1	0.749	10.414	7.742e-2	5.045e-2	-0.826	10.337	9.512e-4	1.814e-3																			
	AAL94891.1   ABC transporter ATP-binding protein																																										

Show detected proteins only  
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 Filter by category:

Proteins found: 1424

Test Cutoff

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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0697</b>	-0.888	15.023	2.426e-3	1.676e-3	-0.654	15.441	2.525e-4	5.114e-4	-0.279	15.429	1.298e-3	3.428e-3	0.610	14.744	8.259e-3	5.648e-3	0.234	14.553	1.472e-1	1.822e-1	0.376	15.163	2.452e-3	5.992e-3												
AAL94893.1   Alanyl-tRNA synthetase																																				
<b>FN0699</b>	-2.041	12.095	2.411e-4	5.118e-5	-2.538	11.782	4.124e-5	4.597e-5	-0.586	13.346	2.026e-3	6.156e-3	1.455	11.509	6.894e-3	4.104e-3	-0.498	9.741	1.948e-1	3.009e-1	1.952	11.196	1.933e-4	2.085e-4												
AAL94895.1   Protein translocase subunit secD																																				
<b>FN0700</b>	-1.970	10.170	8.457e-4	3.581e-4	-3.208	9.117	4.85e-4	1.179e-3	-1.124	10.813	1.864e-3	5.557e-3	0.847	9.046	2.532e-2	2.968e-2	-1.237	7.147	8.815e-2	6.643e-2	2.084	7.994	3.144e-6	5.274e-7												
AAL94896.1   Protein translocase subunit secF																																				
<b>FN0701</b>	-0.323	15.171	7.1e-4	2.664e-4	-0.888	14.791	1.253e-5	8.483e-6	-0.241	15.049	4.958e-4	9.89e-4	0.082	14.930	7.371e-2	1.388e-1	-0.565	14.468	2.414e-3	1.68e-4	0.647	14.550	8.241e-5	6.706e-5												
AAL94897.1   Methyltransferase																																				
<b>FN0705</b>	-0.948	13.356	6.438e-3	6.416e-3	-0.554	13.935	1.123e-4	1.815e-4	-0.928	13.173	3.658e-5	2.481e-5	0.020	12.428	2.809e-1	9.364e-1	0.395	12.987	1.301e-1	1.401e-1	-0.375	13.007	1.004e-3	1.947e-3												
AAL94901.1   DNA polymerase I																																				
<b>FN0706</b>					-1.443	5.443			-0.664	5.834											0.779	4.779														
AAL94902.1   Hypothetical cytosolic protein																																				
<b>FN0707</b>	-0.919	8.340	2.628e-2	3.818e-2	-1.677	7.767	9.49e-4	2.796e-3	-1.492	7.564	1.176e-3	2.978e-3	-0.572	6.849	1.271e-1	3.164e-1	-0.758	6.848	1.654e-1	2.271e-1	0.185	6.275	1.028e-1	4.958e-1												
AAL94903.1   Riboflavin kinase																																				
<b>FN0710</b>	-0.325	11.975	3.353e-2	5.231e-2	-0.551	11.934	2.344e-3	8.271e-3	-0.639	11.457	1.889e-3	5.652e-3	-0.314	11.337	5.238e-2	8.549e-2	-0.226	11.609	1.391e-1	1.607e-1	-0.088	11.295	1.796e-2	6.956e-2												
AAL94906.1   Hypothetical protein																																				
<b>FN0711</b>	0.574	7.601			1.073	8.284	1.013e-2	4.741e-2	-0.279	6.543	6.685e-2	3.574e-1	-0.854	7.321			0.499	8.858			-1.353	8.005	8.191e-3	2.767e-2												
AAL94907.1   Phosphopantothenate--cysteine ligase																																				
<b>FN0714</b>																	0.579	6.868	8.837e-2	6.68e-2																
AAL94910.1   NADH oxidase																																				
<b>FN0715</b>	0.137	14.316	2.68e-1	8.164e-1	0.029	14.392	9.823e-2	5.789e-1	0.854	14.829	4.094e-3	1.433e-2	0.717	15.170	8.524e-2	1.711e-1	-0.108	14.529	3.952e-1	8.53e-1	0.825	15.246	4.6e-3	1.348e-2												
AAL94911.1   Hypothetical protein																																				
<b>FN0716</b>	-0.970	11.302	2.889e-2	4.303e-2	-0.235	12.221	2.347e-2	1.221e-1	-1.301	10.767	1.141e-3	2.855e-3	-0.331	10.001	1.889e-1	5.491e-1	0.735	11.251	1.181e-1	1.158e-1	-1.066	10.920	1.651e-5	6.648e-6												
AAL94912.1   hypothetical protein																																				
<b>FN0717</b>					-0.747	5.391			-0.553	5.197											0.194	4.838														
AAL94913.1   Ribosomal small subunit pseudouridine synthase A																																				
<b>FN0719</b>																																				
AAL94915.1   Hypothetical cytosolic protein																																				
<b>FN0720</b>	-1.271	13.663	1.901e-4	3.531e-5	-1.166	13.952	2.368e-3	8.377e-3	-1.880	12.850	7.657e-5	7.375e-5	-0.610	11.783	2.682e-2	3.226e-2	0.104	12.681	3.747e-1	7.823e-1	-0.714	12.072	4.008e-2	1.736e-1												
AAL94916.1   Protein Translation Elongation Factor P (EF-P)																																				
<b>FN0721</b>	-2.523	10.323	1.122e-3	5.666e-4	-1.317	11.714	9.684e-7	1.428e-7	-1.131	11.511	2.317e-4	3.61e-4	1.392	9.191	9.474e-3	6.935e-3	1.207	9.191	5.226e-2	2.476e-2	0.185	10.583	4.316e-2	1.888e-1												
AAL94917.1   Hypothetical protein																																				
<b>FN0722</b>	-0.674	7.275	4.278e-2	7.23e-2	-0.475	7.658	1.291e-2	6.278e-2	-1.872	5.872			-1.198	5.402			0.199	6.984	3.202e-1	6.151e-1	-1.397	5.786														
AAL94918.1   WD-repeat family protein																																				

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p-Value

Dot Plots  
Dot Plots

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



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios								
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6		
<b>FN0723</b>																	0.230	4.414											
	AAL94919.1   Hypothetical protein																												
<b>FN0724</b>	0.527	10.961	1.99e-3	1.28e-3	0.725	11.343	9.616e-3	4.466e-2	0.344	10.574	1.666e-2	7.341e-2	-0.183	11.305	9.02e-2	1.864e-1	0.198	11.870	2.208e-1	3.618e-1	-0.381	11.687	3.506e-2	1.488e-1					
	AAL94920.1   Flavodoxin																												
<b>FN0725</b>	0.639	7.469	1.276e-1	3.087e-1	1.581	8.595	3.629e-3	1.428e-2	0.016	6.642	1.604e-1	9.67e-1	-0.623	7.485	1.33e-1	3.392e-1	0.942	9.234	8.216e-2	5.711e-2	-1.565	8.611	3.401e-3	8.996e-3					
	AAL94921.1   Molybdopterin biosynthesis MoeB protein																												
<b>FN0728</b>	0.390	10.411	3.142e-3	2.396e-3	0.434	10.640	5.332e-4	1.337e-3	0.298	10.116	9.09e-4	2.113e-3	-0.092	10.709	2.338e-2	2.648e-2	0.044	11.030	2.072e-2	4.912e-3	-0.136	10.938	2.482e-3	6.088e-3					
	AAL94924.1   Hypothetical protein																												
<b>FN0729</b>	-0.595	15.069	5.641e-2	1.06e-1	-1.268	14.581	6.792e-5	9.439e-5	-0.521	14.939	6.743e-4	1.462e-3	0.074	14.548	2.571e-1	8.297e-1	-0.672	13.985	1.529e-1	1.974e-1	0.747	14.060	2.999e-3	7.674e-3					
	AAL94925.1   Phosphoglycerate mutase																												
<b>FN0731</b>	0.969	9.971	6.08e-2	1.182e-1	-0.446	8.740	2.745e-2	1.451e-1	-0.059	8.739	7.61e-2	4.131e-1	-1.028	9.912	6.179e-2	1.091e-1	-1.416	9.709	8.692e-2	6.439e-2	0.387	8.681	4.482e-2	1.97e-1					
	AAL94927.1   Hypothetical protein																												
<b>FN0733</b>	-0.641	13.087	1.256e-2	1.49e-2	-1.280	12.632	1.505e-5	1.085e-5	0.483	14.007	3.863e-5	2.793e-5	1.123	13.570	3.011e-3	1.233e-3	-0.640	11.992	7.913e-2	5.28e-2	1.763	13.115	3.459e-6	6.111e-7					
	AAL94929.1   Peptidase T																												
<b>FN0734</b>					-1.617	5.582	5.426e-5	6.813e-5																					
	AAL94930.1   Fe-S oxidoreductase																												
<b>FN0735</b>	0.018	13.715	3.04e-1	9.736e-1	-1.818	12.063	7.361e-6	3.616e-6	-0.054	13.439	1.183e-1	6.795e-1	-0.072	13.661	2.727e-1	8.987e-1	-1.836	12.081	1.241e-1	1.275e-1	1.765	12.009	7.314e-4	1.272e-3					
	AAL94931.1   Cell surface protein																												
<b>FN0736</b>														0.349	5.716	1.385e-1	3.605e-1	1.465	7.017	7.327e-3	1.095e-3	-1.116	7.366	1.799e-3	4.056e-3				
	AAL94932.1   Methyltransferase																												
<b>FN0737</b>														-0.908	8.707														
	AAL94933.1   Hypothetical protein																												
<b>FN0738</b>	-0.806	11.548	7.814e-4	3.119e-4	-0.943	11.505	2.79e-3	1.024e-2	-1.700	10.360	5.852e-5	5.076e-5	-0.894	9.757	9.526e-3	6.993e-3	-0.137	10.699	3.267e-1	6.335e-1	-0.757	9.805	2.537e-2	1.032e-1					
	AAL94934.1   Hypothetical exported 24-amino acid repeat protein																												
<b>FN0739</b>	-0.513	15.451	1.985e-3	1.275e-3	-0.733	15.416	5.84e-4	1.501e-3	0.591	16.351	9.206e-5	9.607e-5	1.104	16.041	5.335e-4	9.82e-5	-0.219	14.903	1.404e-1	1.64e-1	1.323	16.007	3.31e-5	1.872e-5					
	AAL94935.1   Formiminotetrahydrofolate cyclodeaminase																												
<b>FN0740</b>	-0.223	17.608	2.153e-1	6.116e-1	0.434	18.450	1.528e-2	7.616e-2	-0.616	17.012	1.28e-4	1.542e-4	-0.393	16.992	1.717e-1	4.807e-1	0.658	18.227	1.348e-1	1.506e-1	-1.050	17.835	4.295e-3	1.228e-2					
	AAL94936.1   Imidazolonepropionase																												
<b>FN0741</b>	-0.254	18.286	1.884e-1	5.171e-1	-0.038	18.686	1.211e-1	7.32e-1	0.288	18.624	2.784e-3	9.005e-3	0.542	18.574	8.821e-2	1.802e-1	0.216	18.432	3.115e-1	5.908e-1	0.326	18.975	7.731e-3	2.584e-2					
	AAL94937.1   Glutamate formiminotransferase																												
<b>FN0742</b>	-0.400	12.066			-0.576	12.074	7.048e-3	3.095e-2	-0.460	11.802	2.817e-2	1.334e-1	-0.060	11.605			-0.176	11.674			0.116	11.614	1.398e-1	7.029e-1					
	AAL94938.1   unknown																												
<b>FN0743</b>					-1.291	5.907	1.824e-4	3.424e-4	0.211	7.022	5.456e-3	2.028e-2									1.503	6.119	4.719e-5	3.226e-5					
	AAL94939.1   ATP-dependent helicase, DinG family																												

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Proteins found: 1424

**Test**      **Cutoff**

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

FnPg vs Fn — █ — Fn vs Fn

FnPgSg vs FnPg — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0745</b>	-0.804	14.359	2.971e-2	4.461e-2	-0.104	15.243	1.099e-1	6.559e-1	-0.765	14.194	3.351e-3	1.126e-2	0.039	13.594	2.765e-1	9.162e-1	0.700	14.439	1.084e-1	9.875e-2	-0.661	14.479	1.661e-2	6.357e-2												
	AAL94941.1   metal dependent phosphohydrolase																																			
<b>FN0746</b>	0.470	7.371			0.239	7.325											-0.231	7.795	3.577e-1	7.271e-1																
	AAL94942.1   Hypothetical Metal-Binding Protein																																			
<b>FN0749</b>									-0.864	5.579																										
	AAL94945.1   Hypothetical protein																																			
<b>FN0750</b>	-0.814	9.463	6.976e-3	7.184e-3	0.682	11.143	3.125e-5	3.036e-5	-1.869	8.204	2.312e-4	3.598e-4	-1.055	7.594	2.892e-2	3.608e-2	1.496	10.329	3.169e-3	2.864e-4	-2.551	9.274	5.349e-5	3.806e-5												
	AAL94946.1   Hypothetical protein																																			
<b>FN0751</b>	-0.553	8.549	4.505e-2	7.772e-2	0.312	9.598	2.544e-2	1.334e-1	-0.623	8.276	2.707e-3	8.698e-3	-0.070	7.927	2.538e-1	8.153e-1	0.864	9.045	4.183e-2	1.629e-2	-0.934	8.976	4.039e-3	1.129e-2												
	AAL94947.1   L-asparaginase I																																			
<b>FN0752</b>	-0.408	8.171	1.659e-1	4.341e-1	0.104	8.868	3.433e-2	1.859e-1	-1.588	6.788	1.331e-4	1.632e-4	-1.180	6.584	1.005e-1	2.212e-1	0.512	8.460	2.058e-1	3.26e-1	-1.692	7.280	3.767e-5	2.284e-5												
	AAL94948.1   Proline iminopeptidase																																			
<b>FN0753</b>	0.623	12.598	6.089e-3	5.94e-3	-0.116	12.044	8.057e-2	4.656e-1	1.007	12.778	5.188e-4	1.047e-3	0.384	13.604	4.261e-4	6.832e-5	-0.738	12.667	7.267e-4	1.671e-5	1.122	13.051	3.642e-7	3.4e-8												
	AAL94949.1   Glutamyl-tRNA(Gln) amidotransferase subunit B																																			
<b>FN0754</b>	-0.166	13.764	1.542e-1	3.937e-1	-0.420	13.694	9.565e-3	4.437e-2	-0.034	13.692	1.354e-1	7.925e-1	0.132	13.730	1.904e-1	5.553e-1	-0.254	13.528	2.054e-1	3.252e-1	0.386	13.660	2.115e-2	8.418e-2												
	AAL94950.1   Glutamyl-tRNA(Gln) amidotransferase subunit A																																			
<b>FN0755</b>	-0.990	10.984	4.575e-3	4.019e-3	-1.054	11.105	7.568e-4	2.122e-3	-0.741	11.029	1.173e-3	2.969e-3	0.249	10.243	6.245e-2	1.106e-1	-0.064	10.115	2.386e-1	4.074e-1	0.313	10.364	1.69e-2	6.487e-2												
	AAL94951.1   Glutamyl-tRNA(Gln) amidotransferase subunit C																																			
<b>FN0758</b>	-0.636	15.014	6.197e-4	2.131e-4	-0.123	15.712	8.126e-2	4.7e-1	-0.951	14.496	1.389e-4	1.738e-4	-0.315	14.064	2.591e-2	3.069e-2	0.513	15.076	8.518e-2	6.162e-2	-0.828	14.761	7.804e-3	2.615e-2												
	AAL94954.1   Rod shape-determining protein mreB																																			
<b>FN0761</b>	1.146	9.350			0.070	8.459	1.305e-1	7.978e-1	-0.342	7.659	4.446e-2	2.267e-1	-1.488	9.008			-1.076	9.604			-0.412	8.116	3.712e-2	1.588e-1												
	AAL94957.1   Bvg accessory factor																																			
<b>FN0765</b>	-0.706	6.321			-2.020	5.190			-1.411	5.411			-0.705	4.909			-1.315	4.485			0.609	3.779														
	AAL94961.1   tRNA (5-methylaminomethyl-2-thiouridylate) -methyltransferase																																			
<b>FN0766</b>									0.488	8.871																										
	AAL94962.1   Large-conductance mechanosensitive channel																																			
<b>FN0768</b>	-1.501	5.501							-1.399	5.399			0.102	4.102																						
	AAL94964.1   Hemin receptor																																			
<b>FN0771</b>					-1.844	6.738																														
	AAL94967.1   Oxygen-independent coproporphyrinogen III oxidase																																			
<b>FN0772</b>																																				
	AAL94968.1   Flavodoxin																																			
<b>FN0774</b>	-1.485	13.578	9.811e-4	4.556e-4	-3.087	12.161	1.752e-5	1.35e-5	-0.436	14.423	9.202e-3	3.744e-2	1.049	13.142	9.962e-3	7.501e-3	-1.602	10.676	4.351e-2	1.752e-2	2.651	11.725	1.671e-3	3.706e-3												
	AAL94970.1   Hypothetical cytosolic protein																																			

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Proteins found: 1424

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Test Cutoff

q-Value p-Value

.005

Dot Plots

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

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																				
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6										
<b>FN0775</b>	-0.365	16.737	1.277e-1	3.09e-1	-0.491	16.796	1.102e-4	1.771e-4	-0.699	16.200	1.849e-6	3.037e-7	-0.334	16.039	1.62e-1	4.443e-1	-0.126	16.431	3.637e-1	7.462e-1	-0.208	16.097	4.753e-3	1.406e-2																					
	AAL94971.1   Aspartyl aminopeptidase																																												
<b>FN0776</b>	-0.544	12.818	9.877e-3	1.119e-2	0.001	13.548	1.573e-1	9.918e-1	-0.808	12.351	1.605e-3	4.605e-3	-0.264	12.011	1.524e-2	1.451e-2	0.545	13.004	2.901e-3	2.384e-4	-0.809	12.740	1.938e-5	8.774e-6																					
	AAL94972.1   Aspartate-ammonia ligase																																												
<b>FN0777</b>	-0.718	11.661	1.643e-2	2.09e-2	0.035	12.600	1.364e-1	8.395e-1	0.357	12.533	1.327e-2	5.67e-2	1.076	12.019	1.108e-4	1.037e-5	0.754	11.881	1.469e-2	2.998e-3	0.322	12.957	6.432e-3	2.06e-2																					
	AAL94973.1   GTP-binding protein lepA																																												
<b>FN0778</b>	-1.013	9.000	3.391e-2	5.311e-2	-0.442	9.755	5.398e-4	1.358e-3	-1.087	8.721			-0.074	7.912			0.571	8.742	1.696e-1	2.373e-1	-0.645	8.667																							
	AAL94974.1   Methyltransferase																																												
<b>FN0779</b>																	0.819	5.648																											
	AAL94975.1   Putative GTPases (G3E family)																																												
<b>FN0783</b>	0.114	23.085	1.388e-1	3.433e-1	-0.196	22.959	1.153e-2	5.503e-2	0.931	23.698	4.028e-3	1.405e-2	0.817	24.016	1.433e-2	1.31e-2	-0.310	23.073	8.181e-2	5.661e-2	1.127	23.890	3.135e-3	8.112e-3																					
	AAL94979.1   acyl-CoA dehydrogenase																																												
<b>FN0784</b>	-0.300	22.413	8.082e-2	1.723e-1	-0.325	22.572	7.081e-3	3.113e-2	-0.082	22.427	9.113e-2	5.064e-1	0.218	22.331	1.348e-1	3.467e-1	-0.025	22.273	4.104e-1	9.089e-1	0.243	22.490	3.765e-2	1.615e-1																					
	AAL94980.1   Electron transfer flavoprotein beta-subunit																																												
<b>FN0785</b>	0.019	21.833	2.747e-1	8.446e-1	-0.067	21.932	1.008e-1	5.956e-1	-0.348	21.263	1.182e-3	2.999e-3	-0.366	21.485	1.978e-2	2.089e-2	-0.085	21.951	2.939e-1	5.434e-1	-0.281	21.584	2.38e-2	9.609e-2																					
	AAL94981.1   Electron transfer flavoprotein alpha-subunit																																												
<b>FN0788</b>	0.597	9.459	5.714e-3	5.441e-3	0.484	9.531	9.059e-3	4.156e-2	0.016	8.675	1.563e-1	9.377e-1	-0.581	9.475	1.342e-2	1.181e-2	-0.113	10.128	2.482e-2	4.307e-1	-0.468	9.547	1.429e-2	5.336e-2																					
	AAL94984.1   unknown																																												
<b>FN0790</b>	-1.542	6.739	1.755e-3	1.065e-3	-0.605	7.860	1.985e-5	1.632e-5	-1.717	6.361			-0.174	5.022			0.937	6.318	3.515e-2	1.213e-2	-1.111	6.143																							
	AAL94986.1   Xylose repressor																																												
<b>FN0791</b>	-0.142	18.534	1.267e-1	3.059e-1	-0.247	18.614	2.21e-2	1.143e-1	-0.404	18.068	1.095e-3	2.699e-3	-0.262	18.129	7.291e-2	1.367e-1	-0.105	18.471	3.015e-1	5.636e-1	-0.157	18.209	6.807e-2	3.146e-1																					
	AAL94987.1   Histidine ammonia-lyase																																												
<b>FN0792</b>	0.041	20.440	2.873e-1	8.985e-1	0.238	20.822	5.849e-4	1.504e-3	-0.341	19.854	2.672e-4	4.339e-4	-0.382	20.099	1.319e-1	3.348e-1	0.197	20.863	2.865e-1	5.241e-1	-0.579	20.481	3.913e-5	2.429e-5																					
	AAL94988.1   Urocanate hydratase																																												
<b>FN0793</b>	-0.749	7.919							0.585	9.049			1.334	8.504																															
	AAL94989.1   Sodium/glutamate symport carrier protein																																												
<b>FN0794</b>	0.570	7.244			1.117	7.976	1.338e-4	2.299e-4	-0.428	6.043			-0.998	6.816			0.547	8.545			-1.545	7.548																							
	AAL94990.1   Hypothetical protein																																												
<b>FN0796</b>	-0.165	15.072	1.399e-1	3.468e-1	-0.217	15.204	1.154e-3	3.536e-3	-0.552	14.481	1.323e-4	1.618e-4	-0.387	14.519	6.494e-2	1.166e-1	-0.052	15.039	3.704e-1	7.68e-1	-0.335	14.652	5.547e-4	8.644e-4																					
	AAL94992.1   Pyruvate,phosphate dikinase																																												
<b>FN0798</b>	-0.232	7.274	2.163e-1	6.154e-1	1.292	8.982	2.66e-2	1.401e-1	0.280	7.582	1.017e-1	5.729e-1	0.512	7.554	1.03e-1	2.302e-1	1.523	8.750	1.185e-1	1.167e-1	-1.012	9.262	4.355e-2	1.907e-1																					
	AAL94994.1   Fructose-1,6-bisphosphatase																																												
<b>FN0799</b>	0.417	8.365	1.651e-1	4.315e-1	0.442	8.575	8.966e-3	4.105e-2	-0.172	7.573			-0.589	8.193			0.025	8.992	4.223e-1	9.542e-1	-0.614	8.403																							
	AAL94995.1   Isoamylase																																												

Show detected proteins only  
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Filter by category:  
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Proteins found: 1424

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Dot Plots

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

FnPg vs Fn — ■ — FnSg vs Fn

FnPgSg vs Fn — ■ — FnPgSg vs FnPg

FnSg vs FnPg — ■ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0800</b> AAL94996.1   Amino acid-binding protein	-0.203	10.414	2.558e-1	7.663e-1	0.133	10.934	4.685e-2	2.599e-1	1.398	11.810	1.159e-3	2.917e-3	1.601	11.811	1.504e-2	1.419e-2	0.336	10.731	3.194e-1	6.127e-1	1.264	12.332	1.287e-3	2.673e-3												
<b>FN0801</b> AAL94997.1   Amino acid transport ATP-binding protein	0.663	7.677			0.906	8.105	6.488e-6	2.993e-6									0.243	8.768																		
<b>FN0802</b> AAL94998.1   Amino acid transport system permease protein																																				
<b>FN0803</b> AAL94999.1   Cytochrome C-TYPE biogenesis protein ccdA	-1.108	12.619	9.426e-3	1.057e-2	-1.679	12.233	1.802e-3	6.016e-3	-1.139	12.385	3.573e-3	1.215e-2	-0.030	11.480	2.651e-1	8.648e-1	-0.571	11.124	6.377e-2	3.49e-2	0.540	11.094	4.987e-3	1.498e-2												
<b>FN0805</b> AAL95001.1   Hypothetical protein	1.098	6.525			0.966	6.577			-0.640	4.583			-1.738	5.884	1.516e-3	4.597e-4	-0.132	7.675	1.304e-1	1.407e-1	-1.606	5.937	1.328e-4	1.252e-4												
<b>FN0806</b> AAL95002.1   SpoIID homolog	-0.933	12.992	3.472e-3	2.747e-3	-0.810	13.300	1.075e-3	3.245e-3	-0.680	13.041	1.185e-3	3.01e-3	0.253	12.312	5.498e-2	9.234e-2	0.123	12.367	1.288e-1	1.374e-1	0.130	12.620	6.766e-2	3.125e-1												
<b>FN0807</b> AAL95003.1   3-deoxy-manno-octulosonate cytidyltransferase	-0.123	10.335	2.081e-1	5.857e-1	-1.467	9.175	3.587e-3	1.407e-2	-0.330	9.925	4.398e-2	2.24e-1	-0.207	10.006	2.849e-2	3.526e-2	-1.344	9.052	1.066e-3	3.371e-5	1.138	8.846	1.433e-4	1.392e-4												
<b>FN0808</b> AAL95004.1   Phosphoglycerate mutase	0.194	12.115	7.773e-2	1.635e-1	0.309	12.415	3.683e-3	1.456e-2	-0.392	11.325	4.92e-3	1.79e-2	-0.586	11.723	1.062e-2	8.316e-3	0.115	12.609	2.173e-1	3.531e-1	-0.701	12.023	5.939e-4	9.545e-4												
<b>FN0809</b> AAL95005.1   23S rRNA methyltransferase	-1.688	7.688			-0.780	8.780			-1.127	8.045			0.561	6.561			0.908	7.092			-0.346	7.654														
<b>FN0810</b> AAL95006.1   Low-specificity threonine aldolase	-0.040	11.620	2.449e-1	7.231e-1	0.027	11.872	1.541e-1	9.681e-1	-1.644	9.813	1.044e-4	1.167e-4	-1.603	9.977	3.696e-3	1.683e-3	0.068	11.832	4.141e-1	9.228e-1	-1.671	10.229	4.747e-2	2.101e-1												
<b>FN0811</b> AAL95007.1   Hypothetical protein																																				
<b>FN0813</b> AAL95009.1   Transcriptional regulator, TetR family	1.746	8.898			2.271	9.608	2.515e-6	6.469e-7	-0.317	6.632	9.265e-2	5.159e-1	-2.063	8.581			0.526	11.354			-2.588	9.291	1.507e-4	1.494e-4												
<b>FN0814</b> AAL95010.1   Propionate CoA-transferase	-3.939	13.406	4.364e-6	2.23e-7	-4.936	12.593	2.075e-5	1.732e-5	-0.729	16.413	3.378e-5	2.113e-5	3.210	12.677	1.028e-4	8.812e-6	-0.998	8.654	1.97e-1	3.062e-1	4.207	11.864	3.637e-5	2.161e-5												
<b>FN0815</b> AAL95011.1   Propionate permease									0.171	11.483	1.807e-2	8.055e-2																								
<b>FN0816</b> AAL95012.1   dehydrogenase with MaoC-like domain	-2.404	13.956							-1.830	14.326	1.691e-5	6.994e-6	0.574	12.126																						
<b>FN0818</b> AAL95014.1   DNA-binding protein HU	-0.807	19.104	2.353e-2	3.323e-2	-2.046	18.049	3.655e-5	3.81e-5	-0.030	19.677	1.22e-1	7.032e-1	0.777	19.073	3.084e-2	3.959e-2	-1.239	17.242	9.136e-2	7.177e-2	2.016	18.019	2.237e-5	1.089e-5												
<b>FN0819</b> AAL95015.1   Tetratricopeptide repeat family protein	-0.455	11.840	4.324e-2	7.337e-2	-0.439	12.040	2.865e-3	1.059e-2	-0.003	12.089	1.633e-1	9.878e-1	0.453	11.837	6.012e-2	1.051e-1	0.016	11.585	4.201e-1	9.459e-1	0.437	12.038	1.701e-2	6.535e-2												

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q-Value

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Dot Plots

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Signif	Direction	Applies To
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yes	-	ratios, bars
yes	+	p-, q-Values
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— FnPg vs Fn      — FnSg vs Fn  
— FnPgSg vs Fn      — FnPgSg vs FnPg  
— FnSg vs FnPg      — FnPgSg vs FnSg



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0820</b>	-0.033	14.729	2.787e-1	8.615e-1	-0.261	14.685	3.42e-2	1.851e-1	-0.244	14.313	7.001e-3	2.717e-2	-0.211	14.484	1.36e-1	3.515e-1	-0.228	14.652	2.305e-1	3.862e-1	0.017	14.440	1.768e-1	9.29e-1												
	AAL95016.1  Mercuric reductase																																			
<b>FN0821</b>	-0.301	13.129	1.883e-1	5.166e-1	-1.906	11.708	3.531e-5	3.619e-5	-1.142	12.084	2.269e-4	3.499e-4	-0.841	11.986	1.092e-1	2.534e-1	-1.605	11.407	1.204e-1	1.202e-1	0.764	10.566	4.059e-3	1.136e-2												
	AAL95017.1  Hypothetical protein																																			
<b>FN0823</b>	1.149	9.558	2.902e-2	4.329e-2	2.457	11.051	2.501e-6	6.407e-7	0.170	8.375	8.063e-2	4.41e-1	-0.979	9.728	4.119e-2	5.994e-2	1.308	12.200	8.822e-3	1.439e-3	-2.287	11.221	8.633e-6	2.239e-6												
	AAL95019.1  GTP-binding protein hflX																																			
<b>FN0824</b>																																				
	AAL95020.1  hypothetical cytosolic protein																																			
<b>FN0825</b>	-1.068	12.189	1.567e-2	1.965e-2	-1.849	11.592	1.905e-6	4.211e-7	-1.529	11.525	7.45e-5	7.091e-5	-0.461	10.661	1.347e-1	3.462e-1	-0.782	10.524	1.472e-1	1.822e-1	0.321	10.063	2.875e-2	1.187e-1												
	AAL95021.1  Hypothetical cytosolic protein																																			
<b>FN0826</b>	-1.809	9.442	4.137e-4	1.131e-4	-1.468	9.967	3.602e-4	8.111e-4	-0.526	10.521	1.786e-3	5.264e-3	1.282	8.916	4.308e-3	2.06e-3	0.340	8.158	2.634e-1	4.668e-1	0.942	9.440	4.821e-3	1.433e-2												
	AAL95022.1  periplasmic component of efflux system																																			
<b>FN0827</b>	-2.166	9.449	9.592e-3	1.08e-2	-0.594	11.207	1.769e-2	8.952e-2	-1.579	9.833	4.789e-3	1.733e-2	0.587	7.870	6.144e-3	3.415e-3	1.573	9.040	6.343e-3	8.378e-4	-0.986	9.627	1.874e-3	4.262e-3												
	AAL95023.1  ABC transporter ATP-binding protein																																			
<b>FN0828</b>					-1.864	6.988	2.085e-4	4.025e-4	-1.647	6.817											0.217	5.341														
	AAL95024.1  ABC transporter permease protein																																			
<b>FN0830</b>	1.059	11.207	1.03e-3	4.918e-4	1.224	11.557	1.181e-4	1.94e-4	-1.340	8.606	4.172e-3	1.467e-2	-2.398	9.868	1.125e-3	2.942e-4	0.165	12.616	1.271e-1	1.338e-1	-2.563	10.218	3.223e-4	4.247e-4												
	AAL95026.1  Hypothetical protein																																			
<b>FN0831</b>																																				
	AAL95027.1  Hemin receptor																																			
<b>FN0832</b>	0.110	12.638	2.816e-1	8.741e-1	-1.488	11.225	9.803e-5	1.524e-4	0.226	12.551	1.779e-2	7.913e-2	0.117	12.865	2.631e-1	8.56e-1	-1.597	11.335	1.593e-1	2.126e-1	1.714	11.452	1.427e-4	1.383e-4												
	AAL95028.1  Hypothetical protein																																			
<b>FN0833</b>	-3.561	8.205			-1.099	10.852	1.368e-3	4.349e-3	-2.045	9.517	7.314e-4	1.613e-3	1.516	6.160			2.462	7.291			-0.946	8.807	1.439e-2	5.376e-2												
	AAL95029.1  Hypothetical protein																																			
<b>FN0834</b>	-0.508	10.209	1.577e-1	4.055e-1	-1.783	9.118	2.469e-5	2.207e-5	-0.963	9.550	1.062e-5	3.442e-6	-0.455	9.246	1.962e-1	5.8e-1	-1.275	8.610	1.84e-1	2.724e-1	0.820	8.155	1.883e-3	4.288e-3												
	AAL95030.1  Hypothetical Exported Protein																																			
<b>FN0835</b>																																				
	AAL95031.1  Hypothetical protein																																			
<b>FN0836</b>	1.061	8.887	5.62e-2	1.054e-1	-0.069	7.941	9.826e-2	5.79e-1	0.384	8.006	7.241e-2	3.906e-1	-0.677	9.270	1.011e-1	2.233e-1	-1.130	9.002	1.078e-1	9.769e-2	0.453	8.325	7.05e-2	3.273e-1												
	AAL95032.1  Hypothetical protein																																			
<b>FN0837</b>																																				
	AAL95033.1  Integrase/recombinase																																			
<b>FN0846</b>	0.094	13.359	1.674e-1	4.394e-1	-0.255	13.195	1.815e-2	9.21e-2	-1.032	12.029	1.323e-3	3.524e-3	-1.126	12.326	1.663e-3	5.269e-4	-0.348	13.288	3.225e-2	1.035e-2	-0.778	12.163	1.024e-3	2e-3												
	AAL95042.1  Hypothetical Exported Protein																																			

Show detected proteins only  
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Proteins found: 1424

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Test Cutoff

q-Value .005

p-Value

Dot Plots

Signif	Direction	Applies To
yes	+	ratios, bars
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FnPg vs Fn — █ — FnSg vs Fn  
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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0847</b>	-1.659	7.659			-1.184	8.319	7.413e-5	1.081e-4	-1.892	7.222	1.49e-5	5.662e-6	-0.233	5.767			0.475	6.660			-0.708	6.427	4.613e-3	1.353e-2												
	AAL95043.1   TPR-repeat-containing proteins																																			
<b>FN0848</b>																																				
	AAL95044.1   Hypothetical protein																																			
<b>FN0849</b>	0.764	11.033	3.726e-3	3.018e-3	0.565	11.018	1.443e-3	4.635e-3	-0.787	9.278	3.527e-3	1.196e-2	-1.551	10.246	3.315e-6	7.371e-8	-0.199	11.782	7.91e-2	5.276e-2	-1.352	10.231	4.431e-4	6.356e-4												
	AAL95045.1   8-amino-7-oxononanoate synthase																																			
<b>FN0850</b>	0.248	9.184	1.255e-1	3.022e-1	1.012	10.133	2.691e-5	2.476e-5	-1.330	7.402	1.025e-4	1.134e-4	-1.578	7.854	1.143e-2	9.277e-3	0.764	10.380	3.355e-2	1.111e-2	-2.342	8.803	3.762e-5	2.279e-5												
	AAL95046.1   Hypothetical cytosolic protein																																			
<b>FN0853</b>	0.961	12.611	6.882e-3	7.045e-3	0.915	12.750	1.01e-3	3.013e-3	-0.782	10.665	6.092e-6	1.522e-6	-1.742	11.830	4.891e-3	2.447e-3	-0.045	13.711	3.647e-1	7.496e-1	-1.697	11.969	6.011e-4	9.718e-4												
	AAL95049.1   Glycogen synthase																																			
<b>FN0854</b>	1.630	13.097	4.36e-3	3.751e-3	1.493	13.145	4.839e-5	5.831e-5	0.226	11.489	3.804e-2	1.898e-1	-1.404	13.323	6.587e-3	3.811e-3	-0.137	14.775	2.379e-1	4.056e-1	-1.267	13.371	5.758e-5	4.202e-5												
	AAL95050.1   Glucose-1-phosphate adenylyltransferase																																			
<b>FN0855</b>	0.488	14.558	6.521e-2	1.302e-1	1.104	15.358	5.2e-5	6.425e-5	-0.839	13.027	4.245e-7	3.817e-8	-1.327	13.719	2.082e-2	2.247e-2	0.616	15.846	5.671e-2	2.86e-2	-1.942	14.519	3.09e-5	1.691e-5												
	AAL95051.1   Glucose-1-phosphate adenylyltransferase																																			
<b>FN0856</b>	1.224	13.568	1.528e-4	2.598e-5	0.971	13.500	1.32e-4	2.256e-4	-0.627	11.514	7.566e-3	2.973e-2	-1.851	12.942	1.324e-3	3.785e-4	-0.253	14.724	4.334e-2	1.739e-2	-1.598	12.873	7.824e-5	6.253e-5												
	AAL95052.1   1,4-alpha-glucan branching enzyme																																			
<b>FN0857</b>	0.317	15.822	9.16e-2	2.026e-1	0.743	16.433	5.978e-5	7.818e-5	-0.346	14.955	3.947e-3	1.37e-2	-0.663	15.476	3.839e-2	5.435e-2	0.426	16.750	8.631e-2	6.341e-2	-1.089	16.087	3.235e-6	5.507e-7												
	AAL95053.1   Glycogen phosphorylase																																			
<b>FN0858</b>	1.039	10.442	1.199e-3	6.356e-4	1.165	10.752	1.401e-2	6.904e-2	-2.182	7.017	4.324e-4	8.285e-4	-3.221	8.261	6.376e-4	1.248e-4	0.125	11.791	3.54e-1	7.155e-1	-3.346	8.570	6.341e-3	2.025e-2												
	AAL95054.1   4-alpha-glucanotransferase																																			
<b>FN0865</b>	2.292	12.857	9.565e-2	2.144e-1	2.373	13.122	4.153e-6	1.431e-6	-0.763	9.598	1.47e-2	6.369e-2	-3.055	12.095	8.846e-2	1.809e-1	0.081	15.415	4.125e-1	9.168e-1	-3.136	12.360	3.176e-6	5.356e-7												
	AAL95061.1   unknown																																			
<b>FN0867</b>	-2.181	12.264	1.015e-4	1.38e-5	-1.510	13.119	1.533e-6	3.026e-7	-0.731	13.510	4.801e-5	3.853e-5	1.450	11.533	1.722e-3	5.555e-4	0.670	10.938	2.326e-2	5.917e-3	0.779	12.388	2.152e-4	2.424e-4												
	AAL95063.1   Long-chain-fatty-acid--CoA ligase																																			
<b>FN0868</b>					-0.117	6.117																														
	AAL95064.1   ATPases of the PP superfamily																																			
<b>FN0869</b>	-0.713	4.713			0.239	5.851			-1.027	4.197			-0.313	3.687			0.953	5.137			-1.266	4.824														
	AAL95065.1   Hydrolase (HAD superfamily)																																			
<b>FN0870</b>									0.817	6.040																										
	AAL95066.1   Rhodanese-related sulfurtransferases																																			
<b>FN0871</b>	0.193	7.807			-0.520	7.278	2.177e-2	1.125e-1	-0.535	6.875			-0.728	7.272			-0.713	7.471			-0.015	6.743														
	AAL95067.1   3-dehydroquinate synthase																																			
<b>FN0873</b>	1.534	10.390	7.542e-2	1.571e-1	1.275	10.316	2.23e-3	7.777e-3	-0.043	8.609	1.209e-1	6.963e-1	-1.577	10.347	7.887e-2	1.527e-1	-0.259	11.850	3.409e-1	6.754e-1	-1.318	10.273	3.073e-3	7.913e-3												
	AAL95069.1   Protease IV																																			

Show detected proteins only  
 Show all proteins

Filter by category:  
GO: amino acid transport

Proteins found: 1424

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

Dot Plots

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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios										
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6
<b>FN0874</b>																-1.230	5.874																		
	AAL95070.1   Phosphohydrolase (MUTT/NUDIX family protein)																																		
<b>FN0875</b>																									-0.449	5.481									
	AAL95071.1   23S rRNA methyltransferase																																		
<b>FN0878</b>	-0.755	8.025	4.545e-2	7.868e-2	0.183	9.147	5.429e-2	3.049e-1	0.358	8.934	1.732e-2	7.67e-2	1.112	8.383	1.551e-2	1.494e-2	0.937	8.392	6.663e-2	3.776e-2	0.175	9.505	2.076e-2	8.236e-2											
	AAL95074.1   Transcriptional regulator, GntR family																																		
<b>FN0884</b>																																			
	AAL95079.1   Hemin transport system permease protein hmuU																																		
<b>FN0885</b>																																			
	AAL95081.1   Hemin-binding periplasmic protein hmuT precursor																																		
<b>FN0886</b>										-2.221	5.391																								
	AAL95082.1   Hemin receptor																																		
<b>FN0887</b>	-1.252	11.062	2.731e-3	1.965e-3	-1.043	11.455	8.556e-6	4.576e-6	-0.665	11.445	1.368e-3	3.7e-3	0.587	10.397	3.454e-2	4.699e-2	0.209	10.204	2.359e-1	4.001e-1	0.378	10.791	1.65e-2	6.304e-2											
	AAL95083.1   Oligoendopeptidase F																																		
<b>FN0888</b>	-1.032	9.253	3.171e-3	2.428e-3					-0.277	9.804	4.042e-2	2.037e-1	0.754	8.976	3.335e-2	4.452e-2																			
	AAL95084.1   Uracil permease																																		
<b>FN0889</b>	1.569	8.230	9.02e-2	1.987e-1	-0.253	6.592												-1.822	8.162																
	AAL95085.1   hypothetical protein																																		
<b>FN0892</b>																																			
	AAL95088.1   Phosphoserine phosphatase																																		
<b>FN0893</b>	-1.479	7.093			-0.571	8.186			-0.745	7.623	5.864e-3	2.207e-2	0.733	6.348			0.908	6.707			-0.174	7.440													
	AAL95089.1   Hypothetical protein																																		
<b>FN0896</b>	-0.599	8.237	6.117e-2	1.193e-1	-1.044	7.977	1.496e-4	2.678e-4	-0.412	8.220	1.307e-2	5.572e-2	0.187	7.824	2.098e-1	6.365e-1	-0.444	7.378	2.198e-1	3.593e-1	0.631	7.565	1.248e-2	4.56e-2											
	AAL95092.1   Hypothetical protein																																		
<b>FN0898</b>																		0.373	5.202																
	AAL95094.1   Hypothetical protein																																		
<b>FN0900</b>	-0.025	5.001	2.996e-1	9.537e-1	1.716	6.927												1.742	6.902																
	AAL95096.1   Metal dependent hydrolase																																		
<b>FN0901</b>	0.456	5.883			1.053	6.665												0.597	7.121																
	AAL95097.1   DNA polymerase, bacteriophage-type																																		
<b>FN0902</b>																																			
	AAL95098.1   5-formyltetrahydrofolate cyclo-ligase																																		
<b>FN0903</b>	0.985	8.149	1.034e-2	1.181e-2	0.982	8.331	4.677e-4	1.124e-3	0.458	7.418	3.434e-3	1.158e-2	-0.527	8.607	2.865e-2	3.556e-2	-0.003	9.315	4.299e-1	9.845e-1	-0.524	8.788	7.871e-4	1.408e-3											
	AAL95099.1   Polysialic acid capsule expression protein kpsF																																		

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1424

Enter (or paste) list of ORFs

**Test**      **Cutoff**

q-Value      .005

p-Value

Dot Plots  
 Dot Plots

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

FnPg vs Fn ■      FnSg vs Fn ■  
 FnPgSg vs FnPg ■      FnPgSg vs FnPg ■  
 FnSg vs FnPg ■      FnPgSg vs FnSg ■

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios										
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6
<b>FN0904</b>	AAL95100.1   NAD(FAD)-utilizing dehydrogenases																																		
<b>FN0905</b>									-0.658	7.805	1.363e-4	1.691e-4																							
<b>FN0906</b>	AAL95101.1   Hypothetical protein																																		
<b>FN0906</b>	-0.153	9.234	8.966e-2	1.971e-1	0.421	9.992	3.309e-3	1.269e-2	-1.134	8.049	5.811e-4	1.208e-3	-0.981	8.100	3.369e-3	1.468e-3	0.573	9.839	1.33e-2	2.589e-3	-1.555	8.858	7.235e-5	5.64e-5											
<b>FN0908</b>	AAL95102.1   Glycerol-3-phosphate dehydrogenase [NAD(P)+]																																		
<b>FN0908</b>	-0.956	8.770			-1.015	8.896	5.304e-4	1.328e-3	-0.797	8.726	1.811e-3	5.357e-3	0.159	7.973			-0.058	7.940			0.218	8.099	9.648e-2	4.619e-1											
<b>FN0909</b>	AAL95104.1   Tpl protein																																		
<b>FN0909</b>	AAL95105.1   DNA repair protein radC																																		
<b>FN0910</b>	0.050	5.950			-0.352	5.732	9.654e-2	5.678e-1									-0.402	5.782																	
<b>FN0911</b>	AAL95106.1   Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase																																		
<b>FN0911</b>	-0.258	6.598			-0.764	6.276	1.296e-3	4.076e-3	-0.519	6.133			-0.261	6.079			-0.506	6.018			0.246	5.757													
<b>FN0912</b>	AAL95107.1   Alpha-ribazole-5'-phosphate phosphatase																																		
<b>FN0912</b>	AAL95108.1   Cobalamin [5'-phosphate] synthase																																		
<b>FN0913</b>	0.177	6.466			-0.237	6.237			-1.458	4.628			-1.635	5.009			-0.414	6.414			-1.221	4.779													
<b>FN0913</b>	AAL95109.1   Cobinamide kinase																																		
<b>FN0915</b>	0.563	10.087	1.446e-1	3.619e-1	1.056	10.765	3.335e-3	1.282e-2	0.092	9.413	1.574e-3	4.491e-3	-0.471	10.179	1.562e-1	4.232e-1	0.493	11.328	1.881e-1	2.829e-1	-0.964	10.857	5.083e-3	1.535e-2											
<b>FN0915</b>	AAL95111.1   PTS system, N-acetylglucosamine-specific IIA component																																		
<b>FN0916</b>	-0.426	14.600	6.671e-2	1.341e-1	-0.058	15.153	8.072e-2	4.666e-1	0.625	15.448	5.657e-3	2.116e-2	1.052	15.226	7.365e-3	4.589e-3	0.368	14.727	1.485e-1	1.858e-1	0.683	15.778	5.564e-3	1.721e-2											
<b>FN0916</b>	AAL95112.1   Hypothetical Exported Protein																																		
<b>FN0917</b>	-1.434	5.434			0.180	7.233	1.004e-1	5.928e-1	-1.390	5.275			0.044	4.044			1.614	5.799			-1.570	5.843													
<b>FN0917</b>	AAL95113.1   Hypothetical protein																																		
<b>FN0920</b>	0.123	6.521							-0.352	5.842			-0.475	6.169																					
<b>FN0920</b>	AAL95116.1   Protease HTPX																																		
<b>FN0921</b>	2.442	8.542			1.838	8.123	1.24e-4	2.07e-4	0.422	6.319	4.465e-2	2.278e-1	-2.019	8.964			-0.604	10.565			-1.416	8.545	2.97e-4	3.811e-4											
<b>FN0921</b>	AAL95117.1   Hypothetical protein																																		
<b>FN0922</b>	AAL95118.1   Homoserine kinase																																		
<b>FN0923</b>	AAL95119.1   Cardiolipin synthetase																																		
<b>FN0924</b>	AAL95120.1   Hypothetical protein																																		

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1424

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value .005

p-Value

Dot Plots

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

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0925</b>	-1.009	6.179			-0.349	7.023	7.453e-2	4.28e-1	-0.431	6.553	2.228e-2	1.019e-1	0.578	5.748			0.660	6.014			-0.082	6.592	1.654e-1	8.574e-1												
AAL95121.1   Hypothetical protein																																				
<b>FN0926</b>	2.552	8.283			2.328	8.244			0.381	5.908			-2.171	8.664	1.13e-4	1.085e-5	-0.223	10.796	1e-3	2.979e-5	-1.947	8.625	5.59e-5	4.037e-5												
AAL95122.1   GTP pyrophosphokinase																																				
<b>FN0928</b>	0.234	6.410			-0.189	6.172			-0.420	5.552			-0.654	5.990			-0.423	6.406			-0.231	5.752	1.363e-1	6.826e-1												
AAL95124.1   O-sialoglycoprotein endopeptidase																																				
<b>FN0929</b>													-1.182	7.271			0.453	9.091	2.564e-2	7.001e-3	-1.635	7.908														
AAL95125.1   ATP/GTP hydrolase																																				
<b>FN0930</b>	-1.586	6.895	6.277e-3	6.195e-3	-2.011	6.654											-0.425	5.068																		
AAL95126.1   Glycerol-3-phosphate cytidyltransferase																																				
<b>FN0932</b>	-0.282	8.096			-0.123	8.440	1.146e-1	6.879e-1	-1.612	6.563	8.808e-5	8.998e-5	-1.329	6.485			0.159	8.158			-1.489	6.828	1.288e-2	4.732e-2												
AAL95128.1   Hypothetical protein																																				
<b>FN0933</b>																																				
AAL95129.1   3-phosphoshikimate 1-carboxyvinyltransferase																																				
<b>FN0934</b>	1.256	7.529			1.772	8.230	2.848e-3	1.051e-2									0.517	9.486																		
AAL95130.1   Chorismate synthase																																				
<b>FN0938</b>																	-0.128	11.165																		
AAL95134.1   Hypothetical protein																																				
<b>FN0940</b>													-1.827	8.888			-1.050	9.850			-0.777	8.022	3.662e-3	9.905e-3												
AAL95136.1   Hypothetical protein																																				
<b>FN0941</b>	1.593	10.529	3.764e-3	3.06e-3	0.983	10.104	7.167e-3	3.159e-2	0.493	9.225	3.183e-3	1.059e-2	-1.101	11.022	6.863e-3	4.075e-3	-0.610	11.697	5.384e-2	2.631e-2	-0.490	10.596	2.751e-2	1.13e-1												
AAL95137.1   Gamma-glutamyltranspeptidase																																				
<b>FN0943</b>	1.943	8.232			1.376	7.849	8.893e-3	4.065e-2	-0.898	5.187	1.816e-4	2.518e-4	-2.841	7.334			-0.567	9.792			-2.274	6.951	6.423e-3	2.057e-2												
AAL95139.1   Sensory Transduction Protein Kinase																																				
<b>FN0944</b>																																				
AAL95140.1   Na <sup>+</sup> driven multidrug efflux pump																																				
<b>FN0947</b>	-0.292	12.982	1.46e-1	3.666e-1	-1.150	12.309	8.938e-4	2.6e-3	0.067	13.138	1.119e-1	6.376e-1	0.359	13.050	1.111e-1	2.599e-1	-0.858	12.017	1.148e-1	1.099e-1	1.217	12.376	2.641e-4	3.269e-4												
AAL95143.1   Hypothetical protein																																				
<b>FN0949</b>	-1.101	15.535	5.008e-2	8.975e-2	-2.512	14.308	4.18e-5	4.698e-5	-0.722	15.710	1.517e-4	1.958e-4	0.379	14.813	1.925e-1	5.644e-1	-1.411	13.207	1.839e-1	2.72e-1	1.790	13.586	6.204e-6	1.333e-6												
AAL95145.1   DNA helicase																																				
<b>FN0951</b>	-0.699	7.680	6.285e-2	1.24e-1	-1.474	7.089											-0.775	6.390																		
AAL95147.1   Precorrin-3B C17-methyltransferase																																				
<b>FN0952</b>																																				
AAL95148.1   Cobalamin biosynthesis protein G																																				

Show detected proteins only  
 Show all proteins  
 Filter by category:

Proteins found: 1424

Enter (or paste) list of ORFs

Find ORFs

Test Cutoff

q-Value p-Value

.005

Dot Plots

Dot Plots

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

FnPg vs Fn — █ — Fn vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg  
 FnPgSg vs FnSg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0957</b>	0.610	8.568	5.36e-2	9.857e-2	-0.807	7.335	1.344e-2	6.575e-2	0.546	8.300	2.589e-2	1.21e-1	-0.064	9.114	2.587e-1	8.367e-1	-1.418	7.945	3.972e-2	1.487e-2	1.354	7.881	5.589e-3	1.731e-2												
	AAL95153.1  Precorrin-4 C11-methyltransferase																																			
<b>FN0958</b>	0.088	9.464			-1.973	7.588											-2.061	7.676																		
	AAL95154.1  unknown																																			
<b>FN0959</b>	-1.417	8.838	6.722e-3	6.814e-3	-2.898	7.542			-1.205	8.846	2.769e-3	8.945e-3	0.212	7.633	2.124e-1	6.467e-1	-1.481	6.125			1.692	6.336														
	AAL95155.1  Precorrin-2 C20-methyltransferase																																			
<b>FN0961</b>	1.043	6.383	5.123e-2	9.257e-2	1.938	7.463											0.896	8.505																		
	AAL95157.1  Hypothetical protein																																			
<b>FN0962</b>	-0.529	10.719	3.717e-3	3.008e-3	-1.888	9.545	1.759e-5	1.358e-5	-1.249	9.795	3.758e-5	2.628e-5	-0.721	9.470	7.793e-3	5.072e-3	-1.359	9.016	5.476e-3	6.561e-4	0.638	8.295	9.328e-3	3.223e-2												
	AAL95158.1  Hypothetical cytosolic protein																																			
<b>FN0964</b>													0.098	5.465			0.321	5.873	2.515e-2	6.763e-3	-0.223	5.970														
	AAL95160.1  Precorrin-8W decarboxylase																																			
<b>FN0965</b>	0.981	10.948	4.022e-3	3.349e-3	0.869	11.020	6.598e-3	2.859e-2	0.503	10.266	2.95e-2	1.408e-1	-0.478	11.451	4.843e-2	7.579e-2	-0.112	12.001	3.106e-1	5.882e-1	-0.366	11.523	5.008e-2	2.233e-1												
	AAL95161.1  D-3-phosphoglycerate dehydrogenase																																			
<b>FN0966</b>																	0.645	3.999																		
	AAL95162.1  Precorrin-6Y C5,15-methyltransferase (decarboxylating)																																			
<b>FN0967</b>													-1.575	4.949			-0.769	5.939			-0.806	4.364														
	AAL95163.1  CbiD protein																																			
<b>FN0970</b>	-0.918	8.166			-1.208	8.061	2.347e-3	8.283e-3	-0.337	8.543	4.225e-3	1.49e-2	0.581	7.829			-0.290	7.143			0.871	7.724	8.098e-3	2.731e-2												
	AAL95166.1  Precorrin-8X methylmutase																																			
<b>FN0971</b>																																				
	AAL95167.1  hypothetical cytosolic protein																																			
<b>FN0972</b>																	0.608	8.205	2.417e-1	4.149e-1																
	AAL95168.1  Cobyrinic acid a,c-diamide synthase																																			
<b>FN0974</b>																																				
	AAL95170.1  Lactoylglutathione lyase																																			
<b>FN0976</b>	0.212	10.842	8.715e-3	9.619e-3	0.356	11.171	3.725e-2	2.029e-1	0.098	10.525	2.476e-2	1.149e-1	-0.113	10.941	1.466e-2	1.36e-2	0.144	11.383	2.891e-1	5.31e-1	-0.258	11.269	6.759e-2	3.121e-1												
	AAL95172.1  Hypothetical protein																																			
<b>FN0977</b>	0.466	7.027			1.904	8.650			0.906	7.263			0.440	7.934	1.22e-1	2.977e-1	1.438	9.116	2.056e-2	4.855e-3	-0.998	9.556	4.871e-3	1.453e-2												
	AAL95173.1  Cobyrinic acid synthase																																			
<b>FN0981</b>	-0.541	13.269	9.925e-2	2.25e-1	-1.046	12.949	1.416e-3	4.534e-3	0.225	13.832	1.476e-2	6.401e-2	0.767	13.495	5.68e-2	9.683e-2	-0.504	12.408	2.381e-1	4.061e-1	1.271	13.175	2.399e-4	2.832e-4												
	AAL95177.1  Phosphoribosylamine--glycine ligase																																			
<b>FN0982</b>	-0.982	15.812	3.046e-3	2.291e-3	-0.717	16.261	7.407e-5	1.079e-4	-0.629	15.961	6.087e-4	1.282e-3	0.353	15.183	5.256e-2	8.594e-2	0.265	15.280	1.408e-1	1.651e-1	0.088	15.633	8.976e-2	4.266e-1												
	AAL95178.1  Phosphoribosylaminoimidazolecarboxamide formyltransferase																																			

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Test Cutoff

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

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN0983</b> AAL95179.1   Hypothetical protein	-0.487	14.330	1.85e-2	2.448e-2	-0.131	14.870	3.37e-2	1.821e-1	-0.751	13.862	3.496e-5	2.26e-5	-0.264	13.579	9.395e-2	1.985e-1	0.355	14.383	8.978e-2	6.911e-2	-0.620	14.119	1.557e-3	3.386e-3												
<b>FN0984</b> AAL95180.1   Tetracenomycin polyketide synthesis O-methyltransferase tcmP	0.262	9.711	6.168e-2	1.208e-1	1.135	10.768	2.169e-6	5.104e-7	-1.455	7.790	2.059e-4	3.036e-4	-1.717	8.256	5.642e-3	3.003e-3	0.873	11.030	5.226e-3	6.098e-4	-2.590	9.313	3.545e-5	2.077e-5												
<b>FN0985</b> AAL95181.1   Phosphoribosylglycinamide formyltransferase	-0.225	6.225			0.877	7.512	3.077e-3	1.159e-2	0.822	7.069	5.329e-3	1.973e-2	1.047	7.047			1.102	7.287			-0.055	8.334	1.523e-1	7.774e-1												
<b>FN0986</b> AAL95182.1   Phosphoribosylformylglycinamide cyclo-ligase	0.244	14.606	2.176e-1	6.201e-1	0.475	15.021	3.343e-2	1.805e-1	0.300	14.458	9.588e-3	3.932e-2	0.056	14.906	2.727e-1	8.988e-1	0.231	15.265	3.259e-1	6.311e-1	-0.175	15.321	1.11e-1	5.399e-1												
<b>FN0987</b> AAL95183.1   Amidophosphoribosyltransferase	-0.757	13.564	8.981e-2	1.976e-1	0.022	14.528	1.348e-1	8.278e-1	-0.848	13.270	1.14e-3	2.853e-3	-0.090	12.716	2.716e-1	8.939e-1	0.779	13.771	1.482e-1	1.851e-1	-0.870	13.680	1.512e-4	1.5e-4												
<b>FN0988</b> AAL95184.1   Phosphoribosylamidoimidazole-succinocarboxamide synthase	-0.446	16.009	5.721e-2	1.081e-1	-0.386	16.254	1.078e-2	5.092e-2	0.276	16.528	9.733e-4	2.308e-3	0.723	16.285	2.183e-2	2.406e-2	0.060	15.807	3.888e-1	8.305e-1	0.662	16.530	2.478e-3	6.075e-3												
<b>FN0989</b> AAL95185.1   Phosphoribosylaminoimidazole carboxylase catalytic subunit	0.155	14.899	8.33e-2	1.794e-1	0.205	15.133	7.669e-2	4.414e-1	0.366	14.907	2.992e-3	9.854e-3	0.212	15.265	5.29e-2	8.682e-2	0.050	15.288	3.92e-1	8.416e-1	0.162	15.499	1.027e-1	4.95e-1												
<b>FN0990</b> AAL95186.1   Phosphoribosylformylglycinamide synthase	-0.490	20.379	9.099e-2	2.009e-1	0.344	21.397	1.098e-5	6.798e-6	-0.210	20.455	1.551e-3	4.408e-3	0.279	20.169	1.644e-1	4.532e-1	0.834	20.908	7.738e-2	5.039e-2	-0.554	21.187	4.339e-5	2.86e-5												
<b>FN0991</b> AAL95187.1   CDP-diacylglycerol--serine O-phosphatidyltransferase	0.655	8.967	1.629e-2	2.067e-2	0.565	9.062	8.382e-3	3.79e-2	0.894	9.003	2.917e-3	9.545e-3	0.239	9.861	2.17e-2	2.385e-2	-0.090	9.717	2.554e-1	4.478e-1	0.329	9.956	8.242e-3	2.788e-2												
<b>FN0992</b> AAL95188.1   ADP-heptose:LPS heptosyltransferase II	-1.170	9.310	1.187e-2	1.391e-2	-0.278	10.387	6.06e-3	2.585e-2	-0.556	9.721	1.545e-3	4.381e-3	0.614	8.754	6.609e-2	1.194e-1	0.892	9.216	6.184e-2	3.307e-2	-0.278	9.830	1.901e-2	7.43e-2												
<b>FN0994</b> AAL95190.1   Hypothetical protein	-0.521	13.603	1.042e-1	2.392e-1	-0.481	13.827	1.253e-2	6.059e-2	0.167	14.088	6.077e-4	1.279e-3	0.689	13.770	7.093e-2	1.315e-1	0.040	13.306	4.174e-1	9.355e-1	0.649	13.995	7.483e-3	2.481e-2												
<b>FN0997</b> AAL95193.1   Hypothetical protein	0.196	10.477	2.442e-1	7.205e-1	0.845	11.311	3.85e-3	1.54e-2	-0.204	9.873	5.1e-2	2.645e-1	-0.400	10.273	1.803e-1	5.145e-1	0.649	11.507	1.465e-1	1.803e-1	-1.049	11.106	2.015e-3	4.662e-3												
<b>FN0998</b> AAL95194.1   Dipeptide-binding protein	-0.464	14.207	8.798e-2	1.924e-1	0.938	15.794	2.681e-5	2.464e-5	-0.900	13.567	7.919e-4	1.777e-3	-0.437	13.307	1.323e-1	3.367e-1	1.402	15.330	2.05e-2	4.831e-3	-1.839	14.893	1.011e-5	2.998e-6												
<b>FN0999</b> AAL95195.1   Deblocking aminopeptidase	1.169	10.601	1.08e-1	2.5e-1	0.532	10.149	6.355e-3	2.734e-2	-1.794	7.434	1.731e-3	5.06e-3	-2.963	8.807	6.27e-2	1.112e-1	-0.636	11.318	2.471e-1	4.279e-1	-2.326	8.355	1.002e-5	2.944e-6												
<b>FN1000</b> AAL95196.1   Biotin synthase	-1.723	10.632							-0.673	11.477	3.788e-4	6.974e-4	1.050	9.958																						
<b>FN1001</b> AAL95197.1   Dethiobiotin synthetase	0.363	10.024	1.78e-1	4.78e-1	0.526	10.371	7.727e-4	2.185e-3	-0.383	9.074	1.276e-2	5.425e-2	-0.746	9.641	1.053e-1	2.39e-1	0.163	10.734	3.475e-1	6.953e-1	-0.909	9.988	4.845e-4	7.161e-4												
<b>FN1002</b> AAL95198.1   Adenosylmethionine-8-amino-7-oxononanoate aminotransferase	0.038	12.127	2.916e-1	9.176e-1	-1.433	10.841	7.26e-5	1.046e-4	-0.790	11.096	8.906e-4	2.059e-3	-0.828	11.337	7.835e-2	1.513e-1	-1.471	10.879	8.808e-2	6.632e-2	0.643	10.051	1.64e-3	3.618e-3												

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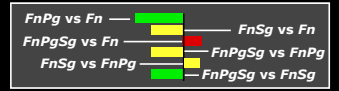
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q-Value .005

p-Value

Dot Plots

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1003</b>	2.452	12.779	1.031e-1	2.361e-1	<b>1.665</b>	12.176	3.113e-4	6.751e-4	0.334	10.456	1.132e-2	4.74e-2	-2.119	13.112	1.106e-1	2.583e-1	-0.787	14.629	2.781e-1	5.028e-1	<b>-1.332</b>	12.510	3.394e-4	4.533e-4												
	AAL95199.1  Outer membrane protein P1 precursor																																			
<b>FN1004</b>	-0.043	8.170	2.818e-1	8.748e-1	0.192	8.589	1.141e-1	6.845e-1	-0.465	7.544	4.058e-2	2.047e-1	-0.423	7.705	1.482e-2	1.385e-2	0.234	8.546	3.101e-1	5.867e-1	-0.657	8.123	5.251e-2	2.356e-1												
	AAL95200.1  Transcriptional regulator, TetR family																																			
<b>FN1005</b>	-1.383	11.558			<b>-0.969</b>	12.157	4.793e-4	1.161e-3	<b>-1.648</b>	11.090	2.823e-5	1.529e-5	-0.264	9.910			0.414	10.773			-0.678	10.509	1.288e-2	4.73e-2												
	AAL95201.1  Hypothetical protein																																			
<b>FN1006</b>																	-0.900	8.070																		
	AAL95202.1  Acetyltransferase																																			
<b>FN1008</b>																																				
	AAL95204.1  Hypothetical protein																																			
<b>FN1009</b>																																				
	AAL95205.1  Hypothetical protein																																			
<b>FN1010</b>	0.010	14.731	3.047e-1	9.77e-1	<b>-0.758</b>	14.147	2.453e-4	4.93e-4	0.075	14.592	3.787e-2	1.888e-1	0.065	14.806	2.626e-1	8.539e-1	-0.769	14.158	1.418e-1	1.676e-1	<b>0.833</b>	14.222	6.179e-4	1.013e-3												
	AAL95206.1  Hypothetical cytosolic protein																																			
<b>FN1011</b>	-0.119	7.081	2.358e-1	6.877e-1	-0.124	7.260	1.113e-1	6.653e-1	-1.140	5.855			-1.022	5.940			-0.006	7.141	4.221e-1	9.536e-1	-1.016	6.119														
	AAL95207.1  MGPA protein																																			
<b>FN1012</b>	0.540	9.286	1.597e-2	2.014e-2	<b>0.830</b>	9.761	3.931e-3	1.577e-2	<b>-0.881</b>	7.661	8.138e-4	1.838e-3	<b>-1.421</b>	8.405	4.169e-3	1.973e-3	0.290	10.301	1.471e-1	1.82e-1	<b>-1.711</b>	8.880	1.899e-3	4.333e-3												
	AAL95208.1  HPR(Ser) kinase																																			
<b>FN1014</b>	-0.074	8.992			0.418	9.669	4.723e-2	2.622e-1	<b>-1.798</b>	7.064	2.864e-3	9.327e-3	-1.725	7.194			0.492	9.595			-2.216	7.871	6.417e-3	2.054e-2												
	AAL95210.1  Folypolyglutamate synthase																																			
<b>FN1015</b>	0.151	9.565			-1.189	8.409	6.532e-3	2.825e-2	-0.513	8.696	2.865e-2	1.361e-1	-0.665	9.051			-1.341	8.560			0.676	7.895	7.405e-3	2.448e-2												
	AAL95211.1  5'-methylthioadenosine nucleosidase																																			
<b>FN1016</b>	-0.913	8.474	4.779e-2	8.424e-2	0.269	9.840	1.155e-2	5.513e-2	<b>-1.958</b>	7.224	1.7e-7	8.462e-9	-1.045	6.515	1.04e-1	2.341e-1	1.182	8.927	5.703e-2	2.886e-2	<b>-2.227</b>	7.881	4.995e-4	7.466e-4												
	AAL95212.1  Lipid A biosynthesis lauroyl acyltransferase																																			
<b>FN1017</b>	-0.810	13.336	2.757e-2	4.055e-2	<b>-0.888</b>	13.443	3.443e-4	7.683e-4	<b>-0.389</b>	13.554	1.469e-3	4.093e-3	0.421	12.947	1.035e-1	2.322e-1	-0.078	12.632	3.919e-1	8.413e-1	0.499	13.054	7.066e-3	2.31e-2												
	AAL95213.1  Hypothetical Exported Protein																																			
<b>FN1019</b>	<b>1.988</b>	22.716	7.01e-4	2.607e-4	<b>1.342</b>	22.254	4.353e-5	4.996e-5	<b>1.629</b>	22.153	4.008e-4	7.532e-4	-0.359	24.345	8.252e-3	5.639e-3	-0.646	24.242	7.914e-3	1.238e-3	0.287	23.883	8.102e-3	2.732e-2												
	AAL95215.1  3-hydroxybutyryl-CoA dehydrogenase																																			
<b>FN1020</b>	<b>1.393</b>	17.148	8.937e-5	1.135e-5	1.016	16.956	7.01e-3	3.075e-2	<b>0.845</b>	16.396	4.69e-3	1.689e-2	-0.548	17.993	1.455e-2	1.343e-2	-0.377	18.349	1.128e-1	1.064e-1	-0.171	17.801	1.036e-1	5.001e-1												
	AAL95216.1  3-hydroxybutyryl-CoA dehydratase																																			
<b>FN1022</b>									-1.792	9.007	6.154e-3	2.337e-2																								
	AAL95218.1  Calcium-transporting ATPase																																			
<b>FN1023</b>													-1.178	6.997			0.351	8.711			-1.530	7.533														
	AAL95219.1  5-Nitroimidazole antibiotic resistance protein																																			

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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

*FnPg vs Fn* — ■ — *FnSg vs Fn*  
*FnPgSg vs Fn* — ■ — *FnPgSg vs FnPg*  
*FnSg vs FnPg* — ■ — *FnPgSg vs FnSg*  
■ — *FnPgSg vs FnSg*



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1024</b>	-0.259	20.496	5.749e-2	1.089e-1	-0.340	20.600	1.236e-2	5.962e-2	-0.164	20.387	8.373e-2	4.604e-1	0.096	20.332	2.291e-1	7.125e-1	-0.080	20.340	3.402e-1	6.731e-1	0.176	20.436	1.063e-1	5.144e-1												
	AAL95220.1   DNA-binding protein HU																																			
<b>FN1025</b>	0.257	8.083			-0.683	7.327			0.114	7.736	6.586e-2	3.515e-1	-0.143	8.197			-0.940	7.584			0.797	7.441														
	AAL95221.1   Guanine-hypoxanthine permease																																			
<b>FN1026</b>					-1.144	6.314																														
	AAL95222.1   tRNA pseudouridine synthase A																																			
<b>FN1028</b>	-0.690	10.293	4.263e-2	7.194e-2	-0.896	10.271	8.173e-3	3.679e-2	-0.275	10.505	5.765e-2	3.036e-1	0.415	10.018	9.453e-4	2.2e-4	-0.206	9.581	2.31e-1	3.874e-1	0.622	9.997	9.951e-3	3.482e-2												
	AAL95224.1   Deoxyridine 5'-triphosphate nucleotidohydrolase																																			
<b>FN1029</b>	-0.677	13.217	6.642e-4	2.383e-4	-1.376	12.703	1.812e-5	1.419e-5	-0.888	12.803	6.058e-4	1.274e-3	-0.211	12.329	9.931e-2	2.169e-1	-0.699	12.026	5.539e-4	7.104e-6	0.488	11.815	1.641e-2	6.267e-2												
	AAL95225.1   Zinc protease																																			
<b>FN1030</b>	2.719	6.451			2.408	6.323			1.236	4.764			-1.483	7.687			-0.312	9.043			-1.171	7.560														
	AAL95226.1   Hypothetical membrane-spanning protein																																			
<b>FN1031</b>	0.330	6.840			0.112	6.807			-1.211	5.096			-1.541	5.629			-0.218	7.137			-1.323	5.596														
	AAL95227.1   Hypothetical membrane-spanning protein																																			
<b>FN1033</b>	-0.493	12.379	2.38e-2	3.371e-2	-0.763	12.293	2.02e-3	6.894e-3	-1.756	10.912	9.872e-4	2.351e-3	-1.263	10.623	3.927e-5	1.921e-6	-0.270	11.800	1.251e-1	1.298e-1	-0.993	10.538	4.381e-3	1.262e-2												
	AAL95229.1   Methyltransferase																																			
<b>FN1034</b>																					-1.092	5.480														
	AAL95230.1   Transcriptional regulator, TetR family																																			
<b>FN1035</b>																																				
	AAL95231.1   Iron-sulfur flavoprotein																																			
<b>FN1036</b>																																				
	AAL95232.1   Hypothetical protein																																			
<b>FN1037</b>													-2.220	5.594			0.102	8.100			-2.322	5.880														
	AAL95233.1   Hypothetical cytosolic protein																																			
<b>FN1041</b>													-0.327	6.701	1.623e-1	4.455e-1	0.452	7.665	1.624e-1	2.198e-1	-0.779	7.337	4.189e-3	1.186e-2												
	AAL95237.1   Acetyltransferase																																			
<b>FN1042</b>	-2.915	10.932	2.608e-4	5.805e-5	-2.845	11.186	1.938e-5	1.574e-5	-2.360	11.283	1.743e-4	2.372e-4	0.555	8.572	1.808e-2	1.847e-2	0.070	8.271	3.84e-1	8.14e-1	0.485	8.826	2.127e-2	8.474e-2												
	AAL95238.1   S1 RNA binding domain																																			
<b>FN1045</b>																																				
	AAL95241.1   Hypothetical protein																																			
<b>FN1048</b>																					-0.186	3.744														
	AAL95244.1   Hypothetical membrane-spanning protein																																			
<b>FN1050</b>	0.963	7.139																																		
	AAL95246.1   Lactoylglutathione lyase																																			

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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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios									
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4
<b>FN1053</b>	AAL95249.1   Hypothetical protein																																	
<b>FN1055</b>	0.210	11.779	1.959e-1	5.433e-1	0.291	12.045	8.966e-3	4.105e-2	-0.421	10.944	7.886e-3	3.12e-2	-0.631	11.357	8.252e-2	1.631e-1	0.082	12.254	3.757e-1	7.855e-1	-0.712	11.624	6.778e-4	1.149e-3										
	AAL95251.1   Cysteine synthase																																	
<b>FN1057</b>					0.533	6.990	7.972e-2	4.603e-1																										
	AAL95253.1   Diamine acetyltransferase																																	
<b>FN1060</b>	0.259	9.702	2.678e-2	3.909e-2	0.612	10.239	1.057e-3	3.183e-3	-0.041	9.198	1.263e-1	7.317e-1	-0.300	9.661	1.346e-2	1.186e-2	0.353	10.498	1.031e-2	1.79e-3	-0.653	10.198	8.286e-4	1.513e-3										
	AAL95256.1   hypothetical cytosolic protein																																	
<b>FN1062</b>	-0.585	12.657	2.795e-2	4.127e-2	-1.435	11.992	5.281e-4	1.32e-3	0.379	13.417	1.426e-3	3.923e-3	0.964	13.036	6.708e-3	3.924e-3	-0.849	11.407	7.556e-2	4.801e-2	1.814	12.371	3.726e-5	2.245e-5										
	AAL95258.1   Hydrolase																																	
<b>FN1063</b>	1.195	8.197	1.172e-1	2.768e-1	1.285	8.472	8.544e-3	3.876e-2	-1.399	5.399			-2.594	6.798			0.090	9.667	4.069e-1	8.958e-1	-2.684	7.073												
	AAL95259.1   N-acyl-L-amino acid amidohydrolase																																	
<b>FN1066</b>	-0.017	6.272	3.01e-1	9.601e-1	0.902	7.375	1.146e-5	7.309e-6	0.018	6.103	1.388e-1	8.16e-1	0.035	6.290	2.769e-1	9.179e-1	0.919	7.358	5.128e-2	2.383e-2	-0.884	7.393	2.037e-5	9.641e-6										
	AAL95262.1   Exodeoxyribonuclease VII large subunit																																	
<b>FN1067</b>	-1.650	11.075	8.144e-4	3.35e-4	-0.182	12.727	3.395e-2	1.836e-1	-1.263	11.258	4.003e-4	7.519e-4	0.386	9.812	1.109e-1	2.592e-1	1.468	11.077	6.324e-3	8.334e-4	-1.081	11.464	3.276e-4	4.341e-4										
	AAL95263.1   Tetratricopeptide repeat family protein																																	
<b>FN1068</b>																	0.658	7.502	1.579e-1	2.093e-1														
	AAL95264.1   Smf protein																																	
<b>FN1069</b>	-0.652	12.442	4.102e-4	1.116e-4	-1.288	11.991	5.692e-4	1.452e-3	-0.952	11.939	2.083e-4	3.089e-4	-0.299	11.491	1.064e-2	8.34e-3	-0.636	11.338	7.169e-2	4.331e-2	0.337	11.039	5.03e-2	2.244e-1										
	AAL95265.1   DNA topoisomerase I																																	
<b>FN1070</b>	-1.251	7.591			-1.303	7.724	9.517e-4	2.805e-3	-0.598	8.041	3.333e-3	1.118e-2	0.653	6.993			-0.052	6.472			0.705	7.125	9.987e-3	3.497e-2										
	AAL95266.1   Glucose inhibited division protein A																																	
<b>FN1071</b>					-0.484	4.484			0.295	4.875													0.779	4.779										
	AAL95267.1   Integrase/recombinase																																	
<b>FN1072</b>	-0.740	11.295	5.045e-3	4.61e-3	-1.506	10.713	3.42e-4	7.616e-4	-1.230	10.601	5.007e-5	4.1e-5	-0.490	10.065	5.198e-2	8.445e-2	-0.766	9.973	7.671e-2	4.95e-2	0.276	9.483	8.59e-2	4.065e-1										
	AAL95268.1   GTP-binding protein																																	
<b>FN1073</b>	-1.142	6.312			-0.586	7.052	3.602e-3	1.414e-2	-1.682	5.567			-0.541	4.629			0.556	5.911			-1.097	5.370												
	AAL95269.1   Hypothetical protein																																	
<b>FN1074</b>	-0.644	9.742	1.966e-2	2.653e-2	-0.271	10.300	1.087e-2	5.138e-2	-0.890	9.292	1.448e-3	4.01e-3	-0.246	8.852	1.45e-1	3.834e-1	0.373	9.655	1.244e-1	1.284e-1	-0.619	9.409	3.889e-3	1.073e-2										
	AAL95270.1   Signal recognition particle receptor FtsY																																	
<b>FN1075</b>	AAL95271.1   Hypothetical protein																																	
<b>FN1077</b>	2.041	8.217			0.234	6.594			2.394	8.366			0.353	10.611			-1.808	8.636			2.160	8.988	2.331e-4	2.717e-4										
	AAL95273.1   Hypothetical protein																																	

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Proteins found: 1424

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

FnPgSg vs FnPg

FnSg vs FnPg

FnSg vs Fn

FnPgSg vs FnSg

FnPg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios									
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4
<b>FN1078</b>	0.316	15.414	5.335e-2	9.794e-2	-0.089	15.193	5.043e-2	2.817e-1	-0.160	14.734	5.6e-2	2.94e-1	-0.476	15.254	3.081e-2	3.954e-2	-0.405	15.509	8.587e-2	6.27e-2	-0.071	15.034	1.212e-1	5.969e-1										
	AAL95274.1   Hypothetical exported 24-amino acid repeat protein																																	
<b>FN1079</b>	0.523	18.003	1.197e-1	2.843e-1	<b>0.970</b>	18.635	7.349e-4	2.037e-3	<b>0.561</b>	17.838	1.771e-3	5.207e-3	0.039	18.565	2.765e-1	9.161e-1	0.447	19.158	1.624e-1	2.199e-1	<b>-0.408</b>	19.196	3.785e-3	1.035e-2										
	AAL95275.1   Neutrophil-activating protein A																																	
<b>FN1080</b>	<b>-0.972</b>	4.632	3.24e-3	2.504e-3	0.710	6.498	5.753e-3	2.432e-2	-0.224	5.175	3.174e-2	1.536e-1	<b>0.748</b>	4.408	3.152e-3	1.322e-3	1.682	5.526	2.047e-2	4.82e-3	-0.934	6.274	5.287e-3	1.613e-2										
	AAL95276.1   Export ABC transporter																																	
<b>FN1081</b>	-0.113	10.309							<b>-0.891</b>	9.327	1.83e-3	5.426e-3	-0.778	9.418																				
	AAL95277.1   unknown																																	
<b>FN1082</b>																																		
	AAL95278.1   unknown																																	
<b>FN1084</b>	<b>-1.661</b>	11.727	1.27e-3	6.878e-4	<b>-2.644</b>	10.928	5.242e-4	1.307e-3	-0.039	13.144	1.443e-1	8.537e-1	1.622	11.687	7.835e-3	5.122e-3	-0.983	9.267	8.285e-2	5.811e-2	<b>2.604</b>	10.889	2.093e-3	4.89e-3										
	AAL95280.1   unknown																																	
<b>FN1085</b>	<b>1.380</b>	12.544	3.034e-3	2.278e-3	<b>1.003</b>	12.351	6.321e-4	1.663e-3	0.163	11.123	7.055e-2	3.794e-1	<b>-1.217</b>	12.707	1.667e-3	5.287e-4	-0.378	13.731	5.469e-2	2.697e-2	<b>-0.840</b>	12.514	7.008e-4	1.201e-3										
	AAL95281.1   4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme																																	
<b>FN1086</b>	-0.345	5.960			1.114	7.603	7.851e-3	3.51e-2	0.388	6.489	5.178e-2	2.69e-1	0.733	6.348			1.459	7.258			-0.726	7.992	2.121e-2	8.449e-2										
	AAL95282.1   Transporter																																	
<b>FN1088</b>	-0.324	9.206	8.026e-2	1.707e-1	<b>0.353</b>	10.067	7.738e-4	2.19e-3	<b>0.379</b>	9.704	3.74e-3	1.283e-2	0.703	9.585	1.4e-2	1.262e-2	0.677	9.744	4.406e-2	1.794e-2	0.025	10.446	1.533e-1	7.834e-1										
	AAL95284.1   NADH oxidase																																	
<b>FN1089</b>	2.082	12.161	1.92e-2	2.572e-2	<b>2.829</b>	13.093	6.809e-4	1.836e-3	-0.071	9.804	1.148e-1	6.566e-1	-2.153	12.090	2.185e-2	2.41e-2	0.747	15.175	5.694e-2	2.879e-2	<b>-2.901</b>	13.022	8.523e-4	1.576e-3										
	AAL95285.1   ATP-binding protein (contains P-loop)																																	
<b>FN1091</b>	<b>-1.787</b>	7.371	8.297e-4	3.461e-4	<b>-0.843</b>	8.500	2.384e-3	8.445e-3	<b>-0.748</b>	8.207	3.136e-4	5.364e-4	1.040	6.623	9.028e-3	6.443e-3	0.944	6.713	7.9e-2	5.261e-2	0.095	7.752	1.414e-1	7.125e-1										
	AAL95287.1   Sigma factor sigB regulation protein rsbU																																	
<b>FN1092</b>	0.197	10.888	2.661e-1	8.086e-1	<b>0.908</b>	11.784	1.32e-3	4.169e-3	-0.497	9.991	4.951e-2	2.558e-1	-0.693	10.392	1.753e-1	4.947e-1	0.711	11.981	1.841e-1	2.727e-1	<b>-1.405</b>	11.288	3.51e-3	9.371e-3										
	AAL95288.1   Hypothetical protein																																	
<b>FN1093</b>	<b>-1.444</b>	11.607	7.89e-4	3.171e-4	<b>-1.931</b>	11.305	1.177e-4	1.931e-4	<b>-0.599</b>	12.248	8.443e-6	2.533e-6	0.845	11.009	6.844e-3	4.056e-3	-0.487	9.861	1.025e-1	8.896e-2	<b>1.332</b>	10.706	8.764e-4	1.633e-3										
	AAL95289.1   Hypothetical protein																																	
<b>FN1094</b>																	-0.782	9.491																
	AAL95290.1   Dolichol-phosphate mannosyltransferase																																	
<b>FN1095</b>																																		
	AAL95291.1   unknown																																	
<b>FN1096</b>	-0.169	10.967	2.421e-1	7.121e-1	<b>-0.910</b>	10.411	7.755e-4	2.196e-3	-0.245	10.688	7.222e-2	3.895e-1	-0.076	10.723	2.707e-1	8.896e-1	-0.741	10.242	1.873e-1	2.807e-1	0.666	10.166	3.181e-2	1.332e-1										
	AAL95292.1   Hypothetical protein																																	
<b>FN1097</b>	-1.064	11.373			-3.311	9.311			<b>-2.213</b>	10.020	2.738e-3	8.822e-3	-1.149	9.161			-2.247	8.247			1.098	7.098												
	AAL95293.1   Hypothetical protein																																	

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Signif	Direction	Applies To
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FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1101</b>					0.305	5.695			-0.916	4.086															-1.221	4.779										
	AAL95297.1   ATPase																																			
<b>FN1102</b>					-2.018	8.662																														
	AAL95298.1   tRNA 2'phosphotransferase																																			
<b>FN1103</b>	-1.735	11.758	2.231e-4	4.514e-5	-0.839	12.838	1.675e-4	3.098e-4	-2.179	11.110	1.714e-5	7.156e-6	-0.444	9.579	6.127e-2	1.078e-1	0.896	11.103	2.65e-2	7.402e-3	-1.340	10.659	5.227e-4	7.95e-4												
	AAL95299.1   Excinuclease ABC subunit A																																			
<b>FN1104</b>																																				
	AAL95300.1   Holliday junction DNA helicase ruvA																																			
<b>FN1105</b>	-0.290	13.052	1.489e-1	3.76e-1	-1.252	12.275	5.963e-4	1.541e-3	-0.344	12.794	7.461e-3	2.925e-2	-0.054	12.708	2.666e-1	8.714e-1	-0.962	11.985	1.112e-1	1.035e-1	0.907	11.931	7.415e-7	8.423e-8												
	AAL95301.1   Hypothetical protein																																			
<b>FN1106</b>	-0.657	12.631	1.085e-3	5.357e-4	-0.775	12.697	3.518e-4	7.885e-4	-1.220	11.864	3.345e-4	5.862e-4	-0.563	11.411	1.249e-2	1.057e-2	-0.118	12.041	2.593e-1	4.571e-1	-0.445	11.477	1.421e-2	5.298e-2												
	AAL95302.1   L-serine dehydratase																																			
<b>FN1111</b>					0.485	7.453			-0.122	6.457											-0.607	7.330	2.488e-3	6.108e-3												
	AAL95307.1   Dipeptide-binding protein																																			
<b>FN1117</b>	-0.613	10.930	8.015e-1	1.704e-1	-1.871	9.855	8.249e-4	2.362e-3	0.673	12.012	2.563e-3	8.139e-3	1.286	11.603	1.516e-2	1.439e-2	-1.259	9.243	1.266e-1	1.329e-1	2.544	10.529	1.757e-5	7.374e-6												
	AAL95313.1   LSU ribosomal protein L21P																																			
<b>FN1119</b>	-0.859	13.803	3.573e-2	5.682e-2	-2.497	12.350	1.089e-5	6.706e-6	0.519	14.977	6.182e-4	1.308e-3	1.378	14.322	9.072e-3	6.491e-3	-1.638	11.491	1.031e-1	8.995e-2	3.015	12.869	2.552e-5	1.297e-5												
	AAL95315.1   LSU ribosomal protein L27P																																			
<b>FN1120</b>	0.799	15.297	6.978e-3	7.186e-3	0.750	15.433	8.342e-4	2.394e-3	-0.154	14.141	5.19e-2	2.697e-1	-0.953	15.144	1.162e-2	9.5e-3	-0.049	16.232	3.515e-1	7.078e-1	-0.904	15.279	1.126e-5	3.526e-6												
	AAL95316.1   Phosphoenolpyruvate carboxykinase (ATP)																																			
<b>FN1121</b>	-0.372	12.103	4.579e-2	7.952e-2	-0.163	12.497	2.032e-2	1.042e-1	0.155	12.426	3.124e-2	1.507e-1	0.527	12.258	2.112e-2	2.294e-2	0.209	12.124	1.857e-1	2.765e-1	0.318	12.651	5.013e-3	1.509e-2												
	AAL95317.1   hypothetical cytosolic protein																																			
<b>FN1122</b>	-2.018	13.763	2.365e-3	1.621e-3	-1.834	14.132	2.495e-4	5.036e-4	-0.692	14.885	3.039e-3	1.003e-2	1.326	13.071	2.949e-4	4.086e-5	0.184	12.114	2.358e-1	3.999e-1	1.142	13.439	4.401e-4	6.299e-4												
	AAL95318.1   Long-chain-fatty-acid--CoA ligase																																			
<b>FN1123</b>	-2.046	7.413	5.593e-5	5.847e-6	-1.550	8.094	1.478e-3	4.775e-3	0.332	9.587	7.741e-2	4.211e-1	2.377	7.745	2.844e-2	3.518e-2	0.496	6.048	2.256e-1	3.737e-1	1.882	8.425	1.103e-2	3.946e-2												
	AAL95319.1   Thioredoxin-like protein																																			
<b>FN1124</b>	-1.027	16.457	1.293e-3	7.057e-4	-0.264	17.404	3.451e-5	3.499e-5	-0.247	17.032	5.061e-3	1.852e-2	0.779	16.209	1.569e-3	4.833e-4	0.763	16.378	1.047e-2	1.829e-3	0.016	17.157	1.577e-1	8.097e-1												
	AAL95320.1   Outer membrane porin F																																			
<b>FN1125</b>	0.845	11.386	1.311e-1	3.194e-1	1.202	11.928	1.85e-3	6.205e-3	0.472	10.810	1.275e-3	3.34e-3	-0.372	11.858	1.974e-1	5.849e-1	0.357	12.772	2.829e-1	5.15e-1	-0.730	12.400	5.505e-3	1.698e-2												
	AAL95321.1   LemA protein																																			
<b>FN1127</b>	1.087	11.860	2.91e-2	4.344e-2	0.590	11.548	8.464e-4	2.436e-3	-0.015	10.554	1.511e-1	9.013e-1	-1.102	11.845	3.37e-2	4.523e-2	-0.497	12.635	1.423e-1	1.688e-1	-0.605	11.533	1.751e-4	1.824e-4												
	AAL95323.1   Hypothetical membrane-spanning protein																																			
<b>FN1128</b>	0.334	16.075	1.092e-1	2.535e-1	-0.399	15.526	2.826e-4	5.924e-4	-0.418	15.119	4.669e-4	9.141e-4	-0.752	15.657	4.541e-2	6.888e-2	-0.734	15.860	9.162e-2	7.223e-2	-0.018	15.108	1.414e-1	7.122e-1												
	AAL95324.1   Acylamino-acid-releasing enzyme																																			

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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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1129</b>	-1.843	7.013			-1.502	7.539	2.65e-4	5.444e-4	-1.290	7.362	1.808e-4	2.501e-4	0.553	5.723			0.341	5.696			0.212	6.249	1.142e-1	5.575e-1												
	AAL95325.1   Chromosome partition protein smc																																			
<b>FN1130</b>	-1.596	6.239			-0.550	7.469			-0.816	6.816			0.780	5.424			1.045	5.874			-0.265	6.654														
	AAL95326.1   Tetraacyldisaccharide 4'-kinase																																			
<b>FN1131</b>	0.502	6.899			-0.484	6.098			-1.512	4.682			-2.014	5.387			-0.985	6.600			-1.028	4.586														
	AAL95327.1   Hypothetical protein																																			
<b>FN1133</b>	0.535	10.186	1.525e-1	3.881e-1	0.040	9.875	1.23e-1	7.452e-1	0.110	9.557	7.076e-2	3.807e-1	-0.425	10.296	1.69e-1	4.706e-1	-0.495	10.411	2.427e-1	4.173e-1	0.070	9.985	1.316e-1	6.553e-1												
	AAL95329.1   N-acetylglucosamine-6-phosphate deacetylase																																			
<b>FN1134</b>	-0.750	10.293	1.882e-2	2.506e-2	-2.614	8.614			-0.962	9.877	3.515e-4	6.284e-4	-0.212	9.331	1.827e-1	5.238e-1	-1.864	7.864			1.652	7.652														
	AAL95330.1   Hypothetical cytosolic protein																																			
<b>FN1135</b>	0.232	15.087	2.28e-1	6.583e-1	-0.530	14.510	1.273e-3	3.987e-3	-0.346	14.305	2.104e-4	3.139e-4	-0.578	14.741	1.373e-1	3.561e-1	-0.761	14.742	1.829e-1	2.695e-1	0.184	14.164	2.162e-2	8.642e-2												
	AAL95331.1   Phosphonates-binding protein																																			
<b>FN1136</b>	1.345	7.825			1.407	8.072	9.993e-4	2.976e-3	0.355	6.632	3.615e-5	2.421e-5	-0.989	8.181			0.062	9.417			-1.052	8.428	2.163e-3	5.096e-3												
	AAL95332.1   Phosphonates transport ATP-binding protein phnC																																			
<b>FN1137</b>																																				
	AAL95333.1   Phosphonates transport system permease protein phnE																																			
<b>FN1138</b>	-0.268	18.871	1.05e-1	2.414e-1	-0.681	18.642	6.319e-3	2.716e-2	0.417	19.352	2.834e-2	1.343e-1	0.684	19.288	3.659e-2	5.085e-2	-0.414	18.374	1.623e-1	2.196e-1	1.098	19.059	4.851e-3	1.445e-2												
	AAL95334.1   Hypothetical cytosolic protein																																			
<b>FN1139</b>	0.086	12.492	2.847e-1	8.874e-1	1.010	13.601	1.441e-3	4.628e-3	-2.980	9.223	1e-6	1.261e-7	-3.066	9.513	5.823e-2	1.003e-1	0.924	13.686	1.044e-1	9.191e-2	-3.989	10.621	4.891e-4	7.255e-4												
	AAL95335.1   Activator of (R)-2-hydroxyglutaryl-CoA dehydratase																																			
<b>FN1140</b>	1.396	7.892			1.120	7.800	2.05e-2	1.052e-1									-0.276	9.196																		
	AAL95336.1   hypothetical protein																																			
<b>FN1142</b>	-1.475	6.119			-1.166	6.612	3.314e-4	7.316e-4	-2.110	5.280			-0.635	4.009			0.309	5.137			-0.944	4.502														
	AAL95338.1   Oxygen-independent coproporphyrinogen III oxidase																																			
<b>FN1143</b>	0.301	13.417	2.046e-1	5.737e-1	1.365	14.666	4.372e-3	1.777e-2	0.012	12.924	1.573e-1	9.45e-1	-0.289	13.429	1.993e-1	5.93e-1	1.064	14.967	6.498e-2	3.608e-2	-1.354	14.678	4.952e-3	1.485e-2												
	AAL95339.1   Glucosamine-6-phosphate isomerase																																			
<b>FN1144</b>	-2.024	13.841	1.351e-3	7.472e-4	-1.023	15.026	1.15e-5	7.354e-6	-0.252	15.409	1.186e-3	3.015e-3	1.772	13.589	4.621e-3	2.264e-3	1.001	13.002	6.259e-2	3.377e-2	0.771	14.774	6.158e-5	4.586e-5												
	AAL95340.1   Hypothetical Exported Protein																																			
<b>FN1145</b>	-0.160	8.872	2.423e-1	7.13e-1	-0.261	8.956	8.845e-2	5.156e-1	-0.030	8.799	1.475e-1	8.757e-1	0.131	8.843	2.379e-1	7.483e-1	-0.101	8.796	3.956e-1	8.544e-1	0.231	8.926	1.092e-1	5.303e-1												
	AAL95341.1   Oligoendopeptidase F																																			
<b>FN1146</b>	-1.752	7.831							-0.320	9.059	1.974e-2	8.9e-2	1.432	7.511																						
	AAL95342.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN1147</b>									1.021	9.901	9.502e-3	3.89e-2																								
	AAL95343.1   Hypothetical protein																																			

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Proteins found: 1424

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

FnPgSg vs FnPg

FnSg vs FnPg

FnSg vs Fn

FnPgSg vs FnSg

Fn Summary Table

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FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1148</b>	0.121	11.123	2.843e-1	8.857e-1	0.232	11.418	5.646e-3	2.379e-2	-0.087	10.711	5.158e-2	2.678e-1	-0.208	11.035	2.527e-1	8.105e-1	0.111	11.539	4.044e-1	8.864e-1	-0.319	11.331	2.232e-3	5.304e-3												
	AAL95344.1   Serine/threonine sodium symporter																																			
<b>FN1149</b>	-0.897	7.170	1.237e-4	1.925e-5	-0.203	8.048	2.973e-3	1.11e-2	-1.099	6.764	5.055e-3	1.849e-2	-0.202	6.072	2.01e-1	6.004e-1	0.693	7.151	2.336e-3	1.566e-4	-0.895	6.949	1.095e-2	3.909e-2												
	AAL95345.1   ATP-dependent nuclease subunit A																																			
<b>FN1150</b>	-1.199	5.199			-0.484	6.098			-0.739	5.455			0.459	4.459			0.715	4.900			-0.256	5.359														
	AAL95346.1   unknown																																			
<b>FN1152</b>	-0.607	13.861	5.176e-2	9.389e-2	-0.662	13.990	9.151e-5	1.399e-4	-0.040	14.224	9.982e-2	5.613e-1	0.567	13.821	6.229e-2	1.102e-1	-0.055	13.383	4.011e-1	8.743e-1	0.622	13.950	1.393e-3	2.945e-3												
	AAL95348.1   Aspartate aminotransferase																																			
<b>FN1153</b>									0.032	10.393	1.326e-1	7.737e-1																								
	AAL95349.1   Hypothetical protein																																			
<b>FN1154</b>	1.123	7.521			0.060	6.643											-1.063	7.766																		
	AAL95350.1   Ribonuclease BN																																			
<b>FN1155</b>					-1.457	5.766	5.269e-3	2.197e-2																												
	AAL95351.1   Cell division protein ftsI																																			
<b>FN1156</b>																																				
	AAL95352.1   Primosomal protein N'																																			
<b>FN1157</b>									0.980	7.065	1.114e-2	4.655e-2																								
	AAL95353.1   Polypeptide deformylase																																			
<b>FN1159</b>	0.507	13.609	4.817e-2	8.513e-2	0.801	14.088	3.377e-4	7.494e-4	-0.035	12.863	1.354e-1	7.929e-1	-0.542	13.574	4.806e-2	7.492e-2	0.294	14.595	1.371e-1	1.56e-1	-0.836	14.052	1.714e-4	1.773e-4												
	AAL95355.1   Fructose-1,6-bisphosphatase																																			
<b>FN1160</b>	-1.457	4.627			-0.124	6.144	7.389e-2	4.24e-1	0.227	6.107	1.842e-2	8.233e-2	1.684	4.854			1.333	4.687			0.352	6.372	1.012e-2	3.554e-2												
	AAL95356.1   SWF/SNF family helicase																																			
<b>FN1161</b>	-2.264	5.434			-0.986	6.896	3.008e-3	1.126e-2	-1.389	6.104			0.874	4.044			1.278	4.632			-0.403	5.507														
	AAL95357.1   Glutamate racemase																																			
<b>FN1162</b>	1.679	7.106			0.121	5.732											-1.558	7.411																		
	AAL95358.1   Hydroxyacylglutathione hydrolase																																			
<b>FN1163</b>	0.016	11.964	3.015e-1	9.621e-1	-0.499	11.635	1.334e-2	6.521e-2	0.429	12.174	1.094e-3	2.695e-3	0.413	12.393	9.506e-2	2.023e-1	-0.514	11.650	1.768e-1	2.547e-1	0.927	12.063	3.219e-3	8.388e-3												
	AAL95359.1   Thioredoxin reductase																																			
<b>FN1164</b>	-1.042	7.626	4.611e-5	4.151e-6	-0.764	8.088	5.827e-4	1.496e-3	-1.552	6.911			-0.511	6.073			0.278	7.046	1.106e-1	1.026e-1	-0.788	6.536														
	AAL95360.1   Glucokinase																																			
<b>FN1165</b>	-0.474	23.494	3.39e-4	8.379e-5	0.138	24.291	6.285e-2	3.564e-1	0.707	24.471	1.037e-4	1.155e-4	1.181	24.201	5.659e-5	3.271e-6	0.612	23.817	5.094e-2	2.352e-2	0.568	24.997	2.725e-3	6.819e-3												
	AAL95361.1   D-galactose-binding protein																																			
<b>FN1166</b>	-0.484	15.297	6.935e-3	7.123e-3	-0.107	15.858	4.275e-2	2.353e-1	-0.912	14.665	6.242e-4	1.324e-3	-0.428	14.385	5.173e-4	9.314e-5	0.377	15.375	1.558e-3	7.615e-5	-0.805	14.946	1.643e-5	6.592e-6												
	AAL95362.1   Galactoside transport ATP-binding protein mgIA																																			

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q-Value p-Value

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Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
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FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1167</b>					-1.960	9.059	1.49e-2	7.405e-2	-0.858	9.773	4.028e-2	2.029e-1													1.102	8.201	4.179e-3	1.182e-2								
	AAL95363.1   Galactoside transport system permease protein mgIC																																			
<b>FN1169</b>	-0.356	16.815	4.448e-2	7.633e-2	-0.078	17.277	1.066e-1	6.339e-1	-0.641	16.326	5.206e-5	4.348e-5	-0.285	16.174	9.312e-2	1.958e-1	0.278	16.921	1.73e-1	2.456e-1	-0.563	16.637	1.318e-2	4.862e-2												
	AAL95365.1   L-lactate dehydrogenase																																			
<b>FN1170</b>	0.506	25.229	7.054e-2	1.441e-1	0.364	25.271	8.773e-6	4.768e-6	-0.301	24.218	6.627e-4	1.43e-3	-0.807	24.928	4.348e-2	6.47e-2	-0.142	25.777	3.064e-1	5.768e-1	-0.665	24.970	2.019e-5	9.477e-6												
	AAL95366.1   Pyruvate-flavodoxin oxidoreductase																																			
<b>FN1171</b>	0.209	19.881	1.436e-1	3.589e-1	-0.013	19.843	1.435e-1	8.903e-1	-0.180	19.288	7.07e-3	2.748e-2	-0.388	19.701	7.863e-2	1.521e-1	-0.222	20.052	2.133e-1	3.435e-1	-0.167	19.664	3.173e-2	1.328e-1												
	AAL95367.1   Acetate kinase																																			
<b>FN1172</b>	-0.630	18.578	1.192e-4	1.8e-5	-0.600	18.793	4.171e-5	4.682e-5	-0.131	18.873	1.678e-2	7.399e-2	0.499	18.447	2.845e-3	1.133e-3	0.030	18.163	3.338e-1	6.54e-1	0.469	18.661	7.401e-4	1.293e-3												
	AAL95368.1   Phosphate acetyltransferase																																			
<b>FN1176</b>																																				
	AAL95372.1   Hypothetical cytosolic protein																																			
<b>FN1179</b>	1.870	6.653			0.101	5.069											-1.769	6.939																		
	AAL95375.1   ATP-dependent RNA helicase																																			
<b>FN1180</b>	0.361	7.191			-0.700	6.314											-1.061	6.676																		
	AAL95376.1   Hypothetical protein																																			
<b>FN1181</b>	1.353	15.098	1.258e-1	3.03e-1	-0.991	12.938	1.55e-4	2.816e-4	-0.603	12.939	1.358e-3	3.661e-3	-1.956	14.495	1.022e-1	2.275e-1	-2.344	14.291	1.54e-1	2.001e-1	0.388	12.335	1.265e-2	4.632e-2												
	AAL95377.1   unknown																																			
<b>FN1182</b>	0.348	7.204			-0.935	6.105											-1.284	6.453																		
	AAL95378.1   Hypothetical protein																																			
<b>FN1183</b>	1.050	6.875	1.941e-2	2.608e-2	0.873	6.883	1.428e-2	7.06e-2	-0.372	5.250	3.84e-2	1.919e-1	-1.422	6.503	1.305e-2	1.13e-2	-0.176	7.933	3.097e-1	5.857e-1	-1.245	6.511	9.701e-3	3.377e-2												
	AAL95379.1   Hypothetical cytosolic protein																																			
<b>FN1184</b>																																				
	AAL95380.1   Hypothetical protein																																			
<b>FN1185</b>	0.578	10.599	1.313e-1	3.2e-1	-0.111	10.095	5.219e-2	2.924e-1	-0.022	9.796	1.28e-1	7.429e-1	-0.600	10.578	1.248e-1	3.079e-1	-0.689	10.673	1.81e-1	2.649e-1	0.090	10.073	7.936e-2	3.729e-1												
	AAL95381.1   SIR2 family protein																																			
<b>FN1186</b>	4.221	12.526	4.992e-2	8.934e-2	4.461	12.950	1.95e-5	1.59e-5	0.571	8.672	1.738e-2	7.7e-2	-3.651	13.097	5.602e-2	9.491e-2	0.240	17.171	3.387e-1	6.688e-1	-3.890	13.521	1.311e-5	4.501e-6												
	AAL95382.1   Amidohydrolase																																			
<b>FN1187</b>													-0.476	10.886	1.992e-1	5.927e-1	0.650	12.196	2.121e-1	3.408e-1	-1.126	11.721	1.251e-2	4.572e-2												
	AAL95383.1   Amino acid-binding protein																																			
<b>FN1188</b>	-0.936	11.845	5.604e-2	1.05e-1	0.226	13.192	1.158e-2	5.527e-2	-0.774	11.803	1.582e-3	4.52e-3	0.162	11.071	2.475e-1	7.886e-1	1.162	12.256	7.563e-2	4.809e-2	-1.000	12.418	2.38e-4	2.799e-4												
	AAL95384.1   Hypothetical protein																																			
<b>FN1189</b>	-0.482	12.482	1.891e-3	1.186e-3	-0.599	12.549	5.336e-3	2.229e-2	-0.844	11.917	9.974e-5	1.086e-4	-0.362	11.639	4.426e-4	7.239e-5	-0.118	12.067	2.978e-1	5.538e-1	-0.244	11.706	6.726e-2	3.104e-1												
	AAL95385.1   Hypothetical protein																																			

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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

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1190</b>	-0.937	13.526	2.184e-5	1.409e-6	0.102	14.748	2.297e-3	8.066e-3	-0.773	13.486	2.781e-5	1.491e-5	0.164	12.753	4.181e-2	6.12e-2	1.038	13.812	8.211e-5	4.721e-7	-0.874	13.976	1.307e-5	4.48e-6												
	AAL95386.1   Probable cadmium-transporting ATPase																																			
<b>FN1191</b>	0.044	10.940			1.230	12.311	5.734e-3	2.423e-2	-1.310	9.382	1.205e-4	1.418e-4	-1.354	9.630			1.187	12.355			-2.540	11.001	3.237e-3	8.446e-3												
	AAL95387.1   unknown																																			
<b>FN1192</b>	0.086	16.985	2.075e-1	5.839e-1	0.877	17.961	2.91e-3	1.08e-2	0.899	17.594	2.076e-4	3.074e-4	0.813	17.884	2.569e-3	9.785e-4	0.791	18.046	2.599e-2	7.173e-3	0.022	18.859	1.68e-1	8.733e-1												
	AAL95388.1   unknown																																			
<b>FN1198</b>	0.382	9.619	6.09e-2	1.185e-1	1.280	10.701	1.881e-5	1.503e-5	-0.032	9.001	8.343e-2	4.585e-1	-0.414	9.587	5.934e-2	1.031e-1	0.898	11.084	1.113e-2	2.001e-3	-1.312	10.670	5.405e-5	3.859e-5												
	AAL95394.1   Transporter																																			
<b>FN1200</b>													-5.133	12.533			-0.742	17.108			-4.391	11.975	5.214e-4	7.921e-4												
	AAL95396.1   Hypothetical protein																																			
<b>FN1201</b>																																				
	AAL95397.1   unknown																																			
<b>FN1202</b>	1.492	8.053			1.295	8.041			0.633	6.991			-0.858	8.687	6.926e-3	4.136e-3	-0.197	9.533	2.819e-1	5.125e-1	-0.662	8.674	3.534e-2	1.502e-1												
	AAL95398.1   NH(3)-dependent NAD(+) synthetase																																			
<b>FN1203</b>	-0.717	6.710			-0.412	7.199											0.305	6.482	2.465e-1	4.265e-1																
	AAL95399.1   GTP-binding protein																																			
<b>FN1204</b>	0.388	7.090	7.563e-2	1.577e-1	0.512	7.398	1.83e-2	9.29e-2									0.124	7.786	2.531e-1	4.425e-1																
	AAL95400.1   Methyltransferase																																			
<b>FN1205</b>	-0.683	12.230	6.338e-2	1.254e-1	-0.761	12.337	9.387e-3	4.337e-2	-0.383	12.326	4.428e-3	1.578e-2	0.300	11.847	1.744e-1	4.912e-1	-0.078	11.654	4.044e-1	8.864e-1	0.378	11.953	5.801e-2	2.633e-1												
	AAL95401.1   Protease																																			
<b>FN1206</b>																																				
	AAL95402.1   Hemolysin																																			
<b>FN1208</b>	-0.395	6.435	3.627e-2	5.794e-2	0.580	7.594			-0.991	5.635			-0.596	5.444			0.975	7.199			-1.571	6.604														
	AAL95404.1   1-deoxyxylulose-5-phosphate synthase																																			
<b>FN1209</b>	-2.359	10.173			-1.872	10.844	2.67e-3	9.698e-3	-0.479	11.848	3.301e-2	1.609e-1	1.880	9.694			0.487	8.485			1.393	10.365	1.062e-2	3.767e-2												
	AAL95405.1   Hypothetical RNA binding protein																																			
<b>FN1210</b>	-1.499	11.414	1.487e-2	1.838e-2	-1.032	12.066	5.966e-3	2.538e-2	-1.246	11.463	5.322e-3	1.97e-2	0.253	10.168	1.046e-1	2.361e-1	0.467	10.567	1.481e-1	1.847e-1	-0.214	10.820	1.025e-1	4.939e-1												
	AAL95406.1   Metal dependent hydrolase																																			
<b>FN1211</b>	-1.699	7.067	5.425e-4	1.742e-4	-0.699	8.252	3.479e-3	1.353e-2	-0.425	8.138	4.291e-2	2.179e-1	1.275	6.642	4.827e-2	7.542e-2	1.001	6.553	6.418e-2	3.53e-2	0.274	7.827	1.073e-1	5.2e-1												
	AAL95407.1   Cell division protein ftsI																																			
<b>FN1213</b>	-1.264	11.300	7.2e-3	7.517e-3	-0.421	12.327	2.328e-3	8.199e-3	-0.785	11.575	2.858e-4	4.737e-4	0.479	10.515	1.034e-1	2.319e-1	0.842	11.063	8.008e-2	5.416e-2	-0.364	11.542	5.795e-3	1.813e-2												
	AAL95409.1   Hypothetical protein																																			
<b>FN1214</b>																																				
	AAL95410.1   Fe-S oxidoreductase																																			

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1216</b>	-1.368	8.377	1.593e-2	2.007e-2	-0.881	9.049	1.107e-2	5.249e-2	-2.043	7.499	2.413e-3	7.568e-3	-0.675	6.335	8.412e-2	1.678e-1	0.487	7.681	7.205e-2	4.373e-2	-1.162	7.006	8.666e-3	2.956e-2												
	AAL95412.1   RRF2 family protein																																			
<b>FN1217</b>	-1.747	7.361			-0.122	9.171	9.118e-2	5.332e-1	-2.308	6.597	1.333e-3	3.563e-3	-0.561	5.054			1.625	7.424			-2.186	6.863	7.813e-4	1.393e-3												
	AAL95413.1   Holliday junction DNA helicase ruvB																																			
<b>FN1218</b>																	0.374	7.959																		
	AAL95414.1   unknown																																			
<b>FN1219</b>	0.350	7.953	5.396e-2	9.952e-2	0.075	7.863	9.847e-2	5.804e-1	0.422	7.821	3.929e-2	1.971e-1	0.072	8.375	2.487e-1	7.936e-1	-0.275	8.213	1.35e-1	1.511e-1	0.347	8.285	5.689e-2	2.576e-1												
	AAL95415.1   Hypothetical protein																																			
<b>FN1220</b>	-0.155	15.303	5.815e-2	1.107e-1	0.134	15.776	9.04e-2	5.281e-1	0.018	15.272	1.344e-1	7.861e-1	0.173	15.321	5.507e-2	9.256e-2	0.289	15.621	1.709e-1	2.404e-1	-0.116	15.794	1.186e-1	5.823e-1												
	AAL95416.1   Cysteine synthase																																			
<b>FN1221</b>	0.131	8.428	2.718e-1	8.321e-1	0.628	9.110	1.698e-2	8.559e-2	0.092	8.185	8.491e-2	4.678e-1	-0.040	8.520	2.832e-1	9.47e-1	0.497	9.241	2.284e-1	3.808e-1	-0.537	9.201	2.795e-2	1.15e-1												
	AAL95417.1   Hypothetical protein																																			
<b>FN1222</b>	-1.403	8.987	3.455e-4	8.614e-5	-2.965	7.609			-1.412	8.774	5.603e-4	1.153e-3	-0.009	7.575	2.889e-1	9.741e-1	-1.562	6.206			1.553	6.197														
	AAL95418.1   Hypothetical protein																																			
<b>FN1223</b>	0.428	12.381	5.721e-2	1.081e-1	-1.197	10.940	1.036e-5	6.173e-6	0.552	12.301	1.365e-4	1.694e-4	0.124	12.932	1.753e-1	4.947e-1	-1.625	11.368	2.843e-2	8.322e-3	1.749	11.492	7.912e-6	1.933e-6												
	AAL95419.1   Oxygen-insensitive NAD(P)H nitroreductase																																			
<b>FN1224</b>	-0.623	13.846	5.546e-2	1.034e-1	-1.022	13.632	4.285e-4	1.006e-3	-0.646	13.620	8.024e-4	1.807e-3	-0.022	13.201	2.847e-1	9.542e-1	-0.398	13.009	2.364e-1	4.016e-1	0.376	12.987	2.757e-2	1.133e-1												
	AAL95420.1   2-dehydro-3-deoxyphosphooctonate aldolase																																			
<b>FN1225</b>	-0.240	13.494	1.81e-1	4.893e-1	-0.427	13.491	1.198e-2	5.752e-2	0.346	13.875	9.908e-3	4.08e-2	0.586	13.839	5.862e-2	1.013e-1	-0.187	13.251	3.249e-1	6.283e-1	0.773	13.837	6.241e-4	1.028e-3												
	AAL95421.1   UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--meso-lanthionine ligase																																			
<b>FN1226</b>	-1.125	13.443	2.289e-2	3.208e-2	0.365	15.117	2.48e-2	1.297e-1	-0.774	13.590	2.599e-7	2.069e-8	0.351	12.669	1.612e-1	4.415e-1	1.490	13.992	2.328e-2	5.925e-3	-1.139	14.343	4.941e-3	1.48e-2												
	AAL95422.1   Uracil-DNA glycosylase																																			
<b>FN1229</b>																																				
	AAL95425.1   Hypothetical protein																																			
<b>FN1230</b>									0.003	11.544	1.62e-1	9.785e-1																								
	AAL95426.1   Hypothetical cytosolic protein																																			
<b>FN1231</b>	0.451	18.536	1.967e-1	5.46e-1	0.921	19.191	1.093e-4	1.752e-4	0.337	18.219	1.457e-3	4.047e-3	-0.113	18.873	2.642e-1	8.607e-1	0.471	19.642	2.362e-1	4.012e-1	-0.584	19.529	3.977e-5	2.495e-5												
	AAL95427.1   Inosine-5'-monophosphate dehydrogenase																																			
<b>FN1233</b>					0.340	4.830																														
	AAL95429.1   Putative NAD(P)H oxidoreductase																																			
<b>FN1234</b>					0.160	8.625			-1.190	6.887	2.012e-5	9.116e-6									-1.350	7.435														
	AAL95430.1   Hypothetical protein																																			
<b>FN1235</b>	1.403	7.579			1.768	8.128			0.553	6.525			-0.850	8.132	1.028e-1	2.297e-1	0.365	9.531	2.504e-1	4.362e-1	-1.215	8.682	5.925e-3	1.866e-2												
	AAL95431.1   Ankyrin repeat proteins																																			

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1237</b>	1.575	10.956	1.626e-3	9.569e-4	2.287	11.853	2.375e-4	4.73e-4	0.144	9.322	1.478e-2	6.409e-2	-1.431	11.101	2.257e-3	8.196e-4	0.712	13.428	6.986e-3	9.988e-4	-2.143	11.997	3.259e-4	4.31e-4												
	AAL95433.1   Choline kinase																																			
<b>FN1238</b>																	-0.414	4.414																		
	AAL95434.1   Hypothetical protein																																			
<b>FN1239</b>																																				
	AAL95435.1   Hypothetical protein																																			
<b>FN1240</b>	-1.829	8.757	4.347e-4	1.226e-4	-2.598	8.173	6.78e-5	9.412e-5	-2.083	8.300	2.962e-5	1.66e-5	-0.254	6.675	1.82e-1	5.212e-1	-0.769	6.344	1.319e-1	1.439e-1	0.515	6.090	1.651e-2	6.312e-2												
	AAL95436.1   Lipopolysaccharide core biosynthesis protein rfaY																																			
<b>FN1241</b>	-0.139	5.668	2.521e-1	7.514e-1	0.491	6.482	1.888e-2	9.616e-2									0.629	6.343	1.099e-1	1.014e-1																
	AAL95437.1   polysaccharide biosynthesis protein																																			
<b>FN1242</b>	0.657	7.683			1.104	8.315	6.253e-5	8.35e-5	-0.936	5.887	2.737e-3	8.818e-3	-1.592	6.748			0.448	8.972			-2.040	7.380	2.034e-5	9.613e-6												
	AAL95438.1   Polysaccharide deacetylase																																			
<b>FN1243</b>	0.021	7.594			-0.234	7.523	3.163e-2	1.697e-1	-0.940	6.429	2.902e-3	9.485e-3	-0.961	6.654			-0.255	7.544			-0.706	6.584	4.124e-5	2.651e-5												
	AAL95439.1   Glycosyl transferase																																			
<b>FN1244</b>	0.587	8.322	1.745e-1	4.643e-1	0.771	8.692	3.719e-3	1.473e-2	-1.254	6.278	2.128e-3	6.519e-3	-1.841	7.068	8.382e-2	1.669e-1	0.185	9.278	3.677e-1	7.594e-1	-2.025	7.437	1.644e-3	3.627e-3												
	AAL95440.1   Polysaccharide deacetylase																																			
<b>FN1245</b>	-2.175	6.550	1.589e-2	2.001e-2	-1.567	7.344	7.032e-3	3.087e-2									0.609	5.168	4.202e-3	4.429e-4																
	AAL95441.1   Glycosyl transferase																																			
<b>FN1246</b>	-0.372	8.186			-0.141	8.601	7.953e-2	4.591e-1	-2.234	6.119			-1.862	5.951			0.231	8.229			-2.093	6.366														
	AAL95442.1   Lipooligosaccharide cholinephosphotransferase																																			
<b>FN1247</b>	-0.619	8.705	3.85e-2	6.267e-2	0.349	9.857	5.002e-2	2.792e-1	-1.668	7.452	5.921e-4	1.237e-3	-1.049	7.036	4.859e-2	7.617e-2	0.968	9.238	7.704e-2	4.994e-2	-2.017	8.189	4.351e-3	1.25e-2												
	AAL95443.1   LOS biosynthesis enzyme LBGB																																			
<b>FN1248</b>																																				
	AAL95444.1   Hypothetical cytosolic protein																																			
<b>FN1250</b>	-1.376	9.925	1.084e-3	5.351e-4	-1.336	10.150	4.866e-4	1.184e-3	-1.028	10.069	5.004e-4	1.001e-3	0.348	8.897	1.072e-1	2.464e-1	0.040	8.774	4.033e-1	8.823e-1	0.308	9.122	3.567e-2	1.518e-1												
	AAL95446.1   Guanine-hypoxanthine permease																																			
<b>FN1251</b>	-0.530	6.145			0.025	6.884	1.53e-1	9.601e-1	-0.127	6.344	8.453e-2	4.654e-1	0.403	6.018			0.555	6.354			-0.152	6.757	1.525e-1	7.785e-1												
	AAL95447.1   High-affinity iron permease																																			
<b>FN1252</b>	-1.973	17.489	1.155e-3	5.951e-4	-1.187	18.460	1.159e-4	1.892e-4	-0.402	18.857	4.009e-3	1.397e-2	1.571	17.087	3.862e-3	1.786e-3	0.786	16.487	5.381e-2	2.628e-2	0.785	18.058	1.531e-3	3.314e-3												
	AAL95448.1   34 kDa membrane antigen precursor																																			
<b>FN1253</b>	-0.833	16.061	6.623e-2	1.328e-1	-0.732	16.347	1.505e-4	2.701e-4	-0.279	16.411	8.377e-3	3.349e-2	0.554	15.782	1.26e-1	3.123e-1	0.102	15.514	3.977e-1	8.62e-1	0.452	16.068	4.431e-3	1.282e-2												
	AAL95449.1   unknown																																			
<b>FN1254</b>	-0.817	12.908	2.362e-2	3.338e-2	-1.036	12.873	8.79e-5	1.331e-4	0.021	13.541	1.426e-1	8.416e-1	0.837	12.928	2.476e-2	2.872e-2	-0.219	12.056	3.057e-1	5.75e-1	1.056	12.894	2.61e-4	3.21e-4												
	AAL95450.1   Oxygen-insensitive NAD(P)H nitroreductase																																			

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1424

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Dot Plots

Dot Plots

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

FnPg vs Fn — — FnSg vs Fn  
FnPgSg vs Fn — — FnPgSg vs FnPg  
FnSg vs FnPg — — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1255</b>	AAL95451.1  NagD protein																																			
<b>FN1256</b>	-0.603	4.603							-0.558	4.443			0.044	4.044																						
<b>FN1258</b>	-0.787	19.783	2.008e-3	1.297e-3	-0.557	20.198	1.495e-4	2.677e-4	-0.263	20.103	6.578e-5	5.964e-5	0.524	19.520	1.03e-2	7.915e-3	0.230	19.411	1.1e-1	1.015e-1	0.294	19.935	2.606e-3	6.457e-3												
<b>FN1259</b>	AAL95454.1  C4-dicarboxylate-binding protein																																			
<b>FN1259</b>	AAL95455.1  hypothetical protein																																			
<b>FN1260</b>									-0.594	3.764																										
<b>FN1260</b>	AAL95456.1  Sensory Transduction Protein Kinase																																			
<b>FN1261</b>	1.385	6.168																																		
<b>FN1261</b>	AAL95457.1  Two-component response regulator																																			
<b>FN1262</b>	1.719	6.924			1.407	6.796											-0.313	8.516																		
<b>FN1262</b>	AAL95458.1  Integral membrane protein																																			
<b>FN1263</b>	-0.934	8.230	4.534e-3	3.968e-3	-0.159	9.189	1.724e-2	8.706e-2	-0.555	8.405	3.136e-6	6.101e-7	0.379	7.675	5.1e-2	8.2e-2	0.775	8.255	1.612e-2	3.402e-3	-0.396	8.634	4.722e-3	1.395e-2												
<b>FN1263</b>	AAL95459.1  Cobalt chelatase																																			
<b>FN1264</b>					-0.747	8.802	6.873e-3	3.003e-2	-1.171	7.990	3.768e-3	1.295e-2									-0.424	7.631	2.497e-4	3.004e-4												
<b>FN1264</b>	AAL95460.1  Hypothetical protein																																			
<b>FN1265</b>	0.033	13.133	2.501e-1	7.434e-1	-0.208	13.076	3.209e-2	1.724e-1	-0.502	12.394	7.692e-3	3.031e-2	-0.535	12.631	2.142e-2	2.341e-2	-0.241	13.109	1.249e-1	1.294e-1	-0.294	12.574	4.543e-2	2e-1												
<b>FN1265</b>	AAL95461.1  Outer membrane protein																																			
<b>FN1266</b>	-0.752	14.116	4.763e-3	4.265e-3	-0.726	14.326	1.444e-3	4.639e-3	-0.561	14.103	1.174e-3	2.972e-3	0.191	13.555	1.125e-1	2.645e-1	0.026	13.574	4.062e-1	8.932e-1	0.165	13.765	6.992e-2	3.243e-1												
<b>FN1266</b>	AAL95462.1  UTP--glucose-1-phosphate uridylyltransferase																																			
<b>FN1267</b>	0.132	10.711	1.759e-1	4.702e-1	-0.323	10.440	3.336e-2	1.8e-1	-0.318	10.057	2.622e-7	2.119e-8	-0.450	10.393	5.226e-2	8.518e-2	-0.455	10.572	1.202e-1	1.199e-1	0.005	10.122	1.85e-1	9.817e-1												
<b>FN1267</b>	AAL95463.1  Hypothetical protein																																			
<b>FN1268</b>	-0.507	15.890	1.852e-2	2.451e-2	-1.071	15.511	1.415e-3	4.529e-3	-0.610	15.583	4.232e-3	1.493e-2	-0.103	15.280	3.814e-2	5.386e-2	-0.563	15.004	6.929e-4	1.394e-5	0.461	14.901	1.65e-4	1.688e-4												
<b>FN1268</b>	AAL95464.1  Methionyl-tRNA synthetase																																			
<b>FN1269</b>	-2.042	6.042			-0.946	7.322			-1.997	5.882			0.044	4.044			1.095	5.280			-1.051	5.324														
<b>FN1269</b>	AAL95465.1  Hypothetical lipoprotein																																			
<b>FN1270</b>	-2.654	11.438			-3.588	10.689			0.528	14.416	4.406e-4	8.485e-4	3.182	11.966			-0.934	8.035			4.116	11.216														
<b>FN1270</b>	AAL95466.1  Hypothetical cytosolic protein																																			
<b>FN1271</b>	-0.989	10.819	3.867e-2	6.304e-2	-0.271	11.721	3.333e-2	1.799e-1	-0.310	11.294	4.592e-3	1.648e-2	0.679	10.509	8.683e-2	1.759e-1	0.718	10.732	1.407e-1	1.649e-1	-0.039	11.411	1.637e-1	8.465e-1												
<b>FN1271</b>	AAL95467.1  Protease IV																																			
<b>FN1273</b>	0.174	10.980	2.748e-1	8.449e-1	0.531	11.522	2.203e-2	1.139e-1	-1.363	9.239	1.301e-2	5.546e-2	-1.537	9.617	1.198e-1	2.898e-1	0.357	11.696	3.223e-1	6.208e-1	-1.894	10.159	3.127e-7	2.423e-8												
<b>FN1273</b>	AAL95469.1  Outer membrane protein toIC																																			

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

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																		
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6								
<b>FN1274</b> AAL95470.1   Acriflavin resistance protein E	-2.178	9.111	8.321e-4	3.478e-4	-1.250	10.223	5.095e-4	1.258e-3	-1.745	9.340	4.319e-4	8.273e-4	0.433	7.366	1.519e-1	4.081e-1	0.927	8.045	1.006e-1	8.603e-2	-0.494	8.478	8.989e-4	1.686e-3																			
<b>FN1275</b> AAL95471.1   Acriflavin resistance protein B	-1.966	9.836	2.602e-4	5.783e-5	-1.572	10.413	2.811e-4	5.884e-4	-1.300	10.297	7.017e-5	6.519e-5	0.666	8.536	4.553e-2	6.916e-2	0.393	8.448	1.715e-1	2.418e-1	0.273	9.113	3.324e-2	1.4e-1																			
<b>FN1276</b> AAL95472.1   Hypothetical protein													-1.157	7.168	3.697e-3	1.684e-3	0.028	8.537	3.846e-1	8.16e-1	-1.184	7.380	7.721e-4	1.37e-3																			
<b>FN1277</b> AAL95473.1   Aminoacyl-histidine dipeptidase	0.370	15.287	1.416e-1	3.524e-1	0.267	15.369	6.773e-3	2.95e-2	0.072	14.785	6.748e-2	3.611e-1	-0.298	15.359	1.58e-1	4.298e-1	-0.103	15.739	3.686e-1	7.621e-1	-0.195	15.440	1.632e-2	6.224e-2																			
<b>FN1278</b> AAL95474.1   Acetyltransferase													2.044	5.214			1.782	5.137			0.262	7.181																					
<b>FN1279</b> AAL95475.1   Zinc metallohydrolase, glyoxalase II family	-0.542	12.225	3.008e-3	2.25e-3	-0.890	12.061	1.02e-4	1.603e-4	-0.736	11.827	8.152e-4	1.842e-3	-0.194	11.489	8.004e-2	1.56e-1	-0.348	11.520	6.965e-2	4.101e-2	0.154	11.326	2.489e-2	1.01e-1																			
<b>FN1280</b> AAL95476.1   Serine protease, V8 family	2.279	9.432	9.521e-5	1.248e-5	3.038	10.375	3.156e-4	6.873e-4	0.286	7.234	1.051e-2	4.36e-2	-1.994	9.717	5.39e-4	9.995e-5	0.758	12.654	2.161e-2	5.248e-3	-2.752	10.660	5.523e-4	8.591e-4																			
<b>FN1281</b> AAL95477.1   Cysteine protease	-0.305	8.518	8.875e-2	1.946e-1	0.629	9.636	4.332e-3	1.759e-2									0.934	9.331	1.248e-3	4.666e-5																							
<b>FN1282</b> AAL95478.1   LSU ribosomal protein L17P	0.471	12.375	8.354e-2	1.801e-1	0.250	12.338	1.182e-2	5.664e-2	0.704	12.404	1.554e-5	6.064e-6	0.233	13.079	1.369e-1	3.545e-1	-0.221	12.809	2.555e-1	4.482e-1	0.455	13.042	1.408e-3	2.984e-3																			
<b>FN1283</b> AAL95479.1   DNA-directed RNA polymerase alpha chain	-0.083	17.505	1.086e-1	2.515e-1	0.423	18.195	1.589e-2	7.951e-2	1.182	18.566	6.679e-6	1.76e-6	1.265	18.687	8.716e-5	6.423e-6	0.506	18.113	7.992e-2	5.392e-2	0.759	19.378	2.37e-3	5.732e-3																			
<b>FN1284</b> AAL95480.1   SSU ribosomal protein S4P	-0.803	18.736	3.716e-2	5.98e-2	-1.208	18.516	3.448e-7	3.598e-8	-0.356	18.980	3.92e-5	2.886e-5	0.448	18.380	1.071e-1	2.46e-1	-0.404	17.713	2.38e-1	4.058e-1	0.852	18.160	1.686e-5	6.882e-6																			
<b>FN1285</b> AAL95481.1   SSU ribosomal protein S11P	1.408	14.708	1.326e-1	3.242e-1	-2.246	11.238	2.49e-5	2.234e-5	0.344	13.440	1.377e-3	3.737e-3	-1.064	15.052	1.489e-1	3.973e-1	-3.654	12.646	1.466e-1	1.806e-1	2.590	11.582	1.366e-4	1.301e-4																			
<b>FN1286</b> AAL95482.1   SSU ribosomal protein S13P	-2.940	14.401	1.158e-4	1.712e-5	-2.156	15.369	1.562e-6	3.129e-7	-1.897	15.240	3.128e-6	6.078e-7	1.043	12.504	1.179e-2	9.704e-3	0.784	12.429	2.419e-2	6.321e-3	0.259	13.472	4.274e-2	1.867e-1																			
<b>FN1287</b> AAL95483.1   Bacterial Protein Translation Initiation Factor 1 (IF-1)	-1.021	9.866	2.957e-2	4.434e-2	-2.227	8.844	5.401e-5	6.771e-5	-2.396	8.287	3.07e-5	1.768e-5	-1.375	7.470	7.396e-2	1.394e-1	-1.206	7.823	1.397e-1	1.624e-1	-0.169	6.448	1.021e-1	4.92e-1																			
<b>FN1290</b> AAL95486.1   Hypothetical protein	0.645	10.431	1.852e-1	5.055e-1	-0.935	9.035	3.475e-3	1.35e-2	-1.483	8.099	2.174e-4	3.29e-4	-2.128	8.949	9.586e-2	2.05e-1	-1.581	9.681	1.784e-1	2.584e-1	-0.547	7.552	4.987e-2	2.222e-1																			
<b>FN1293</b> AAL95489.1   Hypothetical protein					-0.864	5.625			-0.693	5.408											0.171	4.932																					
<b>FN1296</b> AAL95492.1   unknown									-1.566	7.856	5.053e-3	1.849e-2																															

Show detected proteins only  
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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

*FnPg vs Fn* — █ — *FnSg vs Fn*  
*FnPgSg vs Fn* — █ — *FnPgSg vs FnPg*  
*FnSg vs FnPg* — █ — *FnPgSg vs FnSg*

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																			
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6									
<b>FN1297</b> AAL95493.1   Methionine aminopeptidase	-0.841	9.444	4.337e-3	3.722e-3	-0.261	10.208	5.042e-3	2.088e-2	0.451	10.532	6.444e-3	2.469e-2	1.292	9.895	1.69e-3	5.399e-4	0.580	9.368	2.583e-2	7.093e-3	0.712	10.659	2.065e-3	4.807e-3																				
<b>FN1298</b> AAL95494.1   Adenylate kinase	-0.719	13.058	7.377e-3	7.764e-3	-1.411	12.551	2.195e-3	7.624e-3	-0.430	13.144	1.609e-2	7.057e-2	0.289	12.628	1.183e-1	2.843e-1	-0.692	11.831	1.109e-1	1.031e-1	0.982	12.121	1.02e-2	3.586e-2																				
<b>FN1299</b> AAL95495.1   dTDP-glucose 4,6-dehydratase																	-0.068	5.287																										
<b>FN1301</b> AAL95497.1   ABC transporter ATP-binding protein	-0.775	12.818	4.601e-2	8.006e-2	-1.250	12.528	5.191e-6	2.015e-6	-0.404	12.985	8.358e-4	1.9e-3	0.371	12.414	1.407e-1	3.68e-1	-0.475	11.753	2.3e-1	3.849e-1	0.846	12.124	3.104e-4	4.039e-4																				
<b>FN1302</b> AAL95498.1   Hypothetical protein	0.143	17.191	2.688e-1	8.195e-1	-1.858	15.374	1.188e-3	3.661e-3	0.595	17.439	1.779e-3	5.238e-3	0.452	17.786	1.5e-1	4.013e-1	-2.002	15.517	1.294e-1	1.387e-1	2.453	15.969	4.184e-4	5.898e-4																				
<b>FN1303</b> AAL95499.1   hypothetical cytosolic protein	-0.634	12.859	6.586e-4	2.35e-4	-0.799	12.879	3.786e-5	4.019e-5	-0.764	12.525	5.782e-5	4.994e-5	-0.130	12.095	1.106e-1	2.58e-1	-0.165	12.244	1.421e-1	1.683e-1	0.035	12.114	1.474e-1	7.479e-1																				
<b>FN1304</b> AAL95500.1   Single-strand DNA binding protein	-0.297	14.350	3.374e-2	5.275e-2	-0.525	14.306	1.29e-4	2.185e-4	-0.135	14.308	1.864e-4	8.348e-2	0.162	14.215	1.013e-1	2.242e-1	-0.228	14.009	1.296e-1	1.391e-1	0.391	14.171	1.726e-3	3.858e-3																				
<b>FN1305</b> AAL95501.1   Hypothetical cytosolic protein	0.390	11.020	1.948e-3	1.24e-3	-0.035	10.780	1.491e-1	9.309e-1	-0.462	9.965	2.969e-2	1.419e-1	-0.851	10.558	1.935e-2	2.027e-2	-0.424	11.170	1.855e-1	2.762e-1	-0.427	10.319	8.954e-2	4.254e-1																				
<b>FN1306</b> AAL95502.1   Methyltransferase	0.930	14.022			1.030	14.306	2.074e-3	7.116e-3	-1.696	11.192	1.299e-5	4.587e-6	-2.626	12.326			0.100	15.236			-2.726	12.610	7.839e-4	1.4e-3																				
<b>FN1309</b> AAL95505.1   Hypothetical protein	-1.262	15.446	2.089e-3	1.378e-3	-1.337	15.556	2.779e-4	5.794e-4	0.143	16.647	2.402e-2	1.11e-1	1.405	15.589	4.227e-4	6.75e-5	-0.074	14.294	3.691e-1	7.639e-1	1.479	15.699	4.567e-5	3.076e-5																				
<b>FN1311</b> AAL95507.1   Biopolymer transport exbD protein																																												
<b>FN1312</b> AAL95508.1   Biopolymer transport exbB protein																																												
<b>FN1313</b> AAL95509.1   Oligopeptide-binding protein oppA	-0.725	12.654	8.857e-4	3.897e-4	-0.678	12.885	1.501e-4	2.691e-4	-0.522	12.653	1.252e-2	5.31e-2	0.203	12.132	1.645e-1	4.536e-1	0.047	12.160	3.583e-1	7.289e-1	0.157	12.363	1.121e-1	5.463e-1																				
<b>FN1315</b> AAL95511.1   Hypothetical protein					-0.215	6.145																																						
<b>FN1317</b> AAL95513.1   RNA polymerase sigma factor	-0.425	7.763	6.64e-2	1.333e-1	-0.766	7.607	6.868e-4	1.857e-3									-0.341	7.182	1.95e-1	3.013e-1																								
<b>FN1318</b> AAL95514.1   RNA polymerase sigma factor rpoD	-0.535	10.215	1.379e-2	1.671e-2	-0.955	9.979	9.638e-4	2.849e-3	-0.272	10.274	9.167e-3	3.726e-2	0.262	9.943	8.204e-2	1.617e-1	-0.420	9.445	1.354e-1	1.52e-1	0.683	9.707	7.783e-3	2.606e-2																				
<b>FN1319</b> AAL95515.1   DNA primase	-0.561	7.146	7.728e-3	8.256e-3	0.640	8.531	4.834e-2	2.689e-1	-0.848	6.655	8.414e-4	1.916e-3	-0.286	6.298	7.803e-2	1.504e-1	1.201	7.970	1.214e-1	1.221e-1	-1.487	7.683	2.276e-2	9.15e-2																				

Show detected proteins only

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GO: amino acid transport

Proteins found: 1424

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q-Value .005

p-Value

Dot Plots

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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

FnPg vs Fn —

FnPgSg vs Fn —

FnSg vs FnPg —

FnSg vs Fn —

FnPgSg vs FnPg —

FnPgSg vs FnSg —



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1341</b>	-0.268	7.438			-0.459	7.432	2.206e-3	7.673e-3	0.410	7.913	2.967e-2	1.418e-1	0.678	7.848			-0.191	7.163			0.869	7.842	9.887e-3	3.455e-2												
	AAL95537.1   Bacterial Peptide Chain Release Factor 2 (RF-2)																																			
<b>FN1343</b>	1.511	9.473			0.735	8.881											-0.776	10.392																		
	AAL95539.1   seC-independent protein TATD																																			
<b>FN1345</b>																																				
	AAL95541.1   2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate hydrolase																																			
<b>FN1346</b>																	1.590	6.945																		
	AAL95542.1   Hypothetical cytosolic protein																																			
<b>FN1347</b>	-1.806	7.591	1.867e-3	1.164e-3	-2.035	7.547	5.083e-4	1.254e-3	-1.168	8.025	8.866e-4	2.047e-3	0.638	6.423	1.853e-3	6.23e-4	-0.229	5.740	6.766e-2	3.884e-2	0.867	6.378	5.785e-4	9.184e-4												
	AAL95543.1   Hypothetical cytosolic protein																																			
<b>FN1348</b>	-1.177	8.158	1.437e-2	1.76e-2	0.261	9.781	3.153e-2	1.691e-1	-0.313	8.818	1.086e-1	6.168e-1	0.864	7.845	1.433e-1	3.773e-1	1.438	8.604	2.334e-2	5.951e-3	-0.574	9.468	7.142e-2	3.322e-1												
	AAL95544.1   ABC transporter ATP-binding protein																																			
<b>FN1349</b>	-2.532	8.146			-2.175	8.687	1.369e-4	2.374e-4	-2.237	8.237							0.295	5.909			0.357	6.156			-0.062	6.451										
	AAL95545.1   ABC transporter permease protein																																			
<b>FN1351</b>	-0.416	11.067	8.498e-2	1.841e-1	-0.432	11.235	3.188e-2	1.711e-1	-1.101	10.178	6.715e-3	2.589e-2	-0.686	9.966	2.08e-2	2.244e-2	-0.016	10.820	4.085e-1	9.017e-1	-0.670	10.134	7.207e-3	2.367e-2												
	AAL95547.1   15 kDa lipoprotein precursor																																			
<b>FN1352</b>	-0.521	11.686	3.2e-3	2.46e-3	-0.474	11.918	3.852e-3	1.541e-2	-0.191	11.812	1.493e-2	6.484e-2	0.330	11.495	1.903e-2	1.981e-2	0.047	11.397	3.625e-1	7.424e-1	0.283	11.727	1.938e-2	7.597e-2												
	AAL95548.1   ABC transporter ATP-binding protein																																			
<b>FN1353</b>	-0.149	7.764			-0.205	7.892	1.059e-1	6.293e-1	-0.576	7.133	5.372e-2	2.804e-1	-0.427	7.188			-0.056	7.743			-0.371	7.316	5.968e-2	2.716e-1												
	AAL95549.1   ABC transporter permease protein																																			
<b>FN1354</b>	-0.116	10.024			-0.699	9.626	3.802e-3	1.516e-2	-0.511	9.426	7.899e-3	3.126e-2	-0.395	9.513			-0.583	9.510			0.188	9.115	7.149e-2	3.325e-1												
	AAL95550.1   ABC transporter permease protein																																			
<b>FN1355</b>									-1.125	4.295																										
	AAL95551.1   Integral membrane protein																																			
<b>FN1358</b>													-0.327	10.843			-0.455	10.899			0.128	10.572	1.125e-1	5.481e-1												
	AAL95554.1   Hypothetical protein																																			
<b>FN1359</b>	1.675	16.313	6.126e-2	1.195e-1	2.297	17.119	1.388e-3	4.424e-3	-0.764	13.669	1.43e-3	3.94e-3	-2.440	15.548	5.137e-2	8.292e-2	0.621	18.794	1.536e-1	1.993e-1	-3.061	16.354	1.608e-3	3.526e-3												
	AAL95555.1   Dipeptide-binding protein																																			
<b>FN1362</b>																	0.703	12.295	7.088e-2	4.238e-2																
	AAL95558.1   Dipeptide transport ATP-binding protein dppD																																			
<b>FN1363</b>	1.759	8.809	3.939e-2	6.462e-2	2.705	9.941	2.934e-4	6.228e-4	-1.279	5.568	1.554e-2	6.78e-2	-3.037	7.531	3.106e-2	4.001e-2	0.947	11.699	5.358e-2	2.605e-2	-3.984	8.662	7.381e-4	1.288e-3												
	AAL95559.1   Dipeptide transport ATP-binding protein dppF																																			
<b>FN1364</b>	-1.345	12.067							-0.834	12.373	1.019e-3	2.451e-3	0.510	11.233																						
	AAL95560.1   LSU ribosomal protein L32P																																			

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1365</b>	-0.595	14.347	8.129e-2	1.736e-1	0.155	15.281	6.373e-2	3.617e-1	0.213	14.951	5.136e-3	1.885e-2	0.808	14.560	4.973e-2	7.89e-2	0.750	14.686	1.07e-1	9.628e-2	0.059	15.494	1.367e-1	6.849e-1												
	AAL95561.1   GTP-binding protein																																			
<b>FN1366</b>	-0.402	15.015	2.211e-2	3.071e-2	-0.778	14.823	8.148e-4	2.328e-3	0.931	16.145	5.722e-5	4.925e-5	1.333	15.947	1.247e-4	1.386e-5	-0.376	14.422	1.007e-1	8.614e-2	1.709	15.755	1.438e-5	5.293e-6												
	AAL95562.1   Triosephosphate isomerase																																			
<b>FN1368</b>																																				
	AAL95564.1   COMF operon protein 3																																			
<b>FN1371</b>																	0.230	4.414																		
	AAL95567.1   Ribonuclease HII																																			
<b>FN1373</b>																																				
	AAL95569.1   regulatory protein																																			
<b>FN1374</b>	-0.919	6.534			-0.819	6.819			-0.455	6.795			0.464	6.079			0.100	5.900			0.364	6.364														
	AAL95570.1   Transcriptional regulator																																			
<b>FN1375</b>	1.676	11.582			0.467	10.557	2.935e-2	1.562e-1	-0.308	9.394	4.839e-3	1.754e-2	-1.984	11.274			-1.210	12.234			-0.775	10.249	1.654e-2	6.324e-2												
	AAL95571.1   Citrate-sodium symport																																			
<b>FN1376</b>	-0.022	18.502	2.977e-1	9.453e-1	0.702	19.411	1.056e-2	4.97e-2	-1.002	17.319	3.112e-4	5.309e-4	-0.980	17.500	5.701e-2	9.735e-2	0.724	19.389	8.708e-2	6.465e-2	-1.704	18.409	3.514e-3	9.385e-3												
	AAL95572.1   Oxaloacetate decarboxylase alpha chain																																			
<b>FN1377</b>																																				
	AAL95573.1   CITG protein																																			
<b>FN1378</b>	-0.796	9.834	7.855e-2	1.658e-1	-0.568	10.247			-0.500	9.927	1.515e-3	4.27e-3	0.296	9.334	2.048e-1	6.171e-1	0.229	9.451			0.068	9.747														
	AAL95574.1   Citrate lyase acyl carrier protein																																			
<b>FN1379</b>	0.395	15.728	2.098e-1	5.92e-1	0.954	16.471	1.937e-5	1.573e-5	-0.144	14.985	3.171e-2	1.534e-1	-0.539	15.584	1.748e-1	4.929e-1	0.559	16.866	2.039e-1	3.218e-1	-1.098	16.327	2.599e-5	1.329e-5												
	AAL95575.1   Citrate lyase beta chain																																			
<b>FN1380</b>	0.460	17.821	2.113e-1	5.973e-1	0.865	18.410	1.552e-2	7.749e-2	-0.006	17.151	1.519e-1	9.066e-1	-0.467	17.815	1.994e-1	5.936e-1	0.404	18.871	3.009e-1	5.619e-1	-0.871	18.404	1.935e-2	7.586e-2												
	AAL95576.1   Citrate lyase beta chain																																			
<b>FN1381</b>									-0.293	4.178																										
	AAL95577.1   unknown																																			
<b>FN1382</b>																	-0.985	6.600																		
	AAL95578.1   ATPase																																			
<b>FN1383</b>													-1.428	4.802			0.715	7.130	9.362e-2	7.579e-2	-2.143	5.701														
	AAL95579.1   DNA polymerase III alpha subunit																																			
<b>FN1385</b>	-1.567	4.737			0.228	6.718	1.125e-1	6.736e-1									1.796	5.150																		
	AAL95581.1   Hypothetical protein																																			
<b>FN1386</b>	0.648	6.271			1.846	7.654	2.145e-3	7.413e-3	1.058	6.478	6.956e-3	2.696e-2	0.411	7.330			1.199	8.302			-0.788	8.713	1.139e-2	4.104e-2												
	AAL95582.1   SWF/SNF family helicase																																			

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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

FnPg vs Fn — — FnSg vs Fn  
 FnPgSg vs FnPg — — FnPgSg vs FnPg  
 FnSg vs FnPg — — FnPgSg vs FnSg



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1391</b>	-1.043	12.722	2.913e-3	2.15e-3	-1.705	12.244	3.054e-4	6.578e-4	-1.264	12.297	8.207e-4	1.858e-3	-0.221	11.457	1.331e-1	3.396e-1	-0.662	11.201	7.426e-2	4.638e-2	0.441	10.980	2.531e-2	1.029e-1												
AAL95584.1   Acetyltransferase																																				
<b>FN1392</b>	-0.672	14.866	9.864e-2	2.232e-1	-1.845	13.878	1.15e-8	1.589e-10	-0.204	15.130	3.254e-3	1.087e-2	0.468	14.662	1.487e-1	3.967e-1	-1.173	13.206	1.734e-1	2.466e-1	1.640	13.674	9.612e-5	8.249e-5												
AAL95585.1   SSU ribosomal protein S16P																																				
<b>FN1393</b>	-2.009	9.995	1.006e-3	4.741e-4	-0.634	11.554	1.046e-3	3.141e-3	-1.034	10.766	3.196e-4	5.504e-4	0.974	8.961	3.775e-2	5.309e-2	1.375	9.546	3.124e-2	9.79e-3	-0.400	10.520	1.032e-2	3.637e-2												
AAL95586.1   Signal recognition particle, subunit FFH/SRP54																																				
<b>FN1397</b>	-1.469	13.773	4.132e-3	3.477e-3	-1.981	13.445	3.795e-6	1.258e-6	-0.464	14.574	8.85e-3	3.573e-2	1.005	13.309	1.533e-2	1.465e-2	-0.513	11.976	1.751e-1	2.505e-1	1.517	12.981	2.961e-3	7.552e-3												
AAL95590.1   Glutaminase																																				
<b>FN1398</b>	-1.087	12.699	3.05e-2	4.617e-2	-1.505	12.465	3.555e-3	1.391e-2	0.635	14.217	5.686e-3	2.129e-2	1.722	13.334	9.724e-3	7.22e-3	-0.419	11.378	2.868e-1	5.25e-1	2.140	13.100	2.006e-7	1.127e-8												
AAL95591.1   Amino acid carrier protein alST																																				
<b>FN1399</b>																																				
AAL95592.1   Hypothetical cytosolic protein																																				
<b>FN1400</b>													1.437	5.097																						
AAL95593.1   serine/threonine kinase																																				
<b>FN1406</b>	0.209	11.969	2.406e-1	7.065e-1	0.273	12.219	1.037e-2	4.869e-2	-0.021	11.536	1.483e-1	8.813e-1	-0.229	11.949	2.214e-1	6.816e-1	0.065	12.427	4.069e-1	8.956e-1	-0.294	12.198	1.098e-2	3.923e-2												
AAL95599.1   Histidine ammonia-lyase																																				
<b>FN1407</b>	1.487	8.513			1.445	8.655	9.711e-3	4.519e-2	0.617	7.439	6.913e-2	3.709e-1	-0.870	9.130			-0.042	10.142			-0.828	9.272	3.635e-2	1.551e-1												
AAL95600.1   Glutamate formiminotransferase																																				
<b>FN1411</b>	1.414	15.743	2.48e-2	3.551e-2	2.355	16.868	1.15e-8	1.52e-10	0.339	14.464	4.53e-2	2.315e-1	-1.075	16.082	3.508e-2	4.799e-2	0.940	18.282	3.584e-2	1.251e-2	-2.016	17.207	1.444e-4	1.406e-4												
AAL95604.1   Threonine dehydratase																																				
<b>FN1412</b>																	-1.714	8.023																		
AAL95605.1   5-methylthioribose kinase																																				
<b>FN1413</b>													-2.089	5.463			-1.868	5.868			-0.221	3.779														
AAL95606.1   Translation initiation factor EIF-2B subunit 1																																				
<b>FN1415</b>																	0.144	7.257																		
AAL95608.1   NADH-dependent butanol dehydrogenase A																																				
<b>FN1416</b>													-2.338	6.832			-2.677	6.677			0.339	4.339														
AAL95609.1   Transcriptional regulator, GntR family																																				
<b>FN1417</b>	1.041	5.824			0.839	5.807			0.032	4.612			-1.009	5.856			-0.201	6.848	2.65e-1	4.708e-1	-0.807	5.839														
AAL95610.1   L-fucose phosphate aldolase																																				
<b>FN1418</b>	-0.352	4.431			-0.696	4.271											-0.344	3.919																		
AAL95611.1   Transcriptional regulator, GntR family																																				
<b>FN1419</b>	3.256	21.695	2.928e-2	4.378e-2	2.422	21.045	1.67e-3	5.504e-3	2.033	20.268	1.133e-6	1.531e-7	-1.223	23.727	6.688e-2	1.213e-1	-0.834	24.301	1.532e-1	1.982e-1	-0.389	23.078	3.057e-2	1.273e-1												
AAL95612.1   Methionine gamma-lyase																																				

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Test Cutoff

q-Value .005

p-Value

Dot Plots

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

FnPg vs Fn — — FnSg vs Fn  
 FnPgSg vs Fn — — FnPgSg vs FnPg  
 FnSg vs FnPg — — FnPgSg vs FnSg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1449</b>	-3.578	15.303	3.516e-7	7.114e-9	-4.909	14.158	5.988e-6	2.575e-6	-1.634	17.044	1.317e-4	1.608e-4	1.945	13.670	8.015e-3	5.339e-3	-1.330	10.579	6.598e-2	3.709e-2	3.275	12.524	2.129e-3	4.994e-3												
AAL95642.1   Fusobacterium outer membrane protein family																																				
<b>FN1450</b>	-0.451	8.791			0.525	9.952			-1.110	7.929	2.511e-7	1.888e-8	-0.659	7.681			0.976	9.500			-1.635	8.842														
AAL95643.1   Integral membrane protein																																				
<b>FN1451</b>	-0.039	14.819	7.148e-2	1.465e-1	0.586	15.628	1.133e-4	1.837e-4	-0.363	14.291	5.929e-3	2.236e-2	-0.324	14.456	2.679e-2	3.221e-2	0.625	15.589	2.416e-3	1.684e-4	-0.949	15.265	1.036e-4	9.063e-5												
AAL95644.1   Cell division protein ftsZ																																				
<b>FN1452</b>	0.036	13.611	2.74e-1	8.416e-1	0.362	14.120	6.061e-3	2.585e-2	-0.615	12.755	3.825e-3	1.319e-2	-0.652	12.996	1.991e-2	2.109e-2	0.325	14.157	8.838e-2	6.682e-2	-0.977	13.505	2.168e-4	2.45e-4												
AAL95645.1   Cell division protein ftsA																																				
<b>FN1454</b>	-0.702	9.486			-0.589	9.784	4.074e-2	2.233e-1	-0.302	9.682	5.884e-3	2.216e-2	0.400	9.184			0.113	9.082			0.287	9.481	1.131e-1	5.516e-1												
AAL95647.1   D-alanine--D-alanine ligase																																				
<b>FN1455</b>	0.157	8.630	1.9e-1	5.228e-1	-0.013	8.644	1.432e-1	8.879e-1	-0.511	7.759	2.654e-2	1.245e-1	-0.668	8.119	5.658e-2	9.629e-2	-0.170	8.801	2.695e-1	4.816e-1	-0.498	8.134	3.193e-2	1.337e-1												
AAL95648.1   UDP-N-acetylenolpyruvoylglucosamine reductase																																				
<b>FN1456</b>	-0.507	11.985	4.608e-3	4.063e-3	-0.316	12.360	2.725e-3	9.948e-3	-0.648	11.640	7.203e-4	1.583e-3	-0.141	11.337	1.179e-1	2.831e-1	0.191	11.853	6.143e-2	3.269e-2	-0.332	11.712	1.046e-2	3.699e-2												
AAL95649.1   UDP-N-acetylmuramate--alanine ligase																																				
<b>FN1457</b>	-0.631	11.388	8.193e-2	1.755e-1	-0.428	11.775	2.24e-2	1.161e-1	-1.513	10.302	3.401e-6	6.872e-7	-0.882	9.875	1.051e-1	2.38e-1	0.203	11.144	3.468e-1	6.931e-1	-1.085	10.262	1.183e-2	4.286e-2												
AAL95650.1   UDP-N-acetylglucosamine-N-acetylmuramyl-Pentapeptide pyrophosphoryl-undecaprenol N-acetylglucosamine transferase																																				
<b>FN1458</b>	0.050	12.577	2.882e-1	9.029e-1	-0.350	12.361	2.451e-2	1.28e-1	-0.832	11.491	4.331e-5	3.325e-5	-0.882	11.745	8.629e-2	1.743e-1	-0.401	12.411	2.487e-1	4.318e-1	-0.481	11.529	2.93e-2	1.213e-1												
AAL95651.1   UDP-N-acetylmuramoylalanine--D-glutamate ligase																																				
<b>FN1459</b>																																				
AAL95652.1   Phospho-N-acetylmuramoyl-pentapeptide-transferase																																				
<b>FN1461</b>	-0.759	10.290	5.368e-8	4.345e-10	-1.210	10.023	5.029e-3	2.083e-2	-1.278	9.567	2.113e-4	3.16e-4	-0.519	9.012	1.223e-2	1.024e-2	-0.451	9.264	1.945e-1	2.999e-1	-0.068	8.745	1.704e-1	8.883e-1												
AAL95654.1   Histidinol-phosphatase																																				
<b>FN1462</b>																																				
AAL95655.1   Transcriptional regulator, GntR family																																				
<b>FN1463</b>	0.182	16.609	1.215e-1	2.9e-1	0.404	17.015	5.54e-5	7.014e-5	0.642	16.865	5.185e-5	4.321e-5	0.460	17.251	2.016e-2	2.146e-2	0.222	17.197	1.422e-1	1.686e-1	0.238	17.657	9.733e-4	1.869e-3												
AAL95656.1   pyridoxine biosynthesis protein																																				
<b>FN1464</b>	-0.124	15.788	2.528e-1	7.543e-1	0.524	16.620	6.288e-5	8.419e-5	-0.738	14.970	2.936e-4	4.909e-4	-0.614	15.050	1.163e-1	2.776e-1	0.648	16.496	1.192e-1	1.179e-1	-1.262	15.882	8.35e-6	2.115e-6												
AAL95657.1   1-deoxyxylulose-5-phosphate synthase																																				
<b>FN1470</b>	-2.269	10.228	3.663e-4	9.386e-5	-4.032	8.649	2.359e-4	4.691e-4	-0.032	12.261	1.353e-1	7.919e-1	2.237	10.196	2.787e-4	3.797e-5	-1.764	6.380	5.236e-2	2.485e-2	4.001	8.617	2.536e-4	3.074e-4												
AAL95663.1   Hypothetical protein																																				
<b>FN1471</b>					-1.987	5.952	7.154e-3	3.152e-2	-1.454	6.098											0.533	4.499														
AAL95664.1   LACI-family transcription regulator																																				
<b>FN1472</b>	-3.274	12.762	4.674e-4	1.384e-4	-3.429	12.792	4.04e-4	9.34e-4	-1.228	14.605	1.337e-3	3.577e-3	2.046	11.534	5.896e-3	3.207e-3	-0.154	9.518	3.807e-1	8.026e-1	2.200	11.564	1.217e-7	4.607e-9												
AAL95665.1   N-acetylneuraminate-binding protein																																				

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Test Cutoff

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no	n/a	bars
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FnPg vs Fn █ █

FnPgSg vs Fn █ █

FnSg vs FnPg █ █

FnPgSg vs FnSg █ █

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios										
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6
<b>FN1474</b>	AAL95667.1   N-acetylmannosamine kinase																																		
<b>FN1475</b>	-1.481	9.773	5.317e-3	4.94e-3	-2.397	9.041			0.996	12.046	9.879e-4	2.354e-3	2.477	10.769	6.392e-4	1.253e-4	-0.916	7.560			3.394	10.037													
	AAL95668.1   N-acetylneuraminate lyase																																		
<b>FN1476</b>									-0.949	7.937	1.144e-7	4.624e-9																							
	AAL95669.1   N-acetylmannosamine-6-phosphate 2-epimerase																																		
<b>FN1478</b>									-0.894	8.153							-0.235	8.996			-0.659	8.102													
	AAL95671.1   Hypothetical protein																																		
<b>FN1479</b>	-0.899	9.593	1.151e-2	1.341e-2	-0.758	9.918	2.551e-4	5.183e-4	-0.809	9.479	2.012e-3	6.102e-3	0.090	8.784	2.494e-1	7.965e-1	0.140	9.019	3.305e-1	6.446e-1	-0.050	9.109	1.613e-1	8.319e-1											
	AAL95672.1   Hypothetical protein																																		
<b>FN1480</b>	-0.025	8.554	2.755e-1	8.479e-1	0.738	9.502	6.281e-4	1.649e-3	-1.505	6.871	1.481e-3	4.139e-3	-1.480	7.050	3.565e-3	1.595e-3	0.763	9.477	5.914e-3	7.434e-4	-2.243	7.997	3.816e-5	2.332e-5											
	AAL95673.1   MG2+ transporter MGTE																																		
<b>FN1481</b>	0.921	6.728	7.301e-3	7.657e-3	0.319	6.311	1.055e-1	6.27e-1	-0.802	4.802			-1.722	5.926			-0.602	7.232	1.709e-1	2.403e-1	-1.121	5.509													
	AAL95674.1   Queuine tRNA-ribosyltransferase																																		
<b>FN1482</b>	-0.212	11.556	1.174e-1	2.775e-1	0.667	12.619	3.33e-3	1.279e-2	-1.728	9.836	1.616e-3	4.647e-3	-1.516	9.828	1.034e-4	8.913e-6	0.879	12.407	3.005e-2	9.148e-3	-2.395	10.891	8.523e-4	1.576e-3											
	AAL95675.1   Guanosine-3',5'-bis(Diphosphate) 3'-pyrophosphohydrolase																																		
<b>FN1483</b>	-0.713	10.454	9.174e-4	4.111e-4	-1.057	10.294	1.05e-4	1.663e-4	0.263	11.227	1.932e-3	5.818e-3	0.976	10.717	9.76e-5	7.935e-6	-0.344	9.581	4.053e-2	1.54e-2	1.321	10.557	9.241e-6	2.527e-6											
	AAL95676.1   Adenine phosphoribosyltransferase																																		
<b>FN1484</b>					-0.972	6.825	5.444e-3	2.281e-2	-0.856	6.553	8.42e-3	3.369e-2									0.116	5.969	1.375e-1	6.898e-1											
	AAL95677.1   Tetratricopeptide repeat family protein																																		
<b>FN1485</b>																																			
	AAL95678.1   Transporter																																		
<b>FN1486</b>					-0.572	5.216			-0.555	4.844	4.252e-3	1.502e-2									0.017	4.661													
	AAL95679.1   magnesium and cobalt efflux protein CorC																																		
<b>FN1487</b>	-1.415	14.595	4.163e-3	3.513e-3	-0.972	15.222	1.898e-6	4.186e-7	-0.519	15.287	6.114e-3	2.319e-2	0.896	14.076	2.117e-2	2.301e-2	0.443	13.807	1.471e-1	1.82e-1	0.453	14.703	2.011e-2	7.932e-2											
	AAL95681.1   Chorismate mutase																																		
<b>FN1488</b>													-0.722	8.073	9.775e-2	2.114e-1	-0.402	8.577			-0.320	7.855													
	AAL95682.1   Methylenetetrahydrofolate dehydrogenase (NADP+)																																		
<b>FN1489</b>	-0.585	9.086	2.168e-2	2.997e-2	-0.369	9.486	1.483e-2	7.364e-2	-1.776	7.690	5.003e-4	1.001e-3	-1.192	7.310	1.698e-2	1.695e-2	0.216	8.901	1.864e-1	2.785e-1	-1.407	7.710	2.615e-3	6.485e-3											
	AAL95683.1   Methionyl-tRNA formyltransferase																																		
<b>FN1490</b>	0.744	7.459	5.827e-2	1.111e-1	1.571	8.471	6.866e-3	2.999e-2	-0.449	6.063			-1.192	7.011			0.828	9.215	1.076e-1	9.738e-2	-2.020	8.023													
	AAL95684.1   putative regulatory protein																																		
<b>FN1491</b>	-1.070	7.713			-0.293	8.675											0.777	7.605																	
	AAL95685.1   PTS system, IIA component																																		

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Proteins found: 1424

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FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs FnPg — █ — FnPgSg vs FnPg  
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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1492</b>	AAL95686.1   DNA repair protein recO																																			
<b>FN1493</b>	-1.101	7.965	1.442e-2	1.768e-2	-2.101	7.150	2.027e-3	6.924e-3									-1.000	6.049	8.03e-3	1.268e-3																
	AAL95687.1   Hypothetical protein																																			
<b>FN1494</b>	-1.569	8.212			-1.536	8.430	4.557e-4	1.088e-3	-1.044	8.533	8.809e-7	1.048e-7	0.525	7.169			0.033	6.861			0.492	7.386	2.162e-2	8.641e-2												
	AAL95680.1   Rod shape-determining protein mreC																																			
<b>FN1496</b>	-1.569	8.212			-1.536	8.430	4.557e-4	1.088e-3	-1.044	8.533	8.809e-7	1.048e-7	0.525	7.169			0.033	6.861			0.492	7.386	2.162e-2	8.641e-2												
	AAL95680.1   Rod shape-determining protein mreC																																			
<b>FN1499</b>	-0.356	11.888	1.919e-1	5.294e-1	-1.628	10.800	8.446e-4	2.429e-3	0.793	12.833	1.634e-3	4.711e-3	1.149	12.680	3.316e-2	4.413e-2	-1.272	10.444	1.659e-1	2.285e-1	2.421	11.593	8.024e-4	1.446e-3												
	AAL93625.1   Cell surface protein																																			
<b>FN1501</b>	AAL93627.1   Nickel transport ATP-binding protein nikD																																			
<b>FN1504</b>	-1.567	13.803	5.632e-5	5.926e-6	-0.873	14.681	3.772e-3	1.5e-2	-0.874	14.292	9.725e-5	1.044e-4	0.693	12.929	7.972e-3	5.287e-3	0.694	13.114	1.224e-1	1.242e-1	-0.001	13.807	1.875e-1	9.983e-1												
	AAL93630.1   Nickel-binding protein																																			
<b>FN1505</b>	-0.020	16.220	2.836e-1	8.827e-1	-0.463	15.961	1.136e-3	3.469e-3	-0.776	15.260	2.495e-4	3.975e-4	-0.756	15.444	1.474e-2	1.372e-2	-0.443	15.941	6.778e-2	3.897e-2	-0.313	15.185	1.25e-2	4.571e-2												
	AAL93631.1   6,7-dimethyl-8-ribityllumazine synthase																																			
<b>FN1506</b>	0.684	7.889			-0.525	6.865			0.717	7.719			0.033	8.606	2.755e-1	9.117e-1	-1.209	7.549			1.242	7.582														
	AAL93632.1   Diaminohydroxyphosphoribosylaminopyrimidine deaminase																																			
<b>FN1507</b>	AAL93633.1   Riboflavin synthase alpha chain																																			
<b>FN1508</b>	0.227	13.127	1.712e-1	4.533e-1	-0.566	12.519	1.493e-2	7.418e-2	0.624	13.320	1.54e-4	1.998e-4	0.397	13.751	7.947e-2	1.544e-1	-0.792	12.746	1.003e-1	8.55e-2	1.190	13.143	2.274e-3	5.431e-3												
	AAL93634.1   GTP cyclohydrolase II																																			
<b>FN1512</b>									-1.700	5.249	5.512e-4	1.129e-3																								
	AAL93638.1   hypothetical exported 24-amino acid repeat protein																																			
<b>FN1517</b>	-0.545	15.824	4.167e-2	6.973e-2	-0.956	15.597	5.742e-4	1.469e-3	-0.240	15.926	1.464e-2	6.337e-2	0.306	15.584	1.128e-1	2.654e-1	-0.411	15.052	1.736e-1	2.47e-1	0.717	15.358	4.067e-5	2.59e-5												
	AAL93643.1   Leucyl-tRNA synthetase																																			
<b>FN1518</b>					-0.740	5.910																														
	AAL93644.1   RNA polymerase sigma-H factor																																			
<b>FN1519</b>	-0.956	8.357			-0.504	8.993	1.798e-3	6.002e-3	-0.052	9.057	8.335e-2	4.58e-1	0.904	8.305			0.452	8.038			0.452	8.942	2.137e-3	5.019e-3												
	AAL93645.1   23S rRNA methyltransferase																																			
<b>FN1520</b>	-1.151	10.981	2.418e-2	3.44e-2	-1.051	11.266	4.193e-5	4.721e-5	0.821	12.750	1.369e-3	3.704e-3	1.973	11.802	1.938e-3	6.702e-4	0.100	10.114	3.942e-1	8.496e-1	1.873	12.087	3.96e-4	5.496e-4												
	AAL93646.1   UDP-N-acetylglucosamine 1-carboxyvinyltransferase																																			
<b>FN1521</b>	AAL93647.1   Dipeptide transport system permease protein dppB																																			

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 FnSg vs FnPg — █ — FnPgSg vs FnSg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios									
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4
<b>FN1545</b>	2.272	11.903	7.697e-2	1.614e-1	0.334	10.149	2.383e-2	1.242e-1	-0.225	9.202	7.222e-2	3.895e-1	-2.497	11.678	7.813e-2	1.507e-1	-1.939	12.421	1.475e-1	1.832e-1	-0.558	9.924	5.84e-3	1.832e-2	AAL93671.1   Ferredoxin like protein									
<b>FN1546</b>	1.071	20.811	7.679e-2	1.609e-1	<b>0.545</b>	20.470	5.559e-4	1.409e-3	<b>0.606</b>	20.143	2.58e-4	4.147e-4	-0.465	21.417	1.501e-1	4.019e-1	-0.526	21.541	2.201e-1	3.6e-1	0.061	21.076	7.716e-2	3.617e-1	AAL93672.1   Protein Translation Elongation Factor G (EF-G)									
<b>FN1547</b>	-0.720	14.595	5.234e-3	4.838e-3	<b>-0.863</b>	14.636	2.552e-5	2.31e-5	<b>-0.316</b>	14.795	3.208e-5	1.915e-5	0.404	14.279	2.769e-2	3.382e-2	-0.143	13.916	2.21e-1	3.623e-1	<b>0.547</b>	14.320	3.02e-4	3.895e-4	AAL93673.1   PTS permease for N-acetylglucosamine and glucose									
<b>FN1548</b>	<b>-0.490</b>	10.041	8.847e-4	3.888e-4	-0.370	10.345	7.522e-2	4.322e-1	0.477	10.804	3.204e-2	1.553e-1	0.967	10.518	3.4e-2	4.586e-2	0.120	9.855	3.86e-1	8.207e-1	0.847	10.823	2.627e-2	1.073e-1	AAL93674.1   Hypothetical protein									
<b>FN1549</b>	-0.602	19.011	6.144e-3	6.014e-3	-0.254	19.544	4.367e-2	2.407e-1	<b>0.343</b>	19.753	2.978e-3	9.795e-3	<b>0.945</b>	19.354	1.889e-3	6.427e-4	0.348	18.942	1.557e-1	2.042e-1	0.597	19.887	7.166e-3	2.351e-2	AAL93675.1   Stomatin like protein									
<b>FN1552</b>	-1.922	5.922			-0.844	7.184											1.078	5.262							AAL93678.1   abortive phage resistance protein									
<b>FN1553</b>	<b>-1.121</b>	7.900	2.257e-3	1.526e-3	-0.142	9.062	1.157e-1	6.955e-1	-0.038	8.779	1.476e-1	8.762e-1	1.083	7.862	2.959e-2	3.729e-2	0.978	7.942	1.243e-1	1.279e-1	0.105	9.025	1.563e-1	8.012e-1	AAL93679.1   abortive phage resistance protein									
<b>FN1554</b>	<b>-0.887</b>	16.740	1.18e-3	6.182e-4	<b>-1.338</b>	16.473	1.007e-4	1.577e-4	<b>-0.953</b>	16.471	3.379e-4	5.945e-4	-0.065	15.787	2.053e-1	6.193e-1	-0.451	15.586	8.303e-2	5.837e-2	0.386	15.521	2.281e-2	9.171e-2	AAL93680.1   Fusobacterium outer membrane protein family									
<b>FN1555</b>	-0.096	23.668	1.81e-2	2.377e-2	0.072	24.020	1.043e-2	4.901e-2	<b>0.494</b>	24.054	7.898e-6	2.287e-6	<b>0.590</b>	24.162	3.299e-5	1.409e-6	<b>0.168</b>	23.924	2.456e-3	1.746e-4	<b>0.422</b>	24.514	3.167e-5	1.753e-5	AAL93681.1   Protein Translation Elongation Factor Tu									
<b>FN1556</b>	<b>-0.929</b>	20.112	1.178e-3	6.165e-4	<b>-1.342</b>	19.883	4.77e-4	1.154e-3	0.097	20.934	2.3e-2	1.057e-1	<b>1.026</b>	20.209	1.398e-4	1.616e-5	-0.413	18.954	9.26e-2	7.395e-2	<b>1.439</b>	19.980	9.46e-5	8.076e-5	AAL93682.1   Protein Translation Elongation Factor G (EF-G)									
<b>FN1557</b>	<b>0.863</b>	<b>13.989</b>	7.109e-7	1.726e-8	<b>0.505</b>	13.816	6.96e-5	9.795e-5	<b>2.045</b>	14.967	9.541e-5	1.014e-4	<b>1.182</b>	16.033	9.898e-4	2.369e-4	<b>-0.358</b>	14.678	1.171e-3	4.066e-5	<b>1.540</b>	15.860	1.154e-4	1.039e-4	AAL93683.1   SSU ribosomal protein S7P									
<b>FN1558</b>													0.138	13.531											AAL93684.1   SSU ribosomal protein S12P									
<b>FN1560</b>	-0.560	13.953	1.565e-1	4.016e-1	<b>0.726</b>	15.424	1.205e-5	7.989e-6	<b>-0.656</b>	13.653	1.924e-4	2.739e-4	-0.096	13.297	2.736e-1	9.028e-1	1.286	14.864	8.326e-2	5.871e-2	<b>-1.383</b>	14.767	9.93e-6	2.895e-6	AAL93686.1   unknown									
<b>FN1562</b>	-1.156	6.793	8.204e-3	8.941e-3	-0.144	7.989	2.775e-2	1.468e-1	-1.550	6.194			-0.395	5.243			1.011	6.833	4.761e-2	2.068e-2	-1.406	6.438			AAL93688.1   Phospho-2-dehydro-3-deoxyheptonate aldolase									
<b>FN1576</b>																									AAL93691.1   ATPases and helicase subunits involved in DNA replication									
<b>FN1577</b>	0.437	15.288	1.17e-1	2.763e-1	<b>1.133</b>	16.169	4.636e-5	5.509e-5	-0.079	14.568	3.613e-2	1.788e-1	-0.517	15.208	1.011e-1	2.234e-1	0.696	16.606	7.488e-2	4.715e-2	<b>-1.213</b>	16.089	2.63e-4	3.247e-4	AAL93692.1   Rod shape-determining protein mreB									
<b>FN1579</b>	-0.033	12.799	2.884e-1	9.037e-1	0.259	13.276	1.429e-2	7.063e-2	<b>-0.459</b>	12.170	4.335e-3	1.539e-2	-0.425	12.341	1.029e-1	2.3e-1	0.292	13.243	1.894e-1	2.863e-1	<b>-0.718</b>	12.817	1.064e-3	2.105e-3	AAL93694.1   CysteinyI-tRNA synthetase									

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

FnPg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnSg vs Fn

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1580</b>					-1.373	4.543																														
	AAL933695.1   2-C-methyl-D-erythritol 4-phosphate cytidyltransferase																																			
<b>FN1581</b>	-0.576	10.825	1.57e-2	1.97e-2	0.409	11.994	2.001e-2	1.025e-1	-0.610	10.586	4.59e-3	1.647e-2	-0.035	10.214	2.59e-1	8.38e-1	0.985	11.419	3.48e-2	1.189e-2	-1.020	11.384	5.226e-3	1.589e-2												
	AAL933696.1   DNA mismatch repair protein mutS																																			
<b>FN1582</b>	0.608	8.310			0.568	8.455											-0.040	9.063																		
	AAL933697.1   Hypothetical protein																																			
<b>FN1586</b>																	-0.890	7.635																		
	AAL933701.1   O-succinylbenzoate-CoA synthase																																			
<b>FN1589</b>	-1.771	9.665	2.161e-3	1.443e-3	-0.798	10.823	3.784e-3	1.506e-2	-1.276	9.956	2.001e-3	6.064e-3	0.495	8.389	1.205e-1	2.925e-1	0.973	9.052	8.254e-2	5.765e-2	-0.478	9.546	2.575e-2	1.687e-3												
	AAL933704.1   LexA repressor																																			
<b>FN1590</b>																	-0.431	4.397																		
	AAL933705.1   Hypothetical lipoprotein																																			
<b>FN1591</b>	-0.869	15.690	1.049e-3	5.071e-4	-0.828	15.915	1.573e-3	5.135e-3	-0.438	15.917	1.34e-4	1.648e-4	0.431	15.252	1.435e-2	1.313e-2	0.041	15.046	3.943e-1	8.498e-1	0.390	15.478	1.912e-2	7.478e-2												
	AAL933706.1   RNFB-related protein																																			
<b>FN1592</b>													0.344	7.745			-1.208	6.378			1.552	6.722														
	AAL933707.1   Na(+)-translocating NADH-quinone reductase subunit D																																			
<b>FN1594</b>	-0.519	11.095	2.673e-2	3.9e-2	-0.772	11.027	3.114e-4	6.754e-4	0.815	12.225	3.051e-5	1.748e-5	1.334	11.910	2.603e-3	9.967e-4	-0.252	10.508	2.101e-1	3.36e-1	1.586	11.842	4.133e-5	2.661e-5												
	AAL933709.1   Nitrogen fixation protein RNFG																																			
<b>FN1595</b>	0.081	14.238	2.867e-1	8.961e-1	-0.390	13.951	3.337e-3	1.283e-2	0.443	14.395	9.011e-4	2.09e-3	0.361	14.681	1.798e-1	5.125e-1	-0.471	14.033	2.854e-1	5.215e-1	0.832	14.394	1.055e-4	9.263e-5												
	AAL933710.1   Na(+)-translocating NADH-quinone reductase subunit B																																			
<b>FN1596</b>	-0.888	19.764	2.767e-2	4.074e-2	-1.721	19.116	5.396e-5	6.761e-5	-0.538	19.910	1.288e-3	3.388e-3	0.350	19.226	1.36e-1	3.515e-1	-0.833	18.228	1.435e-1	1.721e-1	1.183	18.578	2.504e-4	3.016e-4												
	AAL933711.1   Nitrogen fixation iron-sulphur protein RNFC																																			
<b>FN1597</b>	0.789	8.764							-1.886	5.886			-2.674	6.878																						
	AAL933712.1   Peptidyl-tRNA hydrolase																																			
<b>FN1600</b>	0.594	6.325			-0.202	5.714											-0.796	6.307																		
	AAL933715.1   tRNA pseudouridine synthase A																																			
<b>FN1601</b>					0.726	5.694																														
	AAL933716.1   Hypothetical cytosolic protein																																			
<b>FN1602</b>																																				
	AAL933717.1   Hypothetical cytosolic protein																																			
<b>FN1603</b>	-2.122	7.031			-2.466	6.871	4.153e-4	9.665e-4	-1.777	7.171	2.058e-4	3.034e-4	0.345	5.253			-0.344	4.749			0.688	5.094	4.226e-2	1.843e-1												
	AAL933718.1   2',3'-cyclic nucleotide 3'-phosphodiesterase																																			
<b>FN1605</b>	-0.300	16.736	7.979e-2	1.693e-1	-0.305	16.915	9.648e-4	2.853e-3	-0.533	16.299	3.651e-4	6.636e-4	-0.233	16.203	1.305e-1	3.296e-1	-0.006	16.615	4.282e-1	9.776e-1	-0.227	16.382	1.356e-5	4.77e-6												
	AAL933720.1   Adenylosuccinate synthetase																																			

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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

FnSg vs Fn

FnPgSg vs FnPg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs FnPg				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																			
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6									
<b>FN1606</b>	-1.640	10.113	4.178e-4	1.15e-4	-0.891	11.047	8.397e-5	1.259e-4	-1.934	9.616	5.688e-6	1.373e-6	-0.294	8.179	1.352e-1	3.481e-1	0.749	9.406	4.704e-2	2.022e-2	-1.043	9.113	2.985e-4	3.836e-4																				
	AAL93721.1   3-deoxy-D-manno-octulosonic-acid transferase																																											
<b>FN1607</b>	-0.404	8.668	4.08e-2	6.775e-2	-0.342	8.914	5.076e-2	2.837e-1	-1.077	7.792			-0.673	7.592			0.062	8.510	3.944e-1	8.503e-1	-0.734	7.838																						
	AAL93722.1   Cytidylate kinase																																											
<b>FN1608</b>																	0.087	6.271																										
	AAL93723.1   Ribosomal protein L11 methyltransferase																																											
<b>FN1609</b>	-2.360	9.530			-3.883	8.192	1.548e-4	2.81e-4	-3.843	7.843			-1.483	5.687			-1.523	5.832			0.040	4.349																						
	AAL93724.1   Hypothetical protein																																											
<b>FN1610</b>	0.674	9.850	5.91e-4	1.98e-4	0.512	9.873	4.198e-4	9.797e-4	-0.837	8.135	3.9e-4	7.255e-4	-1.511	9.013	3.332e-5	1.433e-6	-0.161	10.547	3.236e-2	1.041e-2	-1.349	9.036	1.228e-5	4.038e-6																				
	AAL93725.1   33 kDa chaperonin																																											
<b>FN1611</b>																																												
	AAL93726.1   Competence protein																																											
<b>FN1613</b>	-0.193	8.730	2.094e-1	2.87e-2	-0.305	8.802	5.135e-2	2.873e-1	-0.131	8.589	3.769e-2	1.877e-1	0.062	8.599	1.88e-1	5.455e-1	-0.112	8.610	3.461e-1	6.909e-1	0.174	8.672	1.115e-1	5.429e-1																				
	AAL93728.1   Hypothetical protein																																											
<b>FN1614</b>	-0.398	10.108	6.677e-2	1.343e-1	-1.318	9.373	3.635e-3	1.431e-2	-0.923	9.380	6.385e-3	2.443e-2	-0.524	9.186	2.064e-2	2.22e-2	-0.920	8.975	2.841e-2	8.311e-3	0.395	8.451	5.26e-3	1.603e-2																				
	AAL93729.1   MG(2+) chelatase family protein																																											
<b>FN1616</b>	-0.145	8.145			-0.652	7.822			1.703	9.788	1.199e-2	5.059e-2	1.848	9.848			-0.507	7.677			2.355	9.525																						
	AAL93731.1   N utilization substance protein B																																											
<b>FN1618</b>	0.013	10.298	3.024e-1	9.667e-1	0.513	10.982	2.119e-3	7.304e-3	0.513	10.595	1.399e-3	3.82e-3	0.500	10.812	6.944e-2	1.277e-1	0.500	10.996	1.242e-1	1.277e-1	0.001	11.496	1.87e-1	9.948e-1																				
	AAL93733.1   Hypothetical protein																																											
<b>FN1619</b>	1.079	14.402	5.791e-3	5.542e-3	1.088	14.596	8.853e-3	4.044e-2	1.804	14.923	1.135e-3	2.836e-3	0.725	16.205	1.195e-2	8.997e-3	0.010	15.674	4.265e-1	9.71e-1	0.716	16.400	6.592e-3	2.122e-2																				
	AAL93734.1   Hypothetical cytosolic protein																																											
<b>FN1620</b>	-0.686	18.440	3.672e-2	5.888e-2	-1.141	18.170	5.5e-5	6.944e-5	-0.186	18.736	7.55e-3	2.966e-2	0.500	18.254	7.539e-2	1.433e-1	-0.455	17.483	1.904e-1	2.889e-1	0.955	17.983	4.72e-5	3.227e-5																				
	AAL93735.1   SSU ribosomal protein S2P																																											
<b>FN1621</b>	-0.815	20.738	1.155e-2	1.346e-2	-1.772	19.966	2.151e-6	5.041e-7	-0.264	21.085	1.658e-2	7.3e-2	0.551	20.474	3.868e-2	5.494e-2	-0.957	19.151	7.665e-2	4.943e-2	1.508	19.702	1.141e-3	2.309e-3																				
	AAL93736.1   Protein Translation Elongation Factor Ts																																											
<b>FN1622</b>	-1.405	14.538	1.889e-3	1.184e-3	-1.300	14.828	2.136e-3	7.376e-3	-0.173	15.566	1.593e-2	6.974e-2	1.232	14.365	1.129e-3	2.962e-4	0.105	13.423	3.79e-1	7.969e-1	1.127	14.655	3.045e-3	7.82e-3																				
	AAL93737.1   Uridylate kinase																																											
<b>FN1623</b>	-1.639	12.064	1.382e-3	7.695e-4	-2.822	11.066	3.864e-4	8.838e-4	-0.657	12.842	3.933e-3	1.364e-2	0.982	11.407	3.319e-3	1.433e-3	-1.182	9.427	2.799e-2	8.104e-3	2.164	10.409	3.734e-6	6.834e-7																				
	AAL93738.1   Ribosome Recycling Factor (RRF)																																											
<b>FN1624</b>	-2.007	10.926			-2.311	10.807			-0.341	12.388	6.462e-4	1.384e-3	1.666	10.584			-0.304	8.800			1.969	10.465																						
	AAL93739.1   Protein translocase subunit secY																																											
<b>FN1625</b>	-1.012	13.664	1.985e-2	2.686e-2	-1.252	13.608	3.134e-5	3.048e-5	-0.387	14.085	1.329e-3	3.546e-3	0.625	13.277	6.993e-2	1.29e-1	-0.240	12.596	3.144e-1	5.987e-1	0.865	13.221	6.324e-5	4.749e-5																				
	AAL93740.1   LSU ribosomal protein L15P																																											

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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

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs FnPg — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1626</b> AAL93741.1  LSU ribosomal protein L30P	-3.376	9.716			-4.316	8.960			-0.900	11.987	7.562e-5	7.244e-5	2.475	8.815			-0.940	5.584			3.416	8.060														
<b>FN1627</b> AAL93742.1  SSU ribosomal protein S5P	-0.912	16.987	2.226e-4	4.499e-5	-1.029	17.054	6.439e-6	2.95e-6	0.508	18.203	1.979e-2	8.923e-2	1.420	17.495	1.469e-2	1.365e-2	-0.117	16.142	1.286e-1	1.369e-1	1.537	17.562	4.071e-3	1.141e-2												
<b>FN1628</b> AAL93743.1  LSU ribosomal protein L18P	0.419	15.521			-3.678	11.608			0.274	15.172	3.376e-2	1.653e-1	-0.145	15.795			-4.097	12.028			3.952	11.883														
<b>FN1629</b> AAL93744.1  LSU ribosomal protein L6P	-0.876	17.655	3.913e-2	6.405e-2	-1.720	16.996	1.419e-6	2.647e-7	-1.235	17.092	1.41e-5	5.192e-6	-0.359	16.420	1.793e-1	5.103e-1	-0.844	16.119	1.659e-1	2.283e-1	0.485	15.761	4.258e-3	1.213e-2												
<b>FN1630</b> AAL93745.1  SSU ribosomal protein S8P	-0.713	13.210	1.009e-3	4.763e-4	-0.930	13.178	2.757e-5	2.558e-5	0.382	14.101	6.248e-2	3.316e-1	1.095	13.592	4.901e-2	7.716e-2	-0.217	12.465	6.395e-2	3.507e-2	1.312	13.560	1.543e-2	5.831e-2												
<b>FN1631</b> AAL93746.1  SSU ribosomal protein S14P	-1.281	5.924			-1.730	5.660			1.383	8.384			2.663	7.307			-0.449	4.379			3.112	7.043														
<b>FN1632</b> AAL93747.1  LSU ribosomal protein L5P	-1.015	16.452	7.678e-4	3.029e-4	-0.907	16.744	6.301e-5	8.445e-5	-0.245	17.018	1.921e-3	5.772e-3	0.770	16.207	3.245e-4	4.639e-5	0.107	15.729	2.263e-2	3.754e-1	0.663	16.499	9.545e-4	1.822e-3												
<b>FN1634</b> AAL93749.1  LSU ribosomal protein L24P	0.794	11.224			-1.227	9.388			0.349	10.575	2.107e-2	9.573e-2	-0.445	11.573			-2.020	10.182			1.575	9.737														
<b>FN1635</b> AAL93750.1  LSU ribosomal protein L14P	-1.370	9.635	6.473e-5	7.232e-6	-2.045	9.144	5.747e-6	2.393e-6	0.958	11.759	4.306e-3	1.526e-2	2.328	10.593	6.093e-3	3.372e-3	-0.675	7.774	3.498e-2	1.201e-2	3.003	10.102	1.381e-3	2.914e-3												
<b>FN1636</b> AAL93751.1  SSU ribosomal protein S17P	-1.670	10.912	5.613e-3	5.312e-3	-0.115	12.651	8.779e-2	5.114e-1	-1.114	11.264	2.879e-3	9.391e-3	0.556	9.799	1.266e-1	3.146e-1	1.554	10.981	3.977e-2	1.49e-2	-0.998	11.537	5.464e-4	8.462e-4												
<b>FN1637</b> AAL93752.1  LSU ribosomal protein L29P									-0.289	10.697	1.072e-1	6.077e-1																								
<b>FN1638</b> AAL93753.1  LSU ribosomal protein L16P	-2.223	14.563	2.355e-4	4.924e-5	-3.449	13.521	2.494e-5	2.24e-5	-0.088	16.494	2.375e-2	1.096e-1	2.135	14.475	1.758e-3	5.738e-4	-1.226	11.299	9.84e-2	8.267e-2	3.360	13.433	1.988e-8	3.763e-10												
<b>FN1639</b> AAL93754.1  SSU ribosomal protein S3P	-0.602	19.260	3.975e-2	6.54e-2	-1.073	18.973	3.058e-6	9.209e-7	0.286	19.945	1.71e-2	7.562e-2	0.889	19.546	1.293e-2	1.113e-2	-0.471	18.371	1.656e-1	2.276e-1	1.360	19.260	1.117e-3	2.248e-3												
<b>FN1640</b> AAL93755.1  LSU ribosomal protein L22P	-0.669	13.873	4.407e-2	7.534e-2	-2.077	12.650	1.394e-6	2.562e-7	1.630	15.969	1.477e-3	4.125e-3	2.300	15.503	1.902e-3	6.501e-4	-1.408	11.980	8.823e-2	6.657e-2	3.707	14.280	8.917e-4	1.669e-3												
<b>FN1641</b> AAL93756.1  SSU ribosomal protein S19P	-0.944	14.982	3.583e-2	5.703e-2	-3.818	12.292	1.272e-4	2.145e-4	-0.028	15.694	1.364e-1	7.991e-1	0.916	14.954	4.351e-2	6.477e-2	-2.874	11.348	9.194e-2	7.279e-2	3.790	12.264	8.772e-5	7.307e-5												
<b>FN1642</b> AAL93757.1  LSU ribosomal protein L2P	-1.187	17.039	2.304e-2	3.236e-2	-1.562	16.848	1.176e-5	7.651e-6	-1.107	16.915	2.324e-4	3.626e-4	0.080	15.932	2.689e-1	8.816e-1	-0.375	15.662	3.009e-1	5.621e-1	0.455	15.741	5.236e-3	1.593e-2												
<b>FN1643</b> AAL93758.1  LSU ribosomal protein L23P	0.230	13.378	2.394e-1	7.017e-1	-1.515	11.817	4.153e-5	4.649e-5	-0.010	12.933	1.377e-1	8.084e-1	-0.241	13.367	2.237e-1	6.907e-1	-1.746	12.047	1.294e-1	1.385e-1	1.505	11.806	9.626e-6	2.727e-6												

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Proteins found: 1424

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Find ORFs

Test Cutoff

q-Value p-Value

.005

Dot Plots

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

FnPg vs Fn —  
 FnPgSg vs Fn —  
 FnSg vs FnPg —  
 FnPgSg vs FnSg —



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																	
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6							
<b>FN1670</b>	-1.175	11.013	1.198e-3	6.347e-4	-1.179	11.194	6.02e-5	7.896e-5	-1.431	10.553	5.101e-5	4.216e-5	-0.256	9.582	8.4e-2	1.675e-1	-0.004	10.019	4.282e-1	9.776e-1	-0.252	9.763	5.485e-2	2.474e-1																		
	AAL93785.1   Choline kinase																																									
<b>FN1671</b>																																										
	AAL93786.1   hypothetical exported protein																																									
<b>FN1676</b>																																										
	AAL93791.1   Transposase																																									
<b>FN1679</b>	0.384	17.222	8.534e-2	1.851e-1	0.683	17.706	1.196e-4	1.972e-4	0.061	16.695	9.283e-2	5.17e-1	-0.323	17.283	1.052e-1	2.385e-1	0.299	18.089	1.499e-1	1.9e-1	-0.622	17.766	2.498e-4	3.005e-4																		
	AAL93794.1   LPS biosynthesis protein WbpG																																									
<b>FN1683</b>	-1.996	11.806	1.071e-4	1.503e-5	-1.444	12.543	3.667e-5	3.829e-5	-1.101	12.498	1.248e-3	3.237e-3	0.896	10.706	4.808e-2	7.497e-2	0.552	10.547	8.934e-2	6.837e-2	0.343	11.442	7.21e-2	3.357e-1																		
	AAL93798.1   Acetyltransferase																																									
<b>FN1684</b>	0.315	16.924	1.126e-1	2.633e-1	-0.478	16.316	1.065e-2	5.019e-2	0.149	16.554	8.54e-3	3.426e-2	-0.166	17.072	1.777e-1	5.042e-1	-0.793	16.631	7.831e-2	5.166e-2	0.626	16.464	5.469e-3	1.683e-2																		
	AAL93799.1   N-acetylneuraminate synthase																																									
<b>FN1685</b>	-0.127	12.373	2.538e-1	7.584e-1	-0.582	12.102	5.844e-3	2.477e-2	-0.397	11.898	1.175e-2	4.947e-2	-0.271	11.975	1.921e-1	5.627e-1	-0.455	11.975	2.275e-1	3.784e-1	0.185	11.704	1.554e-2	5.879e-2																		
	AAL93800.1   dTDP-4-dehydrorhamnose reductase																																									
<b>FN1686</b>	0.226	15.857	2.062e-1	5.79e-1	0.013	15.829	1.43e-1	8.869e-1	0.065	15.493	1.181e-1	6.782e-1	-0.161	15.922	2.246e-1	6.942e-1	-0.213	16.055	3.157e-1	6.022e-1	0.052	15.894	1.496e-1	7.61e-1																		
	AAL93801.1   Spore coat polysaccharide biosynthesis protein spsF																																									
<b>FN1687</b>	-0.251	15.505	7.081e-2	1.448e-1	-0.434	15.507	1.237e-2	5.971e-2	-0.132	15.420	7.712e-2	4.193e-1	0.119	15.373	1.23e-1	3.015e-1	-0.183	15.256	1.884e-1	2.837e-1	0.302	15.375	3.05e-2	1.269e-1																		
	AAL93802.1   Gluconate 5-dehydrogenase																																									
<b>FN1688</b>	1.263	13.004	9.311e-2	2.07e-1	-0.403	11.523	5.263e-3	2.194e-2	0.776	12.314	4.389e-5	3.388e-5	-0.486	13.781	1.738e-1	4.888e-1	-1.666	12.786	1.371e-1	1.559e-1	1.180	12.300	2.947e-4	3.771e-4																		
	AAL93803.1   Oxidoreductase																																									
<b>FN1689</b>	-0.982	17.502	4.804e-5	4.446e-6	-1.273	17.395	6.858e-6	3.251e-6	-0.178	18.102	1.501e-3	4.217e-3	0.804	17.324	1.119e-3	2.917e-4	-0.291	16.414	5.993e-2	3.134e-2	1.095	17.218	1.834e-4	1.941e-4																		
	AAL93804.1   UDP-N-acetylglucosamine 4,6-dehydratase																																									
<b>FN1690</b>	-0.698	11.765	3.028e-2	4.573e-2	-0.929	11.719	4.889e-4	1.191e-3	-1.672	10.587	3.332e-5	2.057e-5	-0.975	10.093	4.943e-2	7.816e-2	-0.231	11.021	2.826e-1	5.143e-1	-0.743	10.046	5.163e-3	1.566e-2																		
	AAL93805.1   Hypothetical protein																																									
<b>FN1692</b>	-1.382	11.280	6.028e-4	2.042e-4	-0.777	12.069	4.528e-4	1.079e-3	-0.883	11.575	7.625e-3	3e-2	0.499	10.397	1.218e-1	2.969e-1	0.605	10.687	1.438e-3	6.615e-5	-0.106	11.186	1.502e-1	7.645e-1																		
	AAL93807.1   Glycosyl transferase																																									
<b>FN1693</b>	-0.295	8.291	1.261e-1	3.04e-1	-0.842	7.929	1.27e-3	3.976e-3	-0.112	8.271	1.084e-1	6.151e-1	0.183	8.180	1.997e-1	5.95e-1	-0.547	7.634	1.491e-1	1.877e-1	0.730	7.817	1.56e-2	5.904e-2																		
	AAL93808.1   Hypothetical protein																																									
<b>FN1694</b>	-1.263	12.735	6.092e-3	5.943e-3	-1.700	12.483	1.062e-5	6.429e-6	-0.393	13.401	3.491e-5	2.253e-5	0.870	12.342	2.391e-2	2.733e-2	-0.437	11.220	1.945e-1	3.001e-1	1.307	12.090	2.917e-5	1.558e-5																		
	AAL93809.1   UDP-N-acetyl-D-quinovosamine 4-epimerase																																									
<b>FN1695</b>	-1.327	8.752	3.036e-3	2.28e-3	-0.820	9.444	1.831e-3	6.132e-3	0.292	10.167	2.494e-2	1.159e-1	1.619	9.044	2.539e-3	9.623e-4	0.507	8.117	1.551e-1	2.027e-1	1.111	9.736	1.35e-3	2.833e-3																		
	AAL93810.1   Probable quinovosaminophosphotransferase																																									
<b>FN1696</b>	-0.164	14.848	1.569e-1	4.028e-1	0.243	15.439	1.068e-2	5.038e-2	-0.144	14.664	1.379e-2	5.92e-2	0.020	14.703	2.774e-1	9.202e-1	0.407	15.275	9.183e-2	7.259e-2	-0.387	15.295	3.749e-3	1.021e-2																		
	AAL93811.1   UDP-N-acetylglucosamine 4,6-dehydratase																																									

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Dot Plots

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																				
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6										
<b>FN1697</b>	-1.012	14.080	1.832e-2	2.416e-2	<b>-0.736</b>	14.540	1.497e-3	4.847e-3	<b>-1.167</b>	13.721	6.157e-4	1.301e-3	-0.155	12.913	2.349e-1	7.36e-1	0.276	13.528	2.76e-1	4.976e-1	<b>-0.430</b>	13.373	4.397e-3	1.269e-2																					
AAL93812.1   Hypothetical protein																																													
<b>FN1698</b>	0.660	13.812	6.211e-2	1.22e-1	<b>1.236</b>	14.573	1.44e-4	2.542e-4	-0.074	12.875	1.006e-1	5.662e-1	-0.733	13.739	5.955e-2	1.036e-1	0.576	15.233	8.787e-2	6.597e-2	<b>-1.310</b>	14.499	5.128e-5	3.6e-5																					
AAL93813.1   dTDP-4-dehydrohamnose reductase																																													
<b>FN1700</b>					-1.688	5.619																																							
AAL93815.1   Hypothetical protein																																													
<b>FN1701</b>	<b>-0.897</b>	11.336	3.076e-3	2.325e-3	-0.217	12.200	1.37e-2	6.722e-2	<b>-1.255</b>	10.774	1.84e-5	8.057e-6	-0.358	10.081	5.329e-2	8.782e-2	0.680	11.303	1.601e-2	3.37e-3	<b>-1.038</b>	10.946	1.166e-3	2.371e-3																					
AAL93816.1   ABC transporter ATP-binding protein																																													
<b>FN1703</b>	-0.139	14.496	2.479e-1	7.349e-1	-0.011	14.808	1.465e-1	9.123e-1	<b>-0.918</b>	13.513	3.033e-5	1.73e-5	-0.779	13.578	1.007e-1	2.219e-1	0.128	14.669	3.682e-1	7.608e-1	<b>-0.907</b>	13.890	1.637e-3	3.608e-3																					
AAL93818.1   ADP-L-glycero-D-manno-heptose-6-epimerase																																													
<b>FN1704</b>	-1.213	7.629	9.445e-3	1.06e-2	<b>-0.812</b>	8.215	4.075e-5	4.509e-5	-1.512	7.127			-0.299	6.117			0.401	7.002	1.814e-1	2.657e-1	-0.700	6.703																							
AAL93819.1   Serine protease																																													
<b>FN1707</b>																																													
AAL93822.1   Aldose 1-epimerase																																													
<b>FN1708</b>	<b>-0.861</b>	18.285	2.669e-5	1.839e-6	<b>-0.649</b>	18.681	3.79e-7	4.189e-8	<b>-0.504</b>	18.437	5.877e-6	1.441e-6	<b>0.356</b>	17.781	5.334e-4	9.817e-5	0.212	17.821	1.129e-2	2.045e-3	<b>0.145</b>	18.177	1.074e-3	2.131e-3																					
AAL93823.1   Polyribonucleotide nucleotidyltransferase																																													
<b>FN1711</b>									<b>-2.157</b>	5.706	2.347e-6	4.111e-7																																	
AAL93826.1   Methyltransferase																																													
<b>FN1713</b>	0.483	6.436			1.188	7.325											0.705	7.808																											
AAL93828.1   tRNA (Uracil-5-) -methyltransferase																																													
<b>FN1715</b>																	1.695	5.050																											
AAL93830.1   ATPase																																													
<b>FN1716</b>																																													
AAL93831.1   Hypothetical protein																																													
<b>FN1717</b>	<b>-2.038</b>	10.431	1.683e-4	2.964e-5	<b>-2.513</b>	10.140	1.731e-5	1.326e-5	<b>-2.442</b>	9.822	2.502e-4	3.989e-4	-0.404	7.988	1.247e-1	3.078e-1	-0.475	8.102	1.956e-1	3.031e-1	0.071	7.697	1.593e-1	8.197e-1																					
AAL93832.1   NAD-dependent DNA ligase																																													
<b>FN1718</b>	<b>-1.083</b>	17.982	2.449e-4	5.252e-5	<b>-1.084</b>	18.165	3.61e-4	8.134e-4	<b>-0.953</b>	17.908	2.743e-4	4.488e-4	0.130	17.029	1.095e-1	2.543e-1	-0.001	17.082	4.314e-1	9.907e-1	0.131	17.212	1.109e-2	3.973e-2																					
AAL93833.1   Protein translocase subunit secA																																													
<b>FN1719</b>	<b>-0.539</b>	16.963	1.975e-3	1.266e-3	-0.008	17.678	1.521e-1	9.536e-1	<b>-0.715</b>	16.583	3.33e-5	2.054e-5	-0.176	16.248	7.711e-2	1.479e-1	0.530	17.139	6.164e-2	3.289e-2	-0.707	16.963	6.007e-3	1.898e-2																					
AAL93834.1   Hypothetical protein																																													
<b>FN1722</b>					-0.891	4.856	9.382e-3	4.335e-2																																					
AAL93837.1   Glucose inhibited division protein B																																													
<b>FN1723</b>	<b>-1.008</b>	12.769	4.075e-3	3.41e-3	<b>-0.775</b>	13.186	1.12e-3	3.41e-3	-0.389	13.184	8.235e-3	3.282e-2	0.619	12.380	8.064e-3	5.4e-3	0.233	12.178	1.456e-1	1.778e-1	0.386	12.797	1.054e-2	3.733e-2																					
AAL93838.1   Glucose inhibited division protein A																																													

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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

FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1724</b> AAL93839.1   Potassium uptake protein KtrA	0.576	8.057			1.009	8.673			-0.577	6.699			-1.154	7.479	1.061e-1	2.421e-1	0.432	9.250	2.942e-1	5.443e-1	-1.586	8.096	2.555e-2	1.04e-1												
<b>FN1727</b> AAL93842.1   Chloride channel protein																					-0.318	5.086														
<b>FN1728</b> AAL93843.1   Pyrrolidone-carboxylate peptidase	-0.386	8.629	1.038e-3	4.983e-4	-1.320	7.878	3.995e-6	1.353e-6	-1.893	6.917	2.063e-6	3.481e-7	-1.508	6.735	8.793e-5	6.524e-6	-0.935	7.493	6.035e-4	8.891e-6	-0.573	5.985	1.109e-3	2.227e-3												
<b>FN1730</b> AAL93845.1   Para-aminobenzoate synthase component I	-0.644	8.109	2.431e-2	3.463e-2	0.233	9.170	2.828e-3	1.042e-2	-1.332	7.217			-0.688	6.777			0.876	8.526	3.813e-2	1.386e-2	-1.565	7.838														
<b>FN1731</b> AAL93846.1   Anthranilate synthase component II													0.965	7.239			-0.441	6.017	3.786e-2	1.37e-2	1.407	6.982														
<b>FN1732</b> AAL93847.1   Hypothetical protein	0.941	10.311	6.894e-2	1.399e-1	1.181	10.736	1.07e-3	3.228e-3	-0.305	8.862	6.336e-2	3.367e-1	-1.246	10.006	5.457e-2	9.121e-2	0.240	11.677	2.866e-1	5.244e-1	-1.486	10.431	6.47e-4	1.081e-3												
<b>FN1733</b> AAL93848.1   V-type sodium ATP synthase subunit D																	0.983	7.168																		
<b>FN1734</b> AAL93849.1   V-type sodium ATP synthase subunit B	0.411	13.885	1.689e-3	1.008e-3	0.735	14.394	8.88e-5	1.348e-4	0.282	13.552	2.984e-2	1.427e-1	-0.129	14.167	1.446e-1	3.821e-1	0.324	14.804	4.872e-3	5.482e-4	-0.453	14.675	6.476e-3	2.077e-2												
<b>FN1735</b> AAL93850.1   V-type sodium ATP synthase subunit A	0.738	12.791	8.608e-2	1.872e-1	1.703	13.940	3.393e-5	3.414e-5	-0.552	11.297	1.147e-3	2.875e-3	-1.290	12.238	5.271e-2	8.632e-2	0.965	14.678	5.033e-2	2.297e-2	-2.255	13.388	7.896e-5	6.329e-5												
<b>FN1736</b> AAL93851.1   V-type sodium ATP synthase subunit A	1.129	8.712	3.761e-2	6.075e-2	1.958	9.725	3.525e-5	3.611e-5	-0.692	6.687	3.585e-4	6.464e-4	-1.821	8.019	2.54e-2	2.981e-2	0.829	10.854	4.839e-2	2.131e-2	-2.650	9.033	1.827e-5	7.893e-6												
<b>FN1737</b> AAL93852.1   V-type sodium ATP synthase subunit G	-0.822	5.498	5.269e-2	9.624e-2	0.730	7.235	8.316e-3	3.755e-2									1.553	6.413	3.046e-3	2.633e-4																
<b>FN1738</b> AAL93853.1   V-type sodium ATP synthase subunit C	1.946	11.018	3.79e-2	6.138e-2	1.818	11.075	9.609e-5	1.487e-4	-0.713	8.155	3.759e-3	1.291e-2	-2.659	10.305	3.368e-2	4.519e-2	-0.128	13.021	3.688e-1	7.629e-1	-2.531	10.361	1.929e-4	2.079e-4												
<b>FN1739</b> AAL93854.1   V-type sodium ATP synthase subunit E	0.306	5.733			-0.103	5.508			1.461	6.684			1.155	7.194	8.725e-7	7.771e-9	-0.410	5.814			1.565	6.969														
<b>FN1740</b> AAL93855.1   V-type sodium ATP synthase subunit K																	-0.791	14.457																		
<b>FN1741</b> AAL93856.1   V-type sodium ATP synthase subunit I	0.670	9.257	8.139e-3	8.846e-3	0.833	9.603	2.926e-5	2.772e-5	-1.416	6.966	4.968e-5	4.052e-5	-2.087	7.840	2.797e-3	1.105e-3	0.162	10.274	1.494e-1	1.884e-1	-2.249	8.187	3.242e-7	2.611e-8												
<b>FN1742</b> AAL93857.1   V-type sodium ATP synthase subunit G																																				
<b>FN1743</b> AAL93858.1   Multidrug-efflux transporter 2 regulator																																				

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yes	-	ratios, bars
yes	+	p-, q-Values
yes	-	p-, q-Values

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg

Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios																						
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6												
<b>FN1745</b>	2.072	7.098			<b>2.001</b>	7.212	1.028e-5	6.096e-6	0.611	5.434	2.23e-2	1.021e-1	-1.461	7.709			-0.070	9.284			<b>-1.390</b>	7.823	8.096e-4	1.464e-3																							
	AAL93860.1   Cystathionine gamma-synthase																																														
<b>FN1746</b>																	0.768	6.567																													
	AAL93861.1   Cystathionine beta-lyase																																														
<b>FN1752</b>																																															
	AAL93867.1   Regulatory protein TENI																																														
<b>FN1754</b>																																															
	AAL93869.1   Thiazole biosynthesis protein thiG																																														
<b>FN1762</b>																																															
	AAL93875.1   Protein yaaA																																														
<b>FN1763</b>	1.959	10.009	1.247e-2	1.477e-2	<b>2.008</b>	10.242	9.797e-6	5.649e-6	-0.243	7.602			-2.203	9.765			0.049	12.201	3.905e-1	8.363e-1	-2.251	9.999																									
	AAL93876.1   Hypothetical cytosolic protein																																														
<b>FN1764</b>	0.187	23.848	2.596e-1	7.817e-1	<b>0.963</b>	24.808	9.803e-6	5.654e-6	<b>-0.224</b>	23.234	2.337e-4	3.655e-4	-0.410	23.624	1.963e-1	5.803e-1	0.776	24.995	1.441e-1	1.735e-1	<b>-1.186</b>	24.584	2.024e-7	1.149e-8																							
	AAL93877.1   Enolase																																														
<b>FN1765</b>	-1.291	19.164	6.487e-3	6.485e-3	<b>-0.922</b>	19.718	1.549e-4	2.812e-4	<b>-0.880</b>	19.371	5.355e-5	4.511e-5	0.411	18.283	1.14e-1	2.698e-1	0.370	18.426	2.014e-1	3.161e-1	0.041	18.838	1.158e-1	5.666e-1																							
	AAL93878.1   Pyruvate kinase																																														
<b>FN1780</b>	-1.339	8.610	5.36e-3	4.992e-3	<b>-1.274</b>	8.859	6.736e-5	9.32e-5	-0.124	9.621	7.404e-2	4.005e-1	1.215	8.485	1.004e-2	7.598e-3	0.065	7.520	4.014e-1	8.754e-1	<b>1.150</b>	8.735	1.46e-3	3.122e-3																							
	AAL93879.1   Hypothetical protein																																														
<b>FN1781</b>	-0.691	18.542	1.231e-2	1.454e-2	<b>-0.665</b>	18.753	7.157e-5	1.022e-4	<b>-0.570</b>	18.459	1.946e-4	2.787e-4	0.121	17.972	1.867e-1	5.402e-1	0.027	18.062	4.073e-1	8.973e-1	0.095	18.183	5.114e-2	2.286e-1																							
	AAL93880.1   LytB protein																																														
<b>FN1783</b>																	-0.552	6.552																													
	AAL93882.1   Ethanolamine utilization protein eutJ																																														
<b>FN1784</b>	-1.541	8.185			-0.466	9.445	1.392e-2	6.853e-2	-2.082	7.441			-0.541	6.103			1.075	7.903			-1.616	7.363																									
	AAL93883.1   unknown																																														
<b>FN1785</b>	-1.171	8.572			-1.124	8.804			0.622	10.161	4.805e-2	2.473e-1	1.793	9.194			0.047	7.632			1.746	9.425																									
	AAL93884.1   Hypothetical protein																																														
<b>FN1786</b>	-1.607	10.856	5.276e-3	4.89e-3	<b>-0.867</b>	11.781	8.295e-6	4.353e-6	<b>-0.317</b>	11.942	6.397e-4	1.366e-3	1.290	10.539	1.576e-2	1.535e-2	0.740	10.174	1.092e-1	1.002e-1	<b>0.549</b>	11.463	6.926e-4	1.182e-3																							
	AAL93885.1   ADP-heptose synthase																																														
<b>FN1787</b>	<b>-2.139</b>	10.221	8.616e-4	3.704e-4	-2.366	10.179			<b>-1.042</b>	11.114	1.322e-3	3.521e-3	1.097	9.179	1.653e-2	1.635e-2	-0.226	8.040			1.323	9.137																									
	AAL93886.1   Tetratricopeptide repeat family protein																																														
<b>FN1788</b>	0.089	9.167	2.6e-1	7.834e-1	<b>-0.505</b>	8.757	3.007e-3	1.126e-2	0.133	9.007	7.27e-2	3.924e-1	0.044	9.299	2.706e-1	8.895e-1	-0.594	8.846	1.461e-1	1.792e-1	0.638	8.890	6.02e-3	1.903e-2																							
	AAL93887.1   2C-methyl-D-erythritol 2,4-cyclodiphosphate synthase																																														
<b>FN1790</b>	3.150	7.103			3.530	7.668			1.328	5.077			-1.822	8.430	1.002e-1	2.2e-1	0.381	10.817	3.163e-1	6.041e-1	-2.203	8.995	1.027e-2	3.619e-2																							
	AAL93889.1   Cob(I)alamin adenosyltransferase																																														

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Signif	Direction	Applies To
yes	+	ratios, bars
no	n/a	bars
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FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnPgSg vs FnSg

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FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios									
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4
<b>FN1791</b>	AAL93890.1   Mutator MuT protein																																	
<b>FN1792</b>	0.744	22.973	7.001e-2	1.427e-1	-0.244	22.170	3.243e-2	1.745e-1	2.062	24.088	8.106e-9	5.46e-11	1.318	25.036	7.919e-3	5.222e-3	-0.988	22.914	1.031e-1	8.992e-2	2.306	24.232	4.189e-5	2.723e-5										
	AAL93891.1   Hypothetical protein																																	
<b>FN1793</b>	0.340	14.830	2.264e-1	6.524e-1	0.619	15.293	1.327e-4	2.272e-4	-0.653	13.634	8.342e-5	8.319e-5	-0.993	14.177	1.286e-1	3.223e-1	0.279	15.633	3.318e-1	6.484e-1	-1.272	14.641	7.563e-5	5.977e-5										
	AAL93892.1   Phosphoenolpyruvate-protein phosphotransferase																																	
<b>FN1794</b>	-2.237	12.907	4.652e-4	1.373e-4	-2.139	13.189	5.94e-5	7.745e-5	-0.325	14.614	2.967e-2	1.418e-1	1.911	12.582	1.253e-2	1.062e-2	0.097	10.952	3.806e-1	8.022e-1	1.814	12.863	2.338e-3	5.629e-3										
	AAL93893.1   Phosphocarrier protein HPr																																	
<b>FN1795</b>	AAL93894.1   Hypothetical protein																																	
<b>FN1796</b>					0.194	5.806																												
	AAL93895.1   unknown																																	
<b>FN1797</b>	-0.965	12.188	1.807e-2	2.372e-2	-0.397	12.940	5.661e-3	2.387e-2	-1.666	11.284	1.595e-5	6.328e-6	-0.700	10.522	9.57e-2	2.044e-1	0.568	11.975	1.291e-1	1.38e-1	-1.268	11.275	1.183e-3	2.414e-3										
	AAL93896.1   Spermidine/putrescine transport ATP-binding protein potA																																	
<b>FN1798</b>	-0.529	7.173			-1.055	6.832			-1.273	6.225			-0.744	5.900			-0.526	6.303			-0.219	5.558	9.413e-3	3.258e-2										
	AAL93897.1   Spermidine/putrescine transport system permease protein potB																																	
<b>FN1800</b>	-1.164	14.275	1.624e-3	9.55e-4	-0.041	15.581	1.268e-1	7.719e-1	-0.311	14.924	9.349e-3	3.815e-2	0.853	13.964	4.957e-3	2.494e-3	1.122	14.418	2.047e-2	4.821e-3	-0.269	15.271	4.052e-2	1.758e-1										
	AAL93899.1   Peptidyl-prolyl cis-trans isomerase																																	
<b>FN1801</b>	1.297	8.419			1.049	8.356			-0.652	6.267			-1.949	7.767			-0.248	9.652			-1.701	7.704												
	AAL93900.1   Sodium/glutamate symport carrier protein																																	
<b>FN1803</b>					0.128	6.488			1.473	7.445							1.345	7.962																
	AAL93902.1   Transcriptional regulator, TetR family																																	
<b>FN1804</b>	0.733	8.186			1.168	8.806	7.785e-3	3.476e-2					0.435	9.539																				
	AAL93903.1   Aminoacyl-histidine dipeptidase																																	
<b>FN1807</b>	-0.405	17.120	4.755e-4	1.426e-4	-1.080	16.630	3.196e-5	3.133e-5	0.029	17.351	5.788e-2	3.049e-1	0.435	17.149	1.233e-3	3.388e-4	-0.674	16.225	3.372e-3	3.296e-4	1.109	16.659	1.354e-4	1.286e-4										
	AAL93906.1   Hypothetical protein																																	
<b>FN1808</b>	-3.354	10.524			-4.066	9.997			-1.913	11.762	3.078e-4	5.231e-4	1.442	8.612			-0.712	6.642			2.154	8.084												
	AAL93907.1   Hypothetical protein																																	
<b>FN1809</b>	0.046	8.944	2.993e-1	9.525e-1	-0.448	8.634	4.384e-2	2.418e-1	0.257	8.951	5.993e-2	3.168e-1	0.210	9.201	2.412e-1	7.621e-1	-0.495	8.680	3.109e-1	5.889e-1	0.705	8.891	8.761e-3	2.993e-2										
	AAL93908.1   Iron/zinc/copper-binding protein																																	
<b>FN1811</b>	-1.950	10.824	6.988e-4	2.593e-4	-2.238	10.721	4.003e-5	4.383e-5	-1.648	10.922	3.729e-5	2.584e-5	0.301	9.176	1.695e-1	4.725e-1	-0.288	8.771	2.86e-1	5.229e-1	0.589	9.072	2.171e-2	8.683e-2										
	AAL93910.1   Manganese transport system ATP-binding protein mntA																																	
<b>FN1812</b>	-0.764	14.623	7.852e-2	1.657e-1	-2.463	13.109	6.056e-6	2.629e-6	-0.884	14.299	1.088e-4	1.234e-4	-0.120	13.739	2.616e-1	8.492e-1	-1.699	12.344	1.422e-1	1.687e-1	1.579	12.225	6.106e-4	9.948e-4										
	AAL93911.1   Manganese-binding protein																																	

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Test Cutoff

q-Value .005

p-Value

Dot Plots

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

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg



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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios													
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6			
<b>FN1813</b>	-2.125	8.768			-2.467	8.610	4.626e-5	5.489e-5	-1.315	9.374	1.684e-4	2.261e-4	0.809	7.453			-0.343	6.485			1.152	7.295	7.008e-6	1.596e-6														
AAL93912.1   Manganese-binding protein																																						
<b>FN1814</b>					-1.854	8.615			-1.431	8.650	2.654e-3	8.491e-3									0.423	7.184																
AAL93913.1   Hypothetical protein																																						
<b>FN1816</b>	0.093	6.397	2.275e-1	6.566e-1	1.563	8.052			-0.306	5.795	3.338e-2	1.631e-1	-0.398	6.092	4.697e-2	7.241e-2	1.470	8.145			-1.868	7.746																
AAL93915.1   unknown																																						
<b>FN1817</b>	-0.378	5.575			-0.484	5.654			0.425	6.174			0.803	5.999	3.244e-2	4.268e-2	-0.105	5.275			0.908	6.078																
AAL93916.1   Hemolysin																																						
<b>FN1819</b>																																						
AAL93918.1   Export ABC transporter																																						
<b>FN1820</b>																																						
AAL93919.1   Export ABC transporter																																						
<b>FN1822</b>																																						
AAL93921.1   Flavodoxin																																						
<b>FN1825</b>																																						
AAL93924.1   Hypothetical protein																																						
<b>FN1826</b>	-1.242	11.001	8.325e-4	3.482e-4	-1.115	11.313	5.451e-4	1.375e-3	-0.410	11.630	5.195e-3	1.912e-2	0.832	10.592	3.215e-3	1.363e-3	0.127	10.071	1.876e-1	2.815e-1	0.705	10.903	1.813e-4	1.911e-4														
AAL93925.1   Protease																																						
<b>FN1827</b>	-0.457	11.493	5.739e-2	1.087e-1	0.562	12.697	3.596e-3	1.412e-2	-0.895	10.851	6.268e-3	2.389e-2	-0.438	10.598	7.193e-2	1.341e-1	1.020	12.239	6.817e-3	9.539e-4	-1.457	11.802	6.894e-4	1.175e-3														
AAL93926.1   Replicative DNA helicase																																						
<b>FN1828</b>	-0.343	13.069	1.914e-1	5.278e-1	-1.611	11.985	1.875e-4	3.539e-4	-1.285	11.923	1.042e-4	1.164e-4	-0.942	11.784	1.199e-1	2.902e-1	-1.269	11.642	1.606e-1	2.157e-1	0.327	10.700	1.534e-2	5.792e-2														
AAL93927.1   LSU ribosomal protein L9P																																						
<b>FN1830</b>	0.319	10.276	1.633e-1	4.251e-1	0.831	10.973	7.067e-3	3.105e-2	-0.965	8.788	1.069e-4	1.205e-4	-1.284	9.311	4.641e-2	7.113e-2	0.512	11.292	1.423e-1	1.689e-1	-1.796	10.007	3.083e-3	7.944e-3														
AAL93929.1   DNA polymerase III subunits gamma and tau																																						
<b>FN1831</b>	0.505	12.687	8.971e-3	9.957e-3	0.765	13.132	3.158e-6	9.818e-7	-0.796	11.183	3.185e-3	1.06e-2	-1.301	11.892	9.341e-4	2.159e-4	0.260	13.637	5.632e-2	2.828e-2	-1.561	12.336	2.961e-4	3.795e-4														
AAL93930.1   Nitrogen assimilation regulatory protein																																						
<b>FN1832</b>																					-0.771	5.159																
AAL93931.1   TonB protein																																						
<b>FN1833</b>													0.448	8.623																								
AAL93932.1   Biopolymer transport exbD protein																																						
<b>FN1834</b>	-1.228	10.793	3.924e-4	1.042e-4	-1.470	10.736	1.335e-5	9.22e-6	-0.833	10.984	2.285e-4	3.536e-4	0.395	9.960	3.835e-2	5.428e-2	-0.241	9.508	1.259e-1	1.314e-1	0.636	9.903	4.62e-3	1.356e-2														
AAL93933.1   Biopolymer transport exbB protein																																						
<b>FN1836</b>	-1.370	12.374	6.756e-4	2.451e-4	-1.081	12.848	2.971e-5	2.831e-5	-0.525	13.016	6.48e-5	5.838e-5	0.846	11.849	6.353e-3	3.598e-3	0.289	11.477	1.511e-1	1.931e-1	0.556	12.323	9.94e-4	1.922e-3														
AAL93935.1   Tetratricopeptide repeat family protein																																						

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Proteins found: 1424

Test Cutoff

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FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg





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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1875</b>	0.043	14.147	2.717e-1	8.319e-1	0.587	14.875	4.876e-3	2.011e-2	-0.055	13.845	1.35e-1	7.898e-1	-0.098	14.092	1.804e-1	5.147e-1	0.544	14.919	2.095e-2	4.997e-3	-0.642	14.821	1.012e-3	1.968e-3												
	AAL93974.1  Peptidyl-prolyl cis-trans isomerase																																			
<b>FN1877</b>													0.324	5.494																						
	AAL93976.1  Guanine-hypoxanthine permease																																			
<b>FN1878</b>									-1.230	5.874																										
	AAL93977.1  unknown																																			
<b>FN1879</b>									-0.567	10.101																										
	AAL93978.1  SSU ribosomal protein S20P																																			
<b>FN1880</b>	1.807	12.789	2.521e-6	1.122e-7	1.246	12.413	1.623e-3	5.324e-3	0.261	11.039	6.04e-2	3.195e-1	-1.546	13.050	1.109e-3	2.871e-4	-0.560	14.219	3.269e-2	1.06e-2	-0.985	12.674	2.301e-3	5.514e-3												
	AAL93979.1  Oxygen-insensitive NAD(P)H nitroreductase																																			
<b>FN1881</b>													-0.635	6.009			0.309	7.137			-0.944	6.502														
	AAL93980.1  Esterase																																			
<b>FN1884</b>	-0.444	11.353							0.857	12.449	9.932e-3	4.091e-2	1.301	12.209																						
	AAL93983.1  unknown																																			
<b>FN1890</b>	2.010	7.817							1.438	7.041	7.304e-4	1.61e-3	-0.572	9.255																						
	AAL93989.1  Hypothetical protein																																			
<b>FN1891</b>	0.939	8.361	1.275e-1	3.085e-1	1.317	8.923	3.924e-4	9.01e-4	0.151	7.369	1.013e-1	5.703e-1	-0.788	8.512	1.377e-1	3.577e-1	0.377	9.862	2.765e-2	4.99e-1	-1.166	9.074	2.615e-4	3.219e-4												
	AAL93990.1  Glycerophosphoryl diester phosphodiesterase																																			
<b>FN1893</b>	-0.583	18.694	1.202e-4	1.828e-5	-0.896	18.566	4.388e-6	1.551e-6	-1.052	18.021	3.598e-4	6.499e-4	-0.469	17.642	1.688e-2	1.682e-2	-0.312	17.983	1.168e-2	2.149e-3	-0.156	17.514	5.534e-2	2.499e-1												
	AAL93991.1  Fusobacterium outer membrane protein family																																			
<b>FN1895</b>																																				
	AAL93994.1  Hypothetical protein																																			
<b>FN1898</b>	-1.157	10.576	1.509e-2	1.872e-2	-0.046	11.871	1.335e-1	8.185e-1	-0.600	10.928	5.152e-3	1.893e-2	0.557	9.976	1.009e-1	2.226e-1	1.111	10.714	5.218e-2	2.468e-2	-0.554	11.271	1.264e-2	4.628e-2												
	AAL93997.1  Sugar transport ATP-binding protein																																			
<b>FN1899</b>	0.060	15.420	2.563e-1	7.682e-1	0.424	15.968	6.625e-4	1.77e-3	-0.635	14.521	4.938e-4	9.835e-4	-0.695	14.785	3.412e-2	4.611e-2	0.364	16.028	1.089e-1	9.967e-2	-1.058	15.333	1.374e-4	1.312e-4												
	AAL93998.1  Hypothetical lipoprotein																																			
<b>FN1901</b>																																				
	AAL94000.1  Transcription regulator, CRP family																																			
<b>FN1902</b>	-0.028	10.100	2.452e-1	7.242e-1	-0.543	9.769	8.229e-3	3.709e-2	-0.214	9.710	3.108e-2	1.498e-1	-0.186	9.886	1.019e-1	2.263e-1	-0.516	9.741	6.493e-2	3.603e-2	0.329	9.555	4.047e-2	1.755e-1												
	AAL94001.1  Deoxycytidylate deaminase																																			
<b>FN1903</b>	-2.264	9.805	3.089e-3	2.337e-3					1.093	12.958	4.744e-5	3.787e-5	3.357	10.898	1.618e-4	1.943e-5																				
	AAL94002.1  Coenzyme A disulfide reductase/ disulfide bond regulator domain																																			
<b>FN1905</b>					-0.069	4.069			-0.290	3.460											-0.221	3.779														
	AAL94004.1  outer membrane protein																																			

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Dot Plots

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Signif	Direction	Applies To
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FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1906</b>	0.592	17.159	8.944e-2	1.965e-1	<b>0.904</b>	17.655	3.077e-3	1.158e-2	-0.001	16.361	1.635e-1	9.896e-1	-0.593	17.157	9.311e-2	1.958e-1	0.312	18.247	2.136e-1	3.442e-1	<b>-0.905</b>	17.654	2.89e-3	7.328e-3												
AAL94005.1   Cytosol aminopeptidase																																				
<b>FN1908</b>	0.384	16.395	2.985e-2	4.49e-2	<b>0.545</b>	16.741	6.616e-4	1.767e-3	-0.372	15.435	6.722e-3	2.592e-2	-0.756	16.023	1.28e-2	1.097e-2	0.161	17.125	1.713e-1	2.414e-1	<b>-0.917</b>	16.369	6.053e-4	9.818e-4												
AAL94007.1   Glycerophosphoryl diester phosphodiesterase																																				
<b>FN1909</b>	<b>-0.951</b>	13.699	1.873e-3	1.17e-3	<b>-1.182</b>	13.653	2.194e-5	1.868e-5	<b>-0.228</b>	14.218	5.994e-4	1.256e-3	0.723	13.471	8.19e-3	5.559e-3	-0.231	12.702	1.614e-1	2.176e-1	<b>0.954</b>	13.425	3.667e-4	4.989e-4												
AAL94008.1   UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase																																				
<b>FN1910</b>	<b>-1.075</b>	15.909	2.784e-3	2.019e-3	<b>-1.868</b>	15.301	2.212e-4	4.327e-4	<b>0.532</b>	17.313	1.498e-3	4.204e-3	<b>1.607</b>	16.441	1.193e-4	1.237e-5	-0.793	14.225	6.115e-2	3.244e-2	<b>2.400</b>	15.833	1.251e-5	4.166e-6												
AAL94009.1   periplasmic protein																																				
<b>FN1911</b>	0.539	21.645	2.035e-2	2.771e-2	-0.044	21.247	1.147e-1	6.882e-1	0.105	21.007	3.143e-2	1.518e-1	-0.434	21.749	3.584e-2	4.941e-2	-0.583	21.785	4.635e-2	1.968e-2	0.148	21.351	4.061e-2	1.762e-1												
AAL94010.1   Outer membrane protein																																				
<b>FN1912</b>	<b>-1.505</b>	8.335	6.81e-4	2.483e-4	<b>-1.482</b>	8.543	3.111e-4	6.746e-4	-2.460	7.175			-0.955	5.874			0.023	7.038	4.131e-1	9.189e-1	-0.979	6.082														
AAL94011.1   Hypothetical protein																																				
<b>FN1913</b>	-0.697	12.644	4.043e-2	6.692e-2	<b>-0.721</b>	12.805	9.018e-4	2.628e-3	<b>-0.991</b>	12.146	2.015e-4	2.936e-4	-0.294	11.654	1.722e-1	4.826e-1	-0.024	12.108	4.204e-1	9.471e-1	-0.270	11.814	8.888e-3	3.045e-2												
AAL94012.1   hydrolase (HD superfamily)																																				
<b>FN1914</b>	0.655	13.979	1.845e-1	5.025e-1	-0.288	13.220	8.128e-3	3.655e-2	<b>-0.623</b>	12.497	1.233e-3	3.184e-3	-1.278	13.356	1.248e-1	3.081e-1	-0.943	13.875	2.323e-1	3.908e-1	-0.335	12.597	1.324e-2	4.887e-2												
AAL94013.1   Anti-sigma F factor antagonist																																				
<b>FN1917</b>	0.608	4.561			1.633	5.771											1.025	6.379																		
AAL94016.1   tRNA delta(2)-isopentenylpyrophosphate transferase																																				
<b>FN1918</b>	-0.558	11.698	7.937e-2	1.682e-1	<b>0.327</b>	12.767	1.635e-5	1.22e-5	0.288	12.341	2.08e-2	9.434e-2	0.846	11.987	3.456e-2	4.702e-2	0.884	12.210	7.514e-2	4.748e-2	-0.038	13.056	1.471e-1	7.463e-1												
AAL94017.1   SPO0B-associated GTP-binding protein																																				
<b>FN1919</b>	<b>-2.878</b>	8.684	3.404e-5	2.617e-6	<b>-2.663</b>	9.083	2.691e-6	7.264e-7	<b>-2.787</b>	8.571	1.538e-5	5.96e-6	0.091	5.897	2.678e-1	8.767e-1	0.215	6.205	3.322e-1	6.495e-1	-0.124	6.296	1.559e-1	7.988e-1												
AAL94018.1   Methyltransferase																																				
<b>FN1920</b>																	-1.354	5.354																		
AAL94019.1   tRNA (5-methylaminomethyl-2-thiouridylate) -methyltransferase																																				
<b>FN1922</b>	<b>0.598</b>	7.441	2.103e-6	7.977e-8	<b>-0.162</b>	6.865	2.667e-4	5.49e-4	-0.377	6.262			-0.975	7.064			<b>-0.761</b>	7.463	8.127e-6	2.336e-8	-0.215	6.488														
AAL94021.1   Hypothetical protein																																				
<b>FN1923</b>					-0.788	3.958																														
AAL94022.1   Adenine-specific methyltransferase																																				
<b>FN1925</b>																																				
AAL94024.1   Arsenical pump membrane protein																																				
<b>FN1926</b>	0.597	12.116	1.235e-1	2.962e-1	<b>0.441</b>	12.145	1.104e-5	6.865e-6	0.306	11.621	2.064e-2	9.352e-2	-0.291	12.422	1.894e-1	5.513e-1	-0.156	12.741	3.582e-1	7.286e-1	-0.135	12.450	6.65e-2	3.065e-1												
AAL94025.1   Nitrogen regulatory IIA protein																																				
<b>FN1927</b>	0.658	14.381	9.963e-2	2.262e-1	<b>1.612</b>	15.520	5.807e-5	7.498e-5	<b>-0.585</b>	12.934	1.919e-3	5.766e-3	-1.243	13.796	5.654e-2	9.618e-2	0.955	16.177	5.265e-2	2.513e-2	<b>-2.197</b>	14.935	2.101e-4	2.342e-4												
AAL94026.1   DEGV protein																																				

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FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1928</b>	1.094	8.521			0.431	8.043			0.186	7.409			-0.908	8.707			-0.663	9.137			-0.245	8.229	1.09e-1	5.294e-1												
	AAL94027.1   Transcriptional regulator, MerR family																																			
<b>FN1929</b>	-0.664	11.498	1.087e-1	2.519e-1	0.184	12.529	1.035e-1	6.135e-1	-1.330	10.628	1.076e-2	4.475e-2	-0.666	10.168	1.428e-1	3.756e-1	0.847	11.866	1.253e-1	1.302e-1	-1.513	11.200	7.144e-3	2.342e-2												
	AAL94028.1   Competence-damage protein cinA																																			
<b>FN1931</b>	0.294	5.321			1.095	6.306											0.801	6.600																		
	AAL94030.1   Protease																																			
<b>FN1933</b>	-1.191	6.775	1.782e-3	1.088e-3	-0.669	7.482	2.596e-2	1.364e-1	-0.152	7.611	5.258e-2	2.737e-1	1.040	6.623	9.028e-3	6.443e-3	0.522	6.291	2.27e-1	3.773e-1	0.517	7.330	5.416e-2	2.44e-1												
	AAL94032.1   Hypothetical protein																																			
<b>FN1935</b>	-0.856	6.026			-0.378	6.688	5.619e-2	3.163e-1	-1.754	4.924			-0.898	4.272			0.477	5.832			-1.375	4.934														
	AAL94034.1   Adenine-specific methyltransferase																																			
<b>FN1939</b>	0.385	8.111			-0.375	7.536	5.459e-2	3.067e-1	-0.314	7.208	2.067e-2	9.369e-2	-0.699	7.797			-0.760	7.920			0.061	7.221	1.685e-1	8.766e-1												
	AAL94038.1   Hypothetical protein																																			
<b>FN1941</b>	1.481	15.151	1.812e-4	3.292e-5	1.994	15.848	1.202e-3	3.715e-3	-0.193	13.273	7.688e-3	3.029e-2	-1.674	14.958	4.273e-6	1.14e-7	0.513	17.330	7.283e-2	4.464e-2	-2.187	15.656	1.467e-3	3.14e-3												
	AAL94040.1   ClpB protein																																			
<b>FN1942</b>	1.174	5.735			-0.373	4.373											-1.547	5.547																		
	AAL94041.1   putative DNA-binding protein																																			
<b>FN1943</b>	2.132	22.304	3.643e-3	2.929e-3	1.724	22.081	1.794e-5	1.398e-5	-0.290	19.679	1.37e-3	3.709e-3	-2.422	22.014	5.062e-3	2.568e-3	-0.408	24.213	8.632e-2	6.342e-2	-2.014	21.791	6.105e-5	4.534e-5												
	AAL94042.1   Tryptophanase																																			
<b>FN1948</b>																	0.350	6.149																		
	AAL94044.1   Hypothetical protein																																			
<b>FN1949</b>	2.365	9.195	2.717e-2	3.982e-2	2.545	9.559	1.518e-7	1.049e-8	-1.370	5.255			-3.735	7.824			0.180	11.924	3.175e-1	6.074e-1	-3.915	8.189														
	AAL94045.1   Xaa-Pro dipeptidase																																			
<b>FN1950</b>									-3.486	8.201																										
	AAL94046.1   Serine protease																																			
<b>FN1951</b>					-0.914	4.914																														
	AAL94047.1   ATPase associated with chromosome architecture/replication																																			
<b>FN1956</b>																	-0.298	7.700																		
	AAL94052.1   Hypothetical protein																																			
<b>FN1964</b>	-0.609	9.042	5.524e-5	5.711e-6	-1.125	8.710	1.536e-4	2.78e-4	-0.805	8.642	6.811e-3	2.631e-2	-0.196	8.237	1.749e-1	4.93e-1	-0.516	8.101	3.728e-2	1.334e-2	0.320	7.906	7.999e-2	3.761e-1												
	AAL94054.1   O-linked GLCNAC transferase																																			
<b>FN1965</b>	0.486	10.923	3.23e-2	4.977e-2	0.148	10.770	9.843e-2	5.801e-1	0.256	10.490	2.682e-2	1.26e-1	-0.230	11.179	1.057e-1	2.403e-1	-0.338	11.256	1.657e-1	2.279e-1	0.108	11.026	1.362e-1	6.822e-1												
	AAL94055.1   Tetratricopeptide repeat family protein																																			
<b>FN1966</b>	-0.851	10.944	7.543e-3	7.998e-3	0.307	12.286	1.663e-2	8.362e-2	-0.059	11.533	1.202e-1	6.915e-1	0.792	10.885	9.561e-3	7.033e-3	1.158	11.435	6.287e-3	8.25e-4	-0.366	12.227	8.625e-3	2.939e-2												
	AAL94056.1   Hypothetical protein																																			

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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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN1970</b>									1.396	6.219																										
	AAL94060.1   Hemin-binding periplasmic protein hmuT precursor																																			
<b>FN1971</b>	0.778	9.641			-1.568	7.478	9.772e-4	2.897e-3	0.109	8.767	9.539e-2	5.332e-1	-0.670	9.749			-2.347	8.257			1.677	7.587	5.685e-4	8.956e-4												
	AAL94061.1   Hemin receptor																																			
<b>FN1972</b>	2.277	9.584			1.441	8.932	1.657e-2	8.333e-2	0.231	7.335	4.225e-2	2.142e-1	-2.046	9.816			-0.837	11.209			-1.209	9.164	2.551e-2	1.038e-1												
	AAL94062.1   unknown																																			
<b>FN1973</b>	2.182	12.026	1.656e-3	9.815e-4	0.927	10.956	5.059e-3	2.097e-2	2.612	12.252	3.902e-5	2.856e-5	0.430	14.638	8.101e-3	5.447e-3	-1.255	13.137	3.793e-3	3.849e-4	1.685	13.567	1.902e-5	8.481e-6												
	AAL94063.1   Translation initiation inhibitor																																			
<b>FN1974</b>					-0.437	6.052																														
	AAL94064.1   DNA/RNA helicase (DEAD/DEAH BOX family)																																			
<b>FN1975</b>	-1.400	13.702	4.849e-4	1.476e-4	-0.734	14.551	6.127e-4	1.597e-3	-0.653	14.244	1.97e-4	2.837e-4	0.746	13.048	2.137e-3	7.62e-4	0.665	13.152	5.242e-2	2.491e-2	0.081	13.898	1.217e-1	5.996e-1												
	AAL94065.1   ATP-dependent RNA helicase																																			
<b>FN1976</b>	-0.800	10.426	7.915e-2	1.675e-1	0.411	11.821	1.555e-2	7.767e-2	-1.202	9.819	9.477e-4	2.23e-3	-0.403	9.223	2.016e-1	6.031e-1	1.211	11.021	6.886e-2	4.014e-2	-1.613	10.618	9.677e-4	1.855e-3												
	AAL94066.1   4-amino-4-deoxychorismate lyase																																			
<b>FN1977</b>	0.237	6.286			0.169	6.403	1.065e-1	6.335e-1	-0.923	4.923			-1.160	5.364			-0.068	6.640			-1.092	5.480														
	AAL94067.1   Cell cycle protein MesJ																																			
<b>FN1978</b>	-1.935	13.741	2.614e-3	1.852e-3	-1.358	14.502	1.201e-5	7.948e-6	-0.599	14.873	1.937e-4	2.766e-4	1.336	13.142	1.571e-2	1.528e-2	0.577	12.567	1.734e-1	2.467e-1	0.759	13.903	4.993e-4	7.463e-4												
	AAL94068.1   Cell division protein ftsH																																			
<b>FN1979</b>	-2.888	10.456	2.983e-4	7.006e-5					1.316	14.456	1.183e-3	3.004e-3	4.204	11.772	2.512e-3	9.481e-4																				
	AAL94069.1   SSU ribosomal protein S15P																																			
<b>FN1980</b>																					-0.244	4.517														
	AAL94070.1   Transporter																																			
<b>FN1983</b>	-1.070	16.582	6.53e-4	2.317e-4	-1.088	16.748	5.663e-6	2.333e-6	0.554	18.002	2.665e-3	8.536e-3	1.624	17.136	1.102e-3	2.838e-4	-0.019	15.679	4.017e-1	8.765e-1	1.642	17.302	4.642e-4	6.762e-4												
	AAL94073.1   Alkyl hydroperoxide reductase C22 protein																																			
<b>FN1984</b>	0.205	16.782	1.926e-1	5.319e-1	-0.591	16.170	4.172e-4	9.723e-4	0.514	16.887	2.091e-3	6.385e-3	0.309	17.296	1.223e-1	2.988e-1	-0.796	16.375	1.125e-1	1.059e-1	1.105	16.684	5.058e-4	7.595e-4												
	AAL94074.1   Thioredoxin reductase																																			
<b>FN1985</b>	-0.583	12.690	1.336e-1	3.273e-1	-0.248	13.209	2.038e-2	1.046e-1	-0.717	12.352	1.767e-3	5.194e-3	-0.134	11.973	2.613e-1	8.482e-1	0.335	12.626	3.078e-1	5.806e-1	-0.469	12.492	1.799e-3	4.055e-3												
	AAL94075.1   Inner membrane protein																																			
<b>FN1986</b>	-0.000	16.421	3.094e-1	9.99e-1	-0.445	16.161	1.66e-2	8.349e-2	-0.356	15.861	2.635e-3	8.419e-3	-0.356	16.065	6.746e-2	1.227e-1	-0.445	16.160	1.209e-1	1.211e-1	0.089	15.805	1.387e-1	6.968e-1												
	AAL94076.1   Hypothetical protein																																			
<b>FN1987</b>	2.122	7.705			-0.299	5.469			-0.545	4.834	1.357e-3	3.658e-3	-2.667	7.160			-2.421	7.591			-0.246	4.924														
	AAL94077.1   Transcriptional regulator, GntR family																																			
<b>FN1988</b>	3.596	15.052	3.588e-2	5.713e-2	4.705	16.346	1.624e-3	5.33e-3	0.987	12.239	3.608e-4	6.525e-4	-2.609	16.039	4.636e-2	7.101e-2	1.109	19.941	6.103e-2	3.232e-2	-3.718	17.333	2.444e-3	5.965e-3												
	AAL94078.1   Tyrosine phenol-lyase																																			

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

FnPg vs Fn — █ — FnSg vs Fn  
 FnPgSg vs Fn — █ — FnPgSg vs FnPg  
 FnSg vs FnPg — █ — FnPgSg vs FnSg





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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN2018</b>	-1.837	9.299	1.959e-3	1.25e-3	-1.817	9.504	3.3e-5	3.28e-5	-0.729	10.204	3.476e-4	6.186e-4	1.108	8.570	2.515e-2	2.937e-2	0.021	7.667	4.257e-1	9.677e-1	1.088	8.775	2.493e-4	2.997e-4												
AAL94108.1   Single-stranded-DNA-specific exonuclease recJ																																				
<b>FN2019</b>	-0.242	10.866			-3.061	8.231			-0.674	10.230	1.126e-2	4.709e-2	-0.432	10.192			-2.820	7.990			2.387	7.557														
AAL94109.1   Ribosome-binding factor A																																				
<b>FN2020</b>	-0.269	16.155	7.182e-3	7.491e-3	0.002	16.611	1.571e-1	9.905e-1	-0.211	16.009	6.937e-5	6.416e-5	0.058	15.945	1.263e-1	3.136e-1	0.271	16.342	1.647e-1	2.254e-1	-0.213	16.400	6.688e-2	3.084e-1												
AAL94110.1   Bacterial Protein Translation Initiation Factor 2 (IF-2)																																				
<b>FN2022</b>	-1.021	12.451	1.198e-8	4.849e-11	-0.330	13.326	4.754e-4	1.149e-3	-0.503	12.765	7.657e-6	2.177e-6	0.518	11.948	3.487e-5	1.551e-6	0.690	12.305	3.297e-3	3.129e-4	-0.172	12.823	3.686e-3	9.988e-3												
AAL94112.1   N utilization substance protein A																																				
<b>FN2023</b>	0.590	7.446	1.739e-1	4.628e-1	0.634	7.675	2.435e-3	8.665e-3	0.064	6.716	1.182e-1	6.787e-1	-0.526	7.510	1.771e-1	5.018e-1	0.044	8.265	4.195e-1	9.433e-1	-0.570	7.739	4.309e-3	1.233e-2												
AAL94113.1   Hypothetical cytosolic protein																																				
<b>FN2030</b>	-2.984	13.505	3.26e-5	2.451e-6	-2.696	13.977	1.006e-4	1.575e-4	-0.842	15.443	1.972e-4	2.842e-4	2.142	12.663	2.631e-4	3.529e-5	0.288	10.993	2.211e-1	3.625e-1	1.854	13.135	1.219e-4	1.117e-4												
AAL94115.1   Inorganic pyrophosphatase																																				
<b>FN2031</b>	-1.652	6.561			-2.199	6.199			-0.397	7.612	5.555e-2	2.913e-1	1.255	6.164			-0.547	4.547			1.801	5.801														
AAL94116.1   Thiamine biosynthesis lipoprotein appE																																				
<b>FN2033</b>	0.225	8.498			-0.528	7.929											-0.753	8.154																		
AAL94118.1   Guanylate kinase																																				
<b>FN2034</b>	-0.476	8.706	9.662e-2	2.172e-1	-0.761	8.605	3.446e-3	1.336e-2	0.512	9.490	4.057e-3	1.417e-2	0.987	9.218	2.408e-2	2.759e-2	-0.285	8.130	2.835e-1	5.167e-1	1.273	9.117	4.011e-5	2.53e-5												
AAL94119.1   Protein yicC																																				
<b>FN2035</b>	-0.356	18.018	2.15e-2	2.966e-2	-0.199	18.360	1.235e-2	5.959e-2	-0.320	17.851	1.616e-4	2.134e-4	0.036	17.698	2.41e-1	7.613e-1	0.157	18.004	1.824e-1	2.683e-1	-0.121	18.040	4.997e-2	2.227e-1												
AAL94120.1   DNA-directed RNA polymerase beta' chain																																				
<b>FN2036</b>	-0.901	17.232	3.329e-3	2.596e-3	-0.392	17.925	8.896e-4	2.585e-3	-0.543	17.386	4.911e-4	9.764e-4	0.358	16.689	6.347e-2	1.131e-1	0.508	17.024	6.91e-2	4.04e-2	-0.151	17.382	1.088e-2	3.88e-2												
AAL94121.1   DNA-directed RNA polymerase beta chain																																				
<b>FN2037</b>	0.290	19.709	2.004e-1	5.588e-1	-0.522	19.081	2.186e-2	1.13e-1	2.706	21.921	2.355e-5	1.146e-5	2.416	22.416	1.069e-3	2.693e-4	-0.812	19.372	1.645e-1	2.249e-1	3.228	21.788	1.093e-6	1.38e-7												
AAL94122.1   LSU ribosomal protein L12P (L7/L12)																																				
<b>FN2038</b>	-0.837	16.073	4.147e-2	6.929e-2	-1.449	15.646	1.934e-3	6.543e-3	0.235	16.942	3.202e-2	1.552e-1	1.072	16.309	2.7e-2	3.258e-2	-0.612	14.809	2.041e-1	3.221e-1	1.684	15.881	2.981e-9	3.763e-11												
AAL94123.1   LSU ribosomal protein L10P																																				
<b>FN2039</b>	-0.613	16.846	1.035e-3	4.962e-4	-0.652	16.992	1.718e-3	5.69e-3	-0.291	16.964	2.548e-4	4.082e-4	0.322	16.555	3.595e-3	1.615e-3	-0.039	16.379	3.701e-1	7.671e-1	0.361	16.701	1.01e-2	3.546e-2												
AAL94124.1   LSU ribosomal protein L1P																																				
<b>FN2040</b>	-1.158	12.697	7.93e-3	8.544e-3	-2.637	11.403	5.239e-4	1.306e-3	0.868	14.519	2.292e-4	3.552e-4	2.026	13.565	5.44e-4	1.016e-4	-1.479	10.245	9.707e-2	8.072e-2	3.504	12.270	1.581e-4	1.596e-4												
AAL94125.1   LSU ribosomal protein L11P																																				
<b>FN2041</b>	0.560	12.042	1.587e-1	4.09e-1	-1.140	10.526	2.006e-4	3.838e-4	-0.606	10.671	3.983e-4	7.467e-4	-1.166	11.436	9.352e-2	1.971e-1	-1.700	11.086	1.258e-1	1.312e-1	0.534	9.920	3.5e-3	9.337e-3												
AAL94126.1   Transcription antitermination protein nusG																																				
<b>FN2045</b>																	-0.556	7.969																		
AAL94129.1   Ferric uptake regulation protein																																				

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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

FnPg vs Fn █ FnSg vs Fn █

FnPgSg vs FnPg █ FnPgSg vs FnPg █

FnSg vs FnPg █ FnPgSg vs FnSg █



Fn Summary Table

FnPg vs Fn

FnSg vs Fn

FnPgSg vs Fn

FnPgSg vs FnPg

FnSg vs FnPg

FnPgSg vs FnSg

Fn Coverage

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN2069</b>	AAL94153.1   Amino acid carrier protein alST																																			
<b>FN2070</b>	-0.830	7.749			-0.680	8.083	4.726e-6	1.736e-6	-2.188	6.188			-1.358	5.561			0.150	7.253			-1.507	5.895														
	AAL94154.1   Cobyric acid synthase																																			
<b>FN2073</b>	0.466	9.147	1.814e-1	4.908e-1	1.727	10.592	2.867e-3	1.06e-2	-0.859	7.618	1.318e-3	3.504e-3	-1.325	8.288	8.984e-2	1.853e-1	1.261	11.058	5.149e-2	2.403e-2	-2.586	9.733	2.449e-3	5.982e-3												
	AAL94157.1   Adenine phosphoribosyltransferase																																			
<b>FN2074</b>													0.874	4.044																						
	AAL94158.1   BsIM																																			
<b>FN2075</b>	-1.552	10.261	2.351e-6	9.778e-8	-1.773	10.224	6.886e-4	1.864e-3	-0.932	10.677	8.5e-4	1.941e-3	0.620	9.329	3.111e-2	4.011e-2	-0.222	8.673	3.026e-2	5.664e-1	0.841	9.292	1.359e-2	5.034e-2												
	AAL94159.1   Hypothetical protein																																			
<b>FN2076</b>																																				
	AAL94160.1   MunI regulatory protein																																			
<b>FN2078</b>	-0.696	3.866			0.627	5.373											1.323	4.677																		
	AAL94162.1   Transcriptional regulator, DeoR family																																			
<b>FN2081</b>																																				
	AAL94165.1   ABC transporter substrate-binding protein																																			
<b>FN2082</b>	0.066	20.838	2.795e-1	8.648e-1	0.195	21.152	1.292e-2	6.282e-2	0.006	20.575	1.619e-1	9.778e-1	-0.060	20.845	2.705e-1	8.89e-1	0.129	21.217	3.573e-1	7.257e-1	-0.188	21.158	8.588e-2	4.064e-1												
	AAL94166.1   Formate--tetrahydrofolate ligase																																			
<b>FN2093</b>	-0.816	10.423	5.559e-2	1.038e-1	-1.909	9.515	7.33e-5	1.061e-4	-0.781	10.254	4.272e-3	1.511e-2	0.035	9.642	2.836e-1	9.489e-1	-1.092	8.699	1.561e-1	2.051e-1	1.127	8.734	7.759e-3	2.596e-2												
	AAL94177.1   General secretion pathway protein G																																			
<b>FN2098</b>													-1.026	4.400			0.662	6.272	9.451e-2	7.707e-2	-1.688	5.246														
	AAL94182.1   MRP-family nucleotide-binding protein																																			
<b>FN2100</b>	-1.098	11.054	2.063e-3	1.352e-3	-1.352	10.984	5.926e-8	2.217e-9	-0.577	11.371	6.915e-6	1.863e-6	0.521	10.477	2.095e-2	2.267e-2	-0.254	9.886	1.564e-1	2.059e-1	0.775	10.407	3.135e-5	1.727e-5												
	AAL94184.1   Hypothetical protein																																			
<b>FN2102</b>	-0.535	8.617	5.344e-2	9.817e-2	0.005	9.342	1.537e-1	9.65e-1	-1.320	7.629	1.419e-3	3.898e-3	-0.784	7.298	7.281e-2	1.364e-1	0.540	8.807	1.079e-1	9.792e-2	-1.324	8.022	3.408e-3	9.02e-3												
	AAL94186.1   ABC transporter ATP-binding protein																																			
<b>FN2103</b>	-0.584	19.422	1.5e-2	1.858e-2	-0.489	19.701	5.074e-4	1.251e-3	-0.354	19.448	2.946e-4	4.93e-4	0.230	19.069	1.024e-1	2.28e-1	0.094	19.117	3.212e-1	6.177e-1	0.136	19.347	3.788e-2	1.626e-1												
	AAL94187.1   tricarboxylate-binding protein																																			
<b>FN2105</b>	-0.841	6.455							0.010	7.103	1.571e-1	9.434e-1	0.851	6.466																						
	AAL94189.1   tricarboxylate transport membrane protein RctA																																			
<b>FN2106</b>	0.480	15.105	1.619e-1	4.202e-1	-0.528	14.281	5.001e-4	1.227e-3	-0.334	14.087	9.885e-4	2.356e-3	-0.814	14.771	1.085e-1	2.51e-1	-1.009	14.761	1.525e-1	1.965e-1	0.194	13.947	7.47e-3	2.475e-2												
	AAL94190.1   Transporter																																			
<b>FN2107</b>	-1.519	11.505	5.936e-3	5.733e-3	-2.959	10.249	4.61e-4	1.104e-3	-0.627	12.192	4.277e-3	1.513e-2	0.891	10.878	5.318e-2	8.754e-2	-1.441	8.730	1.394e-1	1.617e-1	2.332	9.622	2.264e-6	3.328e-7												
	AAL94191.1   Galactokinase																																			

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yes	+	p-, q-Values
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FnPg vs Fn

FnPgSg vs Fn

FnSg vs FnPg

FnSg vs Fn

FnPgSg vs FnPg

FnPgSg vs FnSg

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

ORF	FnPg vs Fn				FnSg vs Fn				FnPgSg vs Fn				FnPgSg vs FnPg				FnSg vs FnPg				FnPgSg vs FnSg				Log <sub>2</sub> Ratios											
	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	Ratio	Sum	q-Val	p-Val	-6	-4	-2	0	2	4	6	
<b>FN2108</b>	-0.937	10.048	5.403e-3	5.046e-3	-1.343	9.826	9.941e-4	2.957e-3	-0.390	10.391	1.343e-2	5.75e-2	0.547	9.658	7.714e-3	4.98e-3	-0.407	8.889	4.741e-2	2.051e-2	0.954	9.436	3.829e-4	5.266e-4												
	AAL94192.1   Galactose-1-phosphate uridylyltransferase																																			
<b>FN2109</b>	0.357	12.048	5.849e-2	1.117e-1	-0.173	11.703	9.735e-3	4.533e-2	0.186	11.674	2.964e-3	9.74e-3	-0.171	12.235	1.342e-1	3.441e-1	-0.530	12.060	7.629e-2	4.895e-2	0.359	11.889	8.152e-4	1.479e-3												
	AAL94193.1   UDP-glucose 4-epimerase																																			
<b>FN2116</b>	-1.796	11.084			-2.952	10.112	5.602e-6	2.29e-6	-3.826	8.850	9.781e-5	1.053e-4	-2.030	7.258			-1.156	8.316			-0.874	6.286	3.594e-2	1.531e-1												
	AAL94200.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2117</b>	-1.864	7.034			-1.371	7.711											0.493	5.847																		
	AAL94201.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2118</b>	-2.982	8.596			-3.296	8.466			-1.537	9.837	1.799e-4	2.482e-4	1.444	7.059			-0.315	5.485			1.759	6.929														
	AAL94202.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2119</b>	0.059	10.437			-1.111	9.452	7.31e-4	2.023e-3	-0.938	9.237	1.852e-4	2.59e-4	-0.996	9.500			-1.170	9.511			0.173	8.514	1.09e-1	5.294e-1												
	AAL94203.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2120</b>																																				
	AAL94204.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2121</b>	-1.562	13.957	1.544e-2	1.929e-2	-4.149	11.554			-1.244	14.071	1.016e-5	3.242e-6	0.317	12.713	2.038e-1	6.13e-1	-2.588	9.992			2.905	10.309														
	AAL94205.1   Hypothetical exported 24-amino acid repeat protein																																			
<b>FN2122</b>	0.322	17.106	6.198e-2	1.216e-1	-0.033	16.936	3.383e-2	1.829e-1	-0.165	16.415	1.034e-2	4.28e-2	-0.487	16.941	3.608e-2	4.988e-2	-0.355	17.257	1.096e-1	1.008e-1	-0.132	16.770	1.905e-2	7.448e-2												
	AAL94206.1   Phenylalanyl-tRNA synthetase beta chain																																			
<b>FN2123</b>	-0.043	13.279	2.912e-1	9.161e-1	0.116	13.623	1.097e-1	6.545e-1	-0.650	12.469	1.363e-3	3.681e-3	-0.606	12.629	1.18e-1	2.833e-1	0.160	13.580	3.568e-1	7.243e-1	-0.766	12.973	1.906e-2	7.453e-2												
	AAL94207.1   Phenylalanyl-tRNA synthetase alpha chain																																			
<b>FN2125</b>	-1.221	13.987	1.167e-2	1.362e-2	-1.475	13.917	6.497e-5	8.833e-5	-1.679	13.325	1.06e-5	3.434e-6	-0.458	12.308	1.447e-1	3.824e-1	-0.254	12.696	3.099e-1	5.864e-1	-0.204	12.238	7.585e-3	2.523e-2												
	AAL94209.1   DNA gyrase subunit A																																			
<b>FN2126</b>	-1.937	11.781	3.32e-4	8.134e-5	-2.209	11.693	9.972e-5	1.558e-4	-0.407	13.107	3.654e-4	6.646e-4	1.530	11.374	1.21e-4	1.281e-5	-0.272	9.756	2.109e-1	3.38e-1	1.802	11.286	7.438e-5	5.847e-5												
	AAL94210.1   DNA gyrase subunit B																																			
<b>FN2128</b>																																				
	AAL94212.1   RECF protein																																			

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yes	+	p-, q-Values
yes	-	p-, q-Values

FnPg vs Fn — █ — FnSg vs Fn

FnPgSg vs Fn — █ — FnPgSg vs FnPg

FnSg vs FnPg — █ — FnPgSg vs FnSg