

P-way	enzyme	Stat	Yeast Cel Cycle cdc15		Yeast Cell Cycle Alpha		Yeast Diauxic Shift		Yeast Sporulation		E. coli UV radiation		Worm Germline Mutants		Average	Flux Stdev	Avg % Identity
Pentose Phosphate Pathway	1.1.1.49	STDEV	.44	.28	.24	.60	.38	.37	.38							15.9	.54
		AVG	-.16	.26	-.02	-.72	.34	.51	.04								
	1.1.1.44	STDEV	.32	.31	.46	.37	.26	N/A	.34							15.9	.65
		AVG	-.23	.03	.22	.50	.22	N/A	.15								
	5.1.3.1	STDEV	.35	.14	.25	.48	.30	.50	.34							7.6	.58
		AVG	.08	.19	.26	.21	.43	.39	.26								
	5.3.1.6	STDEV	.36	.25	.72	.19	.22	.40	.36							8.7	.55
		AVG	-.11	-.01	-.38	.16	.17	.31	.02								
	2.2.1.1	STDEV	1.29	.19	.84	.26	.30	.63	.59							7.0	.65
		AVG	-.07	.04	.40	-.10	.25	.81	.22								
Glycolysis	4.1.2.13	STDEV	.44	.15	.37	.08	1.02	.51	.43							17.7	.57
		AVG	.22	.39	.01	-.01	.47	.44	.26								
	5.3.1.1	STDEV	.55	.21	.31	.16	.56	N/A	.36							13.9	.61
		AVG	.06	.14	.09	-.12	.63	N/A	.16								
	1.2.1.12	STDEV	.73	.23	.23	.43	.34	.87	.47							15.1	.71
		AVG	-.08	.36	.24	-.26	.45	.92	.27								
	2.7.2.3	STDEV	.37	.22	.33	.75	.35	.58	.44							14.9	.61
		AVG	-.11	.45	.36	-.81	.36	.76	.17								
	5.4.2.1	STDEV	.62	.29	.52	.57	.38	.38	.46							17.2	.54
		AVG	-.17	.08	.21	.18	.38	.37	.18								
4.2.1.11	STDEV	.57	.18	.23	.43	.46	N/A	.37							14.3	.70	
	AVG	.04	.21	-.03	-.13	.49	N/A	.12									
TCA Cycle	4.2.1.3	STDEV	.56	.33	.62	.38	.33	1.13	.56							36.4	.51
		AVG	.11	.16	.48	-.36	.28	.67	.22								
	1.1.1.42	STDEV	.67	.24	.89	1.07	.59	.42	.65							36.4	.57
		AVG	-.04	.07	.47	1.28	.64	.63	.51								
	4.2.1.2	STDEV	.31	.16	.79	.67	.39	N/A	.46							47.8	.70
		AVG	.16	.17	.47	-.79	.28	N/A	.06								
1.1.1.37	STDEV	.65	.24	.76	.73	.40	.50	.55							47.8	.58	
	AVG	.28	.05	.64	.62	.33	.77	.45									
4.1.3.7	STDEV	2.63	.51	.90	.65	.39	.60	.95							36.6	.52	
	AVG	.10	.26	.54	-.36	.40	.48	.24									

