



GAPD (GAP+NAD+Pi=>13BPG+NADH+H)		Ionic Strength (M)										
$\Delta G^{\circ}$ (kJ/mol)		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.345
pH	6.7	6.95	6.57	6.23	5.91	5.63	5.36	5.12	4.89	4.68	4.48	4.33
	6.9	5.34	4.96	4.63	4.32	4.04	3.79	3.55	3.33	3.12	2.92	2.78
	7.1	3.84	3.48	3.15	2.85	2.58	2.33	2.09	1.88	1.67	1.48	1.35
	7.3	2.45	2.09	1.76	1.47	1.20	0.96	0.73	0.51	0.31	0.13	-0.01
	7.5	1.12	0.76	0.45	0.16	-0.11	-0.35	-0.58	-0.79	-0.99	-1.17	-1.31
	7.7	-0.16	-0.51	-0.83	-1.12	-1.38	-1.62	-1.85	-2.05	-2.25	-2.43	-2.57
	7.9	-1.41	-1.76	-2.07	-2.36	-2.62	-2.86	-3.08	-3.29	-3.49	-3.67	-3.80
	8.1	-2.63	-2.98	-3.30	-3.58	-3.84	-4.08	-4.31	-4.51	-4.71	-4.89	-5.02
	8.3	-3.85	-4.19	-4.51	-4.79	-5.05	-5.29	-5.52	-5.72	-5.92	-6.10	-6.23
	8.5	-5.05	-5.40	-5.71	-6.00	-6.26	-6.50	-6.72	-6.93	-7.13	-7.31	-7.44
	8.7	-6.25	-6.60	-6.91	-7.20	-7.46	-7.70	-7.93	-8.14	-8.33	-8.51	-8.65

PGK (3PG+ATP=>13BPG+ADP)		Ionic Strength (M)										
$\Delta G^{\circ}$ (kJ/mol)		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.345
pH	6.7	18.27	18.28	18.29	18.29	18.30	18.31	18.32	18.32	18.33	18.34	18.34
	6.9	18.42	18.43	18.43	18.44	18.45	18.46	18.46	18.47	18.48	18.48	18.49
	7.1	18.54	18.55	18.56	18.56	18.57	18.58	18.58	18.59	18.59	18.60	18.60
	7.3	18.64	18.64	18.65	18.65	18.66	18.66	18.67	18.67	18.68	18.68	18.68
	7.5	18.71	18.71	18.71	18.72	18.72	18.73	18.73	18.73	18.73	18.74	18.74
	7.7	18.75	18.76	18.76	18.76	18.76	18.77	18.77	18.77	18.77	18.77	18.77
	7.9	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.80	18.80	18.80
	8.1	18.80	18.81	18.81	18.81	18.81	18.81	18.81	18.81	18.81	18.81	18.81
	8.3	18.82	18.82	18.82	18.82	18.81	18.81	18.81	18.81	18.81	18.81	18.81
	8.5	18.82	18.82	18.82	18.82	18.81	18.81	18.81	18.81	18.81	18.81	18.81
	8.7	18.82	18.81	18.81	18.81	18.81	18.81	18.80	18.80	18.80	18.80	18.79

PGM (2PG=>3PG)		Ionic Strength (M)										
$\Delta G^{\circ}$ (kJ/mol)		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.345
pH	6.7	-4.27	-4.26	-4.25	-4.24	-4.23	-4.23	-4.22	-4.22	-4.21	-4.21	-4.20
	6.9	-4.20	-4.20	-4.19	-4.19	-4.18	-4.18	-4.17	-4.17	-4.17	-4.17	-4.16
	7.1	-4.16	-4.16	-4.16	-4.15	-4.15	-4.15	-4.15	-4.14	-4.14	-4.14	-4.14
	7.3	-4.14	-4.14	-4.13	-4.13	-4.13	-4.13	-4.13	-4.12	-4.12	-4.12	-4.12
	7.5	-4.12	-4.12	-4.12	-4.12	-4.12	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.7	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.10	-4.10
	7.9	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10
	8.1	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10
	8.3	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10
	8.5	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10
	8.7	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09	-4.09

ENO (2PG=>PEP+H2O)		Ionic Strength (M)										
$\Delta G^{\circ}$ (kJ/mol)		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.345
pH	6.7	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	6.9	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.1	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.3	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.5	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.7	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	7.9	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	8.1	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	8.3	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	8.5	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11
	8.7	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11	-4.11

PYK (PEP+ADP+H=>PYR+ATP)		Ionic Strength (M)										
$\Delta G^{\circ}$ (kJ/mol)		0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.345
pH	6.7	-27.34	-27.30	-27.26	-27.22	-27.19	-27.16	-27.13	-27.11	-27.08	-27.06	-27.05
	6.9	-26.35	-26.30	-26.26	-26.22	-26.19	-26.16	-26.13	-26.11	-26.08	-26.06	-26.04
	7.1	-25.31	-25.27	-25.22	-25.19	-25.15	-25.12	-25.09	-25.06	-25.03	-25.01	-24.99
	7.3	-24.24	-24.19	-24.15	-24.11	-24.07	-24.04	-24.00	-23.98	-23.95	-23.92	-23.90
	7.5	-23.14	-23.09	-23.04	-23.00	-22.96	-22.92	-22.89	-22.86	-22.83	-22.80	-22.78
	7.7	-22.01	-21.95	-21.91	-21.86	-21.82	-21.79	-21.75	-21.72	-21.69	-21.66	-21.64
	7.9	-20.86	-20.80	-20.75	-20.71	-20.67	-20.63	-20.60	-20.56	-20.53	-20.50	-20.48
	8.1	-19.70	-19.64	-19.59	-19.55	-19.50	-19.47	-19.43	-19.40	-19.36	-19.34	-19.31
	8.3	-18.53	-18.47	-18.42	-18.37	-18.33	-18.29	-18.26	-18.22	-18.19	-18.16	-18.14
	8.5	-17.35	-17.29	-17.24	-17.19	-17.15	-17.11	-17.08	-17.04	-17.01	-16.98	-16.96
	8.7	-16.17	-16.11	-16.06	-16.01	-15.97	-15.93	-15.90	-15.86	-15.83	-15.80	-15.78