

TABLE 4: Standard Transformed Gibbs Energies and Standard Transformed Enthalpies of Six Biochemical Reactions at Three Temperatures, pH 6, 7, 9, and $I = 0.25 \text{ Mol kg}^{-1}$

		$\Delta_r G^\circ / \text{kJ mol}^{-1}$			$\Delta_r H^\circ / \text{kJ mol}^{-1}$		
		283.15 K	298.15 K	313.15 K	283.15 K	298.15 K	313.15 K
Rx 27	pH 6	-15.41	-15.38	-15.39	-16.12	-15.54	-14.92
	pH 7	-19.04	-19.41	-19.81	-12.24	-11.80	-11.32
	pH 8	-24.20	-24.91	-25.63	-11.13	-10.73	-10.25
Rx 28	pH 6	-21.16	-22.33	-23.50	0.78	0.93	1.11
	pH 7	-21.16	-22.33	-23.50	0.78	0.93	1.11
	pH 8	-21.16	-22.33	-23.50	0.78	0.93	1.11
Rx 29	pH 6	28.70	27.80	26.89	45.48	45.77	46.13
	pH 7	23.28	22.10	20.90	45.48	45.77	46.13
	pH 8	17.86	16.39	14.90	45.48	45.77	46.13
Rx 30	pH 6	-32.87	-33.25	-33.63	-25.55	-25.71	-25.91
	pH 7	-35.41	-36.07	-36.72	-23.00	-23.07	-23.17
	pH 8	-40.12	-41.10	-42.08	-21.44	-21.57	-21.73
Rx 31	pH 6	-13.22	-13.75	-14.28	-3.23	-3.27	-3.32
	pH 7	-11.06	-11.62	-12.17	-0.60	-0.55	-0.52
	pH 8	-10.37	-10.96	-11.56	0.84	0.86	0.87
Rx 32	pH 6	57.25	-63.54	-59.90	61.01	62.22	63.70
	pH 7	-73.85	-80.75	-87.70	55.91	56.94	58.21
	pH 8	-86.12	-93.51	-100.96	52.78	53.93	55.33

