

Supplementary Table 1: Arrhenius Activation Energies

Temperature Range (°C)	Activation Energy (kJ/mol)	Activation Energy (eV)	Example Reaction type
20.7 - 24.3	56 ± 5	0.58 ± 0.05	metabolic
24.3--29.2	168 ± 3	1.74 ± 0.03	metabolic
29.7--31.8	552 ± 27	5.72 ± 0.28	unfolding of proteins
32.3--35.1	186 ± 9	1.93 ± 0.1	metabolic

± show standard error