

Table 3: Thermodynamic Parameters for the Electron Transfer between Q_A and Q_B Evaluated for Different Environments of the RC^a

system	ΔG_{AB} (meV)	ΔH_{AB} (meV)	ΔS_{AB} (meV K ⁻¹)	ref
RC in OG/cholate	$-(56 \pm 2)$	$-(167 \pm 12)$	$-(0.38 \pm 0.04)$	this work
RC-LH1 in OG/cholate	$-(91 \pm 3)$	$-(281 \pm 23)$	$-(0.65 \pm 0.08)$	this work
RC in LDAO	$-(71.4 \pm 1.4)$	$-(150 \pm 11)$	$-(0.27 \pm 0.03)$	24
RC in LDAO	-69	-230	-0.55	19
RC in LDAO	-78.5^b			26
RC in reverse micelles	$-(81 \pm 3)$	$-(140 \pm 7)$	$-(0.20 \pm 0.03)$	27
RC in lipid vesicles	$-(81 \pm 0.5)$	$-(157 \pm 12)$	$-(0.26 \pm 0.04)$	25
chromatophores	-120^c			20

^a Unless otherwise stated, values of the free energy changes (ΔG_{AB}) are given at 293 K. ^b Evaluated at 295 K. ^c Evaluated at 309 K.