

Table 2. Calculated free Mg^{2+} concentration, $\Delta G_{\text{ATP}}^{\circ}$, ΔG_{ATP} and E_{rev} for the pipette solutions used to study E_{rev} as a function of ΔG_{ATP}

Approximate ΔG_{ATP} (kJ mol ⁻¹)	Pipette solution			Free Mg^{2+} (mM)	$\Delta G_{\text{ATP}}^{\circ}$ (kJ mol ⁻¹)	ΔG_{ATP} (kJ mol ⁻¹)	E_{rev} (mV)
	ATP (mM)	ADP (mM)	P_1 (mM)				
~ -58	10	0.3	0.3	1.99	-28.7	-58.18	-224
~ -49	10	2.0	2.0	1.46	-28.9	-48.75	-126
~ -39	10	20.0	20.0	0.35	-30.7	-38.87	-24