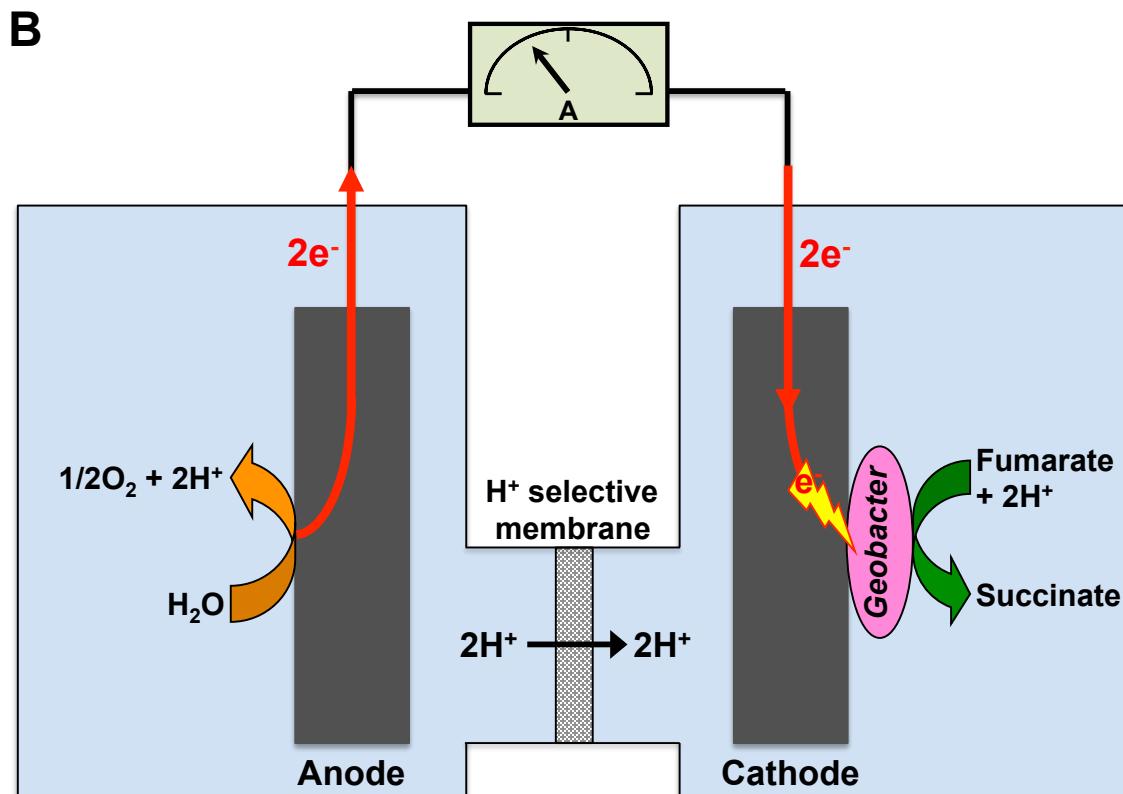
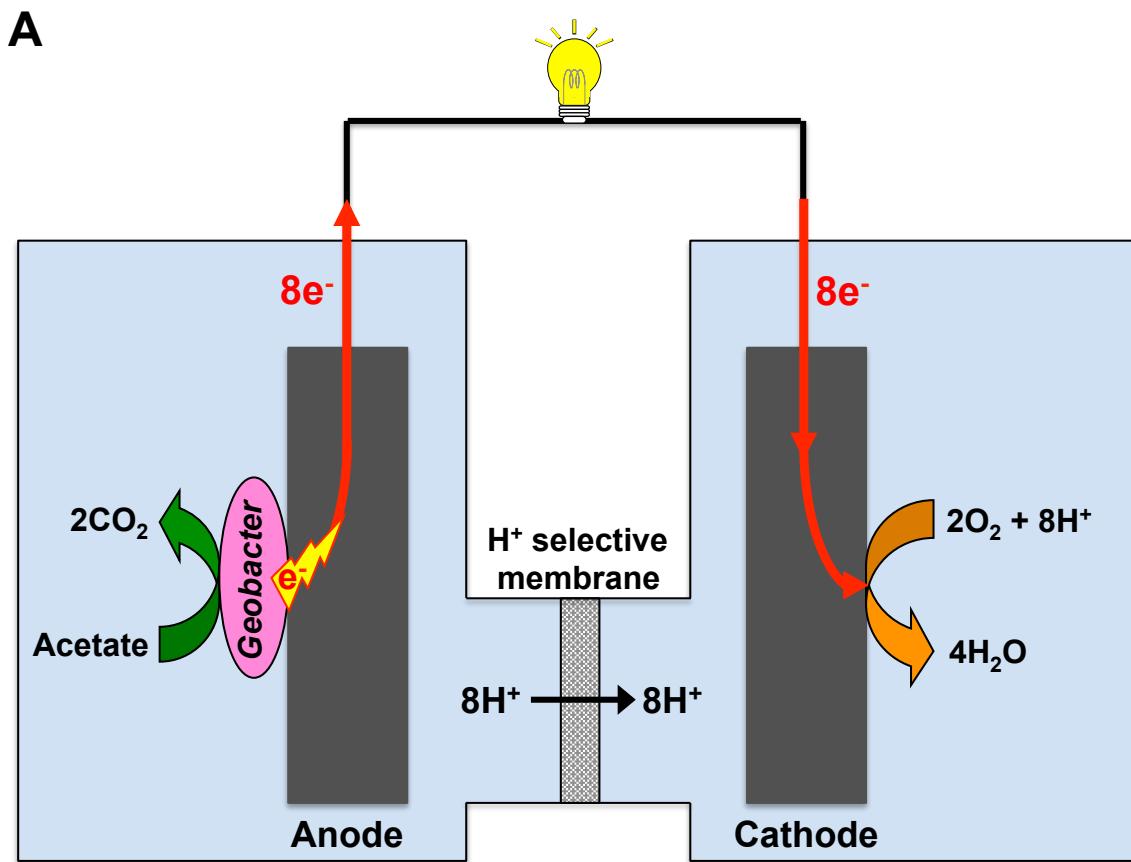


**Table S1. Cytochromes discussed in this article.**

Gene	Protein	Location	Note
GSU0274	Cbc1, CbcY, CbcL	Inner membrane	<i>b-/c</i> -Type fusion cytochrome, Low redox potential pathway
GSU0592	CbcC	Inner membrane	<i>c</i> -Type cytochrome for Cbc5 complex, Fe(III) oxide
GSU3259	ImcH	Inner membrane	High redox potential pathway
GSU0466	MacA	Inner membrane	Regulator for OmcB expression
GSU0612	PpcA	Periplasm	Major in the PpcA family, Fe(III), U(VI), AQDS
GSU0364	PpcB	Periplasm	Homolog of PpcA
GSU0365	PpcC	Periplasm	Homolog of PpcA
GSU1024	PpcD	Periplasm	Homolog of PpcA
GSU1760	PpcE	Periplasm	Homolog of PpcA
GSU3274	PccH	Periplasm	Mono-heme, Cathode
GSU2515		Periplasm	Electron transfer partner for PccH?
GSU2737	OmcB	Outer membrane	Pcc complex, Fe(III)
GSU2738	Omab	Periplasm	Pcc complex with OmcB
GSU2731	OmcC	Outer membrane	Pcc complex, Homolog of OmcB
GSU2732	OmaC	Periplasm	Pcc complex with OmcC
GSU2642	OmcW, ExtD	Outer membrane	Pcc complex, Anode
GSU2643	ExtC	Periplasm	Pcc complex with ExtD
GSU2645	ExtA	Periplasm	Pcc complex with ExtD
GSU2724	OmcV, ExtG	Outer membrane	Pcc complex, Fe(III) oxide
GSU2725	ExtF	Periplasm	Pcc complex with ExtG
GSU2504	OmcS	Outer membrane	Association with e-pili, Filament formation, Fe(III) oxide, Fe(0), DIET
GSU2076	OmcZ	Outer membrane	Biofilm-anode interface, Filament formation, Anode, Fe(0)
GSU2503	OmcT	Outer membrane	Homolog of OmcS
GSU0618	OmcE	Outer membrane	One of the most abundant <i>c</i> -type cytochromes among sheared proteins
GSU2432	OmcF	Outer membrane	Mono-heme, Regulator for OmcB expression
GSU2882	OmcG	Outer membrane	Regulator for OmcB expression
GSU2883	OmcH	Outer membrane	Regulator for OmcB expression
GSU1761	PgcA	Extracellular space	Induced by adaptive evolution for Fe(III) oxide
Gbm3371	GscA	Outer membrane	<i>G. bemidjiensis</i> homolog of the cytochrome in uranium bioremediation Substitute for OmcS



**Figure S1. Schematic presentation of two-chambered H-cell bioelectrochemical devices.**  
**(A)** Anode as the electron acceptor (current production).  
**(B)** Cathode as the electron donor (current consumption).