

Supplementary Information

**Enhanced electricity production using reconstituted
artificial consortia of estuarine bacteria grown as
biofilms**

Jinwei Zhang, Enren Zhang ¹, Keith Scott ², and J. Grant Burgess ^{*}

Dove Marine Laboratory,
School of Marine Science and Technology,
Newcastle University, NE30 4PZ, UK

¹Department of Chemistry and Chemical Engineering,
Yangzhou University, Yangzhou City 225002, China

²School of Chemical Engineering and Advanced Materials,
Newcastle University, NE1 7RU, UK

^{*}Corresponding author:

Tel.: +44 (0)191 222 3057

grant.burgess@ncl.ac.uk

J. Zhang and E. Zhang contributed equally to this work.

Supplementary Figure S1

A typical electrochemical impedance spectra for a dual-chamber MFC

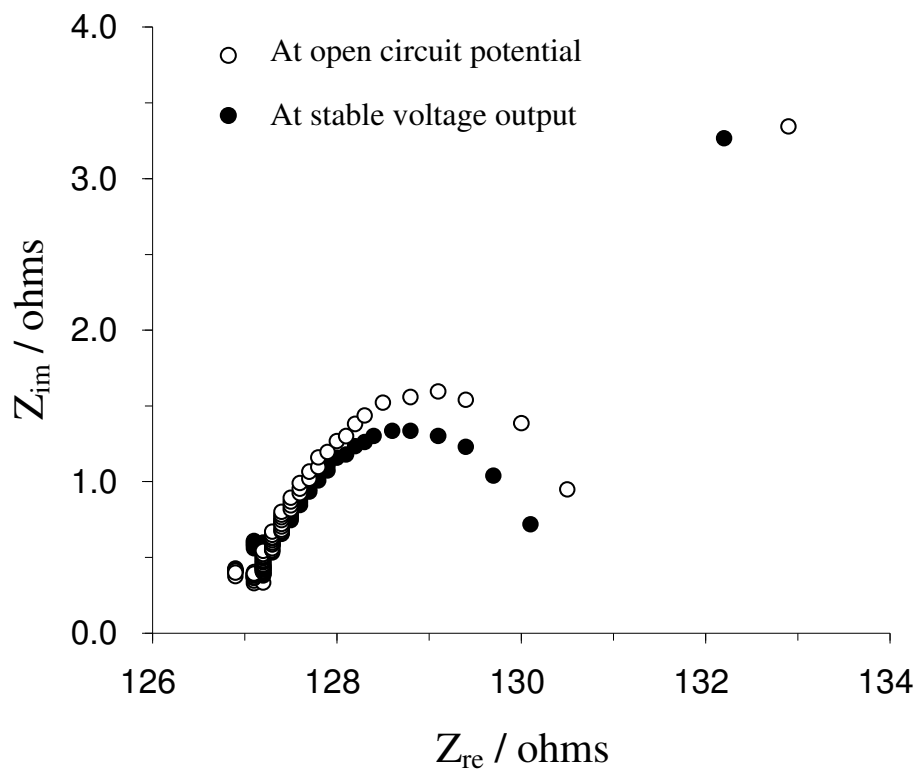


Figure S1 Electrochemical impedance spectra measurements were performed over a frequency range of 0.5Hz to 100 kHz at open circuit potential and stable voltage output, respectively, with a perturbation signal of 10 mV. MFC internal resistance, reflecting ion transport through solution and cation exchange membrane, is about 127 ohms.