

## Supplementary Data

### Antioxidants in Non-Perfluorinated Fuel Cell Membranes: Prospects and Limitations

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#### *Post-Test Analysis of Tested Membranes*

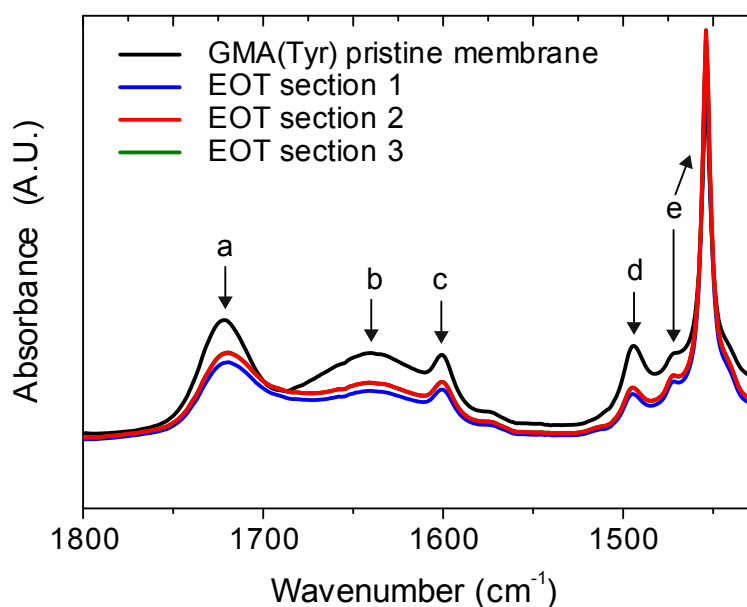


Figure S1: FTIR spectra of GMA(Tyr) “fresh” membrane of an IEC of 1.7 mmol/g before (pristine) and after (EOT = end of test) accelerated stress test of 144 h at OCV, H<sub>2</sub>/O<sub>2</sub> (fully humidified), cell temperature 80°C, and backpressure 2.5 bar<sub>a</sub>. The active area was cut into three pieces (EOT 1 to 3). Assignment of bands: a) C=O stretch of ester, b) H<sub>2</sub>O bending, c) and d) aromatic C-C stretch, e) ETFE (base film) relevant vibration.