“Surface-Initiated Growth of Ionomer Films from Pt-Modified Gold Electrodes”

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Figure S1 shows reflectance absorption infrared spectra for a sulfonated pNBF4 film before and after 10 electrochemical cycles from 1000 mV to 0 mV vs Ag/AgCl at 50 mV/s in O₂-saturated, 0.1 M H₂SO₄ (aq). The spectra are nearly identical, supporting our conclusion that the polymer film remains bound to the electrode during the electrochemical cycling, although, as discussed in the manuscript, short-chain thiolates are removed from the interface during this experiment.

Figure S1. Reflectance-absorption infrared spectra of pNBF4-sulf before and after 10 electrochemical cycles from 1000 mV to 0 mV vs Ag/AgCl at 50 mV/s in O₂-saturated, 0.1 M H₂SO₄ (aq).