Supplementary Material

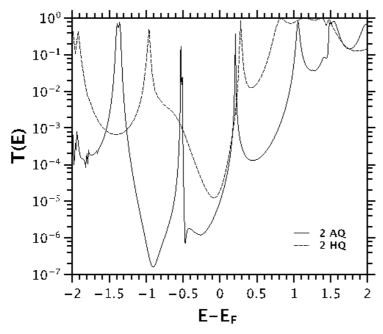


Fig S1: Comparison of the DFT non-equilibrium Greens function (NEGF) formalism calculated energy dependent transmission coefficients for ${\bf 2}$ of the anthraquinone (AQ) and hydroquinone (HQ) modification of ${\bf 2}$.

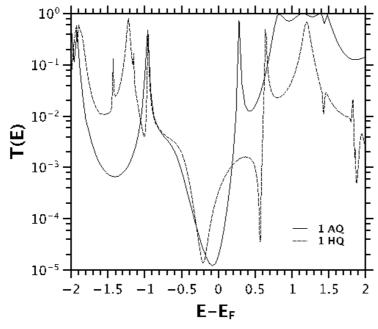


Fig S2: Comparison of the DFT non-equilibrium Greens function (NEGF) formalism calculated energy dependent transmission coefficients for ${\bf 1}$ of the anthraquinone (AQ) and hydroquinone (HQ) modification of ${\bf 1}$.