

S1 Dependence on pH of the <sup>1</sup>H-NMR spectrum of a solution containing  $[Ru(\eta^6-p-cym)Cl_2]_2$  and Hmalt in a 1:1 ratio in D<sub>2</sub>O at 298 K.  $c_{dimer} = 1.00$  mM.



S2 Representative measured and simulated ESI-TOF-MS spectra of the various complexes.