Supporting Information for Manuscript: Complementary ligands direct the formation of a calix[8]arene-supported ferromagnetic Mn$^{IV}$Mn$^{III}$ dimer

**Figure S1.** Ac magnetisation measurements carried out on 1 in the 1.8 – 10 K range in a 3.5 G ac field oscillating at frequencies up to 1000 Hz. The in-phase measurement is plotted on the left hand side and the out-of-phase measurement on the right hand side.

Additional figure relating to the extended structure of 1.

**Figure S2.** Extended structure of 1 showing linear chains formed by CH···p interactions. Hydrogen atoms and co-crystallised solvent molecules omitted for clarity. Colour code: C – grey, N – dark blue, O – red, Mn – purple.