Electronic Supplementary Material (ESI) for Dalton Transactions.

Electronic Supplementary Information

for

Switching from Antiferromagnetic to Ferromagnetic Coupling in Heptanuclear $[M^t_6M^c]^{n+}$ Complexes by Going from an Achiral to a Chiral Triplesalen Ligand

Chandan Mukherjee,[a,b] Veronika Hoeke,[a] Anja Stammler,[a] Hartmut Bögge,[a] Jürgen Schnack,[c] and Thorsten Glaser*[,a]

[a] *Lehrstuhl für Anorganische Chemie I, Fakultät für Chemie, Universität Bielefeld, Universitätsstr. 25, D-33615 Bielefeld, Germany*

[b] *New address: Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati-781039, Assam, India*

[c] *Fakultät für Physik, Universität Bielefeld, Universitätsstr. 25, D-33615 Bielefeld, Germany*

* To whom correspondence should be addressed. E-mail: thorsten.glaser@uni-bielefeld.de; Fax: +49-521-106-6003

Figure S1. Thermal ellipsoid plots for the asymmetric units of complexes a) **1** and b) **2**. Non-coordinated solvents, anions, and hydrogen atoms are omitted for clarity. Thermal ellipsoids are drawn at the 50 % probability level.

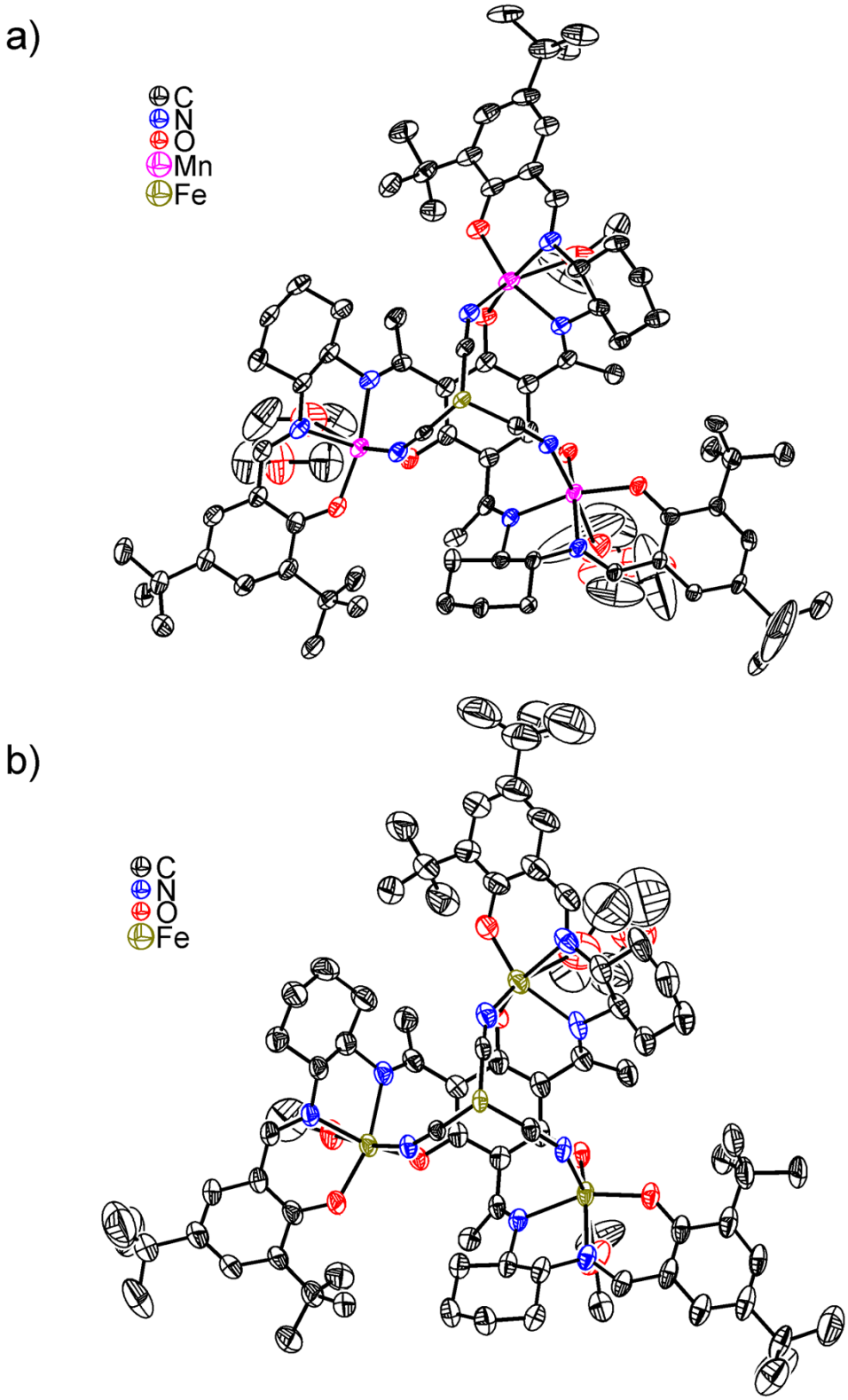

Figure S2. Part of the crystal structures of **1** (a) and **2** (b) to emphasize the chain formation of the heptanuclear complexes by bridging through dioxane molecules along the crystallographic c-axis.