Electronic Supplementary Information for Dalton Transactions

Supporting Information. Twisting, Bending, Stretching: Strategies for Making Ferromagnetic [Mn^{III}_3] Triangles.

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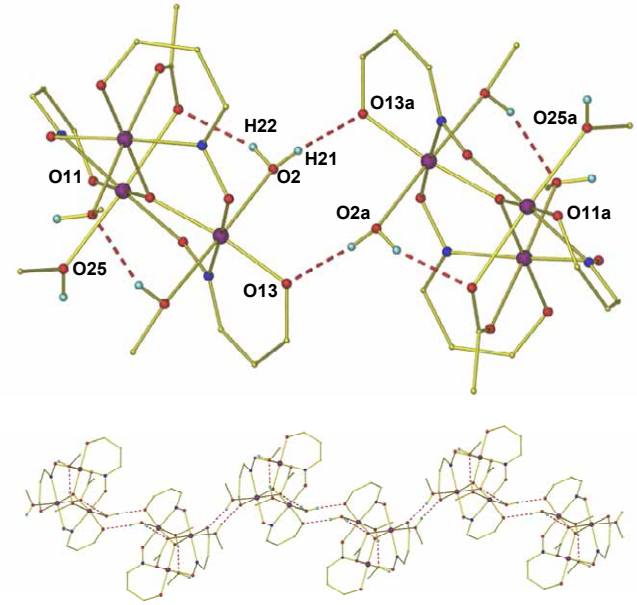

Figure SI1. The hydrogen bonded dimer (top) and the chain (bottom) of **12**. Most hydrogen and carbon atoms have been omitted for clarity. Colour code: Mn, purple; O, red; N, blue; C, gold; H, cyan. Symmetry code: a 1-x, -y, -z.

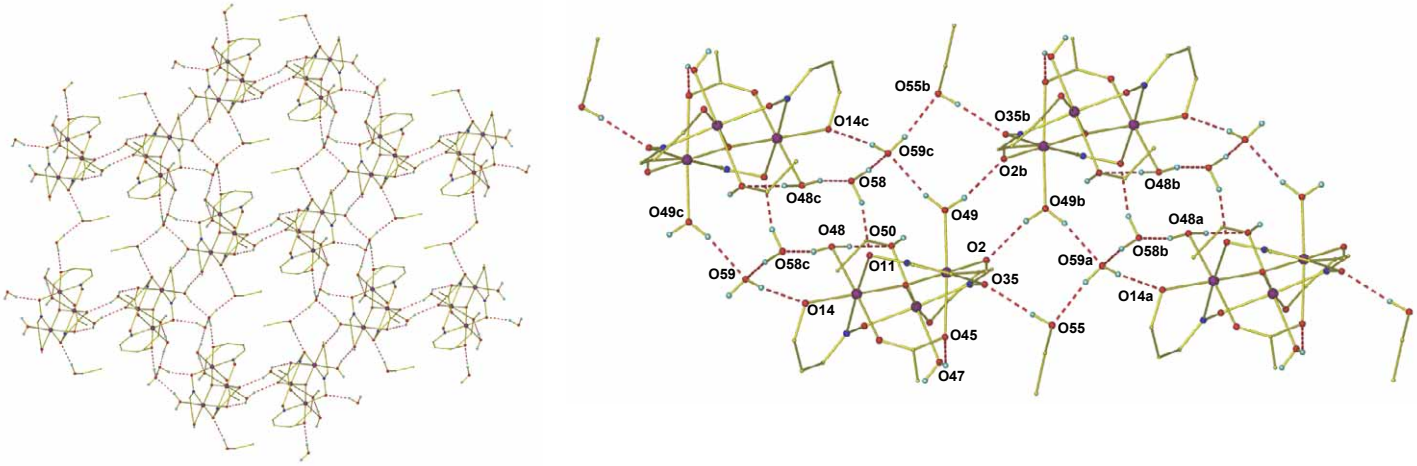

Figure SI2. The hydrogen bonded layer (left) and the chain (right) in **15**. Colour code: Mn, purple; O, red; N, blue; C, gold; H, cyan. Most hydrogen and carbon atoms have been omitted for clarity. Symmetry codes: a x-1, y, z; b -x, 1-y, 2-z; c 1-x, 1-y, 2-z.

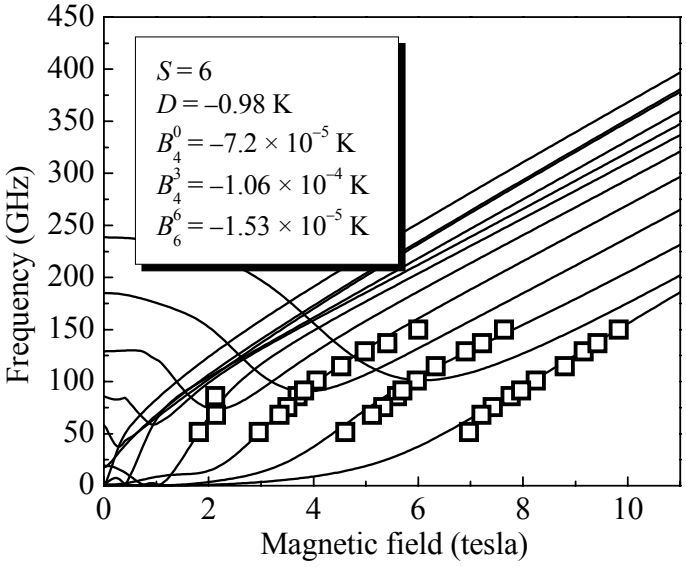

Fig. SI3. Energy difference diagram constructed from frequency-dependent measurements for the hard plane orientation for complex **13** at a temperature of 5 K. The solid lines are simulations using the parameters shown in the figure.