Electronic Supplementary Information (ESI)

A family of cationic oxime-based hexametallic manganese(III) single-molecule magnets

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Figure S1. (A) View of the H-bonded square sheets of $[\text{Mn}_6(\mu_3-\text{O})_2(\text{H}_2\text{N-sao})_6(\text{py})_6(\text{EtOH})_2]^ {2+}$ cations and $\text{ClO}_4^-$ anions in 1 (dashed lines). (B) View of the interdigitated $[\text{Mn}_6]^{2+}$ cluster cations in the third dimension. Solvent molecules have been omitted for clarity. [Colour code: purple, Mn; red, O; blue, N; black, C; green, Cl].
Figure S2. The two $J$ coupling exchange model used for the fit of compounds 1-3.
Figure S3. Plot of energy versus total spin ($S$) extracted from the isotropic fit of the susceptibility data for 3.