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SUPPLEMENTARY INFORMATION

Weak Ferromagnetism Derived from Spin Canting in an Amido-Bridged Homochiral Mn(III) 1-D Coordination Polymer

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I. Crystal structure

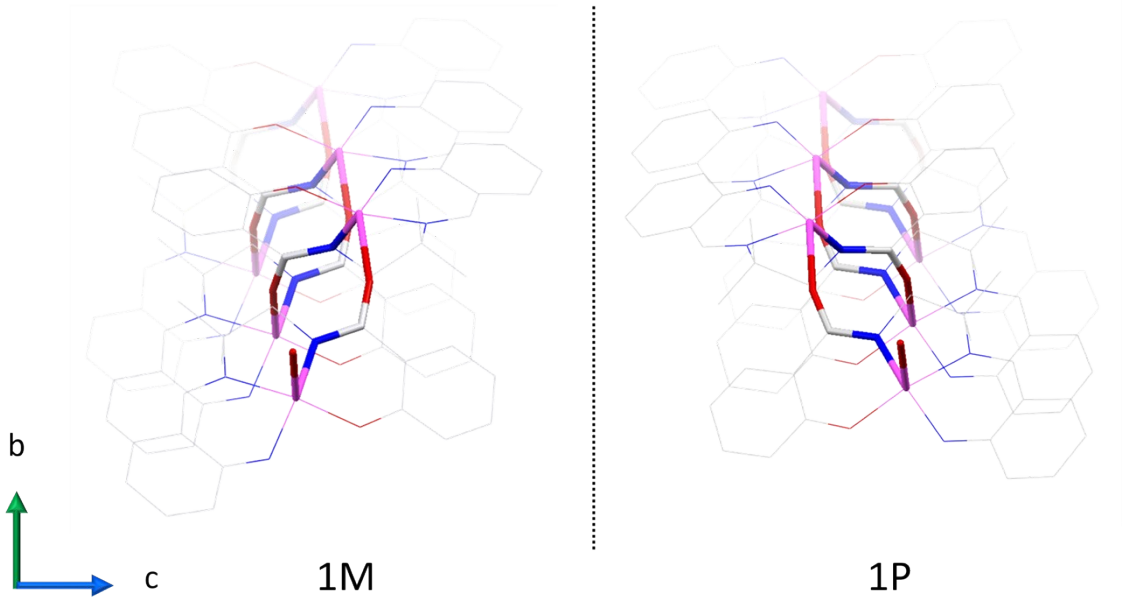

Figure S1 One dimensional chains run helically along the a axis. Hydrogen atoms are omitted for clarity.

II. CD spectra

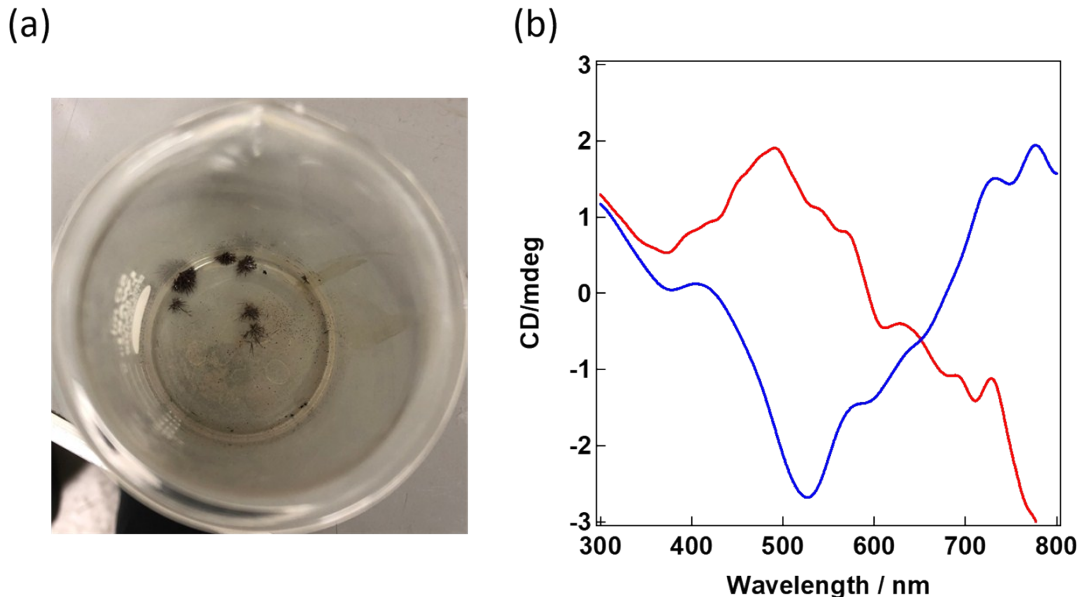

Figure S2 **(a)** Needle crystals were present in each colony at the bottom of the beaker. **(b)** Solid-state circular dichroism (CD) spectra of two selected colonies, each dispersed in a KBr pellet.

III. Powder X-ray Diffraction

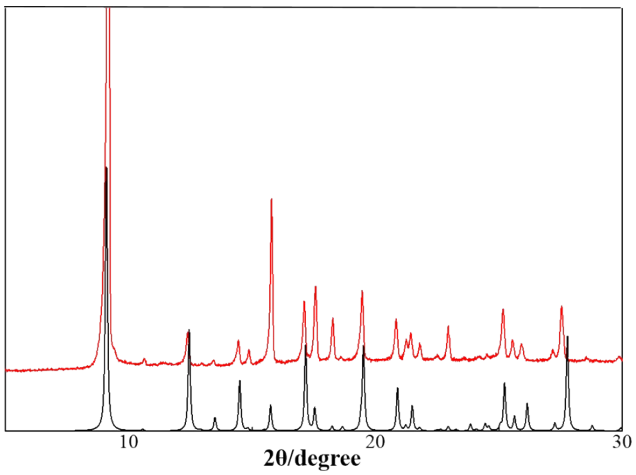

Figure S3 PXRD results for $[MnL]_n$ (red line: experimental value, black line: simulation).

IV. Magnetic properties

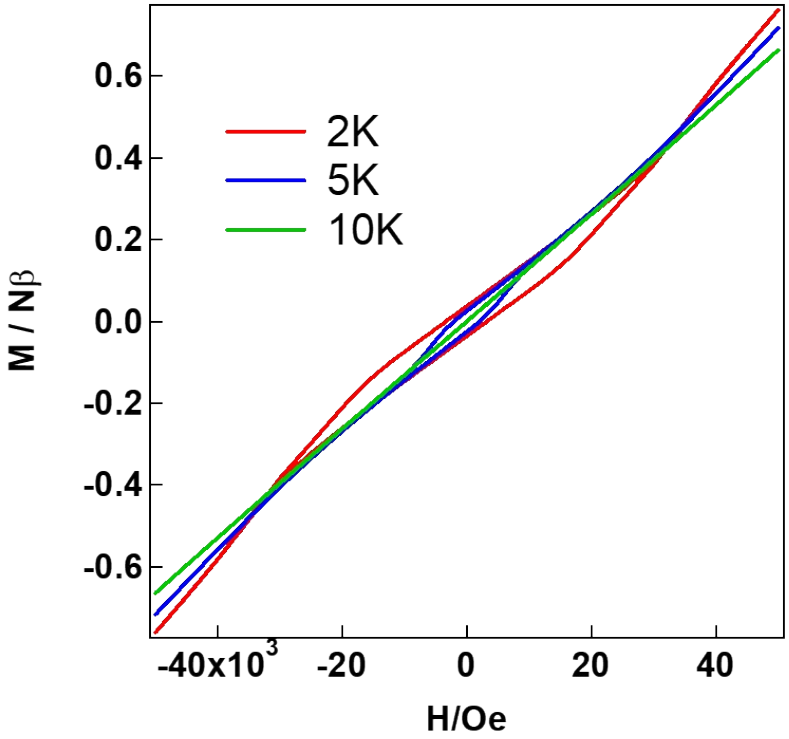

Figure S4 *M* vs *H* plots at 10 K (green), 5K (blue), and 2K (red).

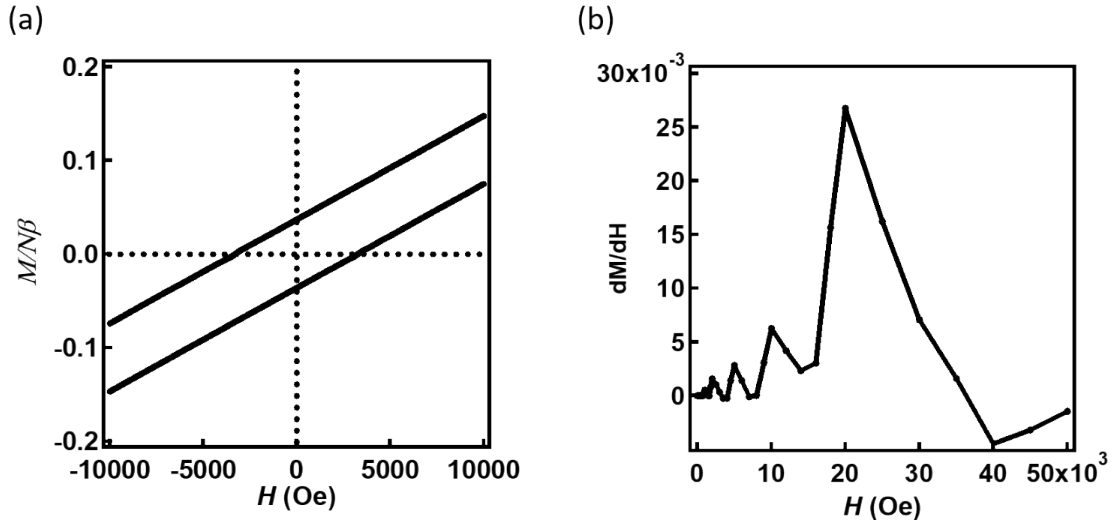

Figure S5 **(a)** An enlarged figure of the hysteresis loop and **(b)** d*M*/d*H* plots.

V. TG analysis

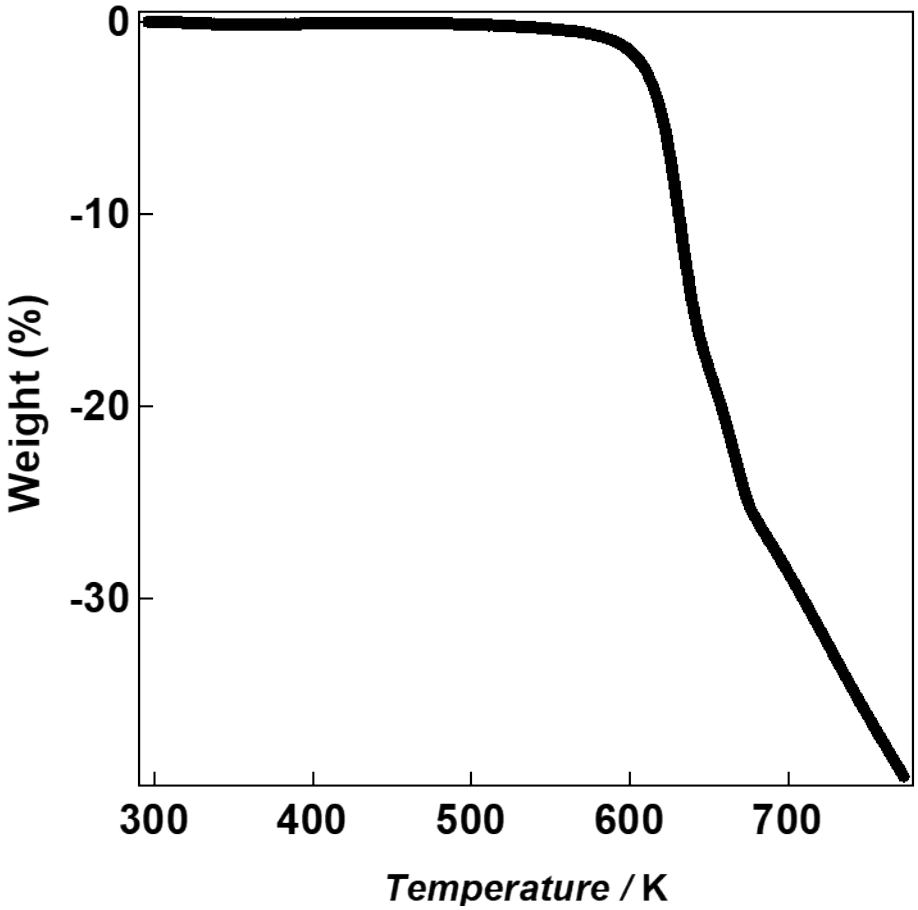

Figure S6 TG analysis of **1**.