Supporting Information

Figure S1. The simulated XRD pattern and the experimental patterns for complexes 1 and 2.

Figure S2. $M$ versus $H$ plot at 2 K for compound 1.

Figure S3. The ‘subtracted’ $\chi_m T$ versus $T$ plots at 0.1 T for compound 2.
Figure S4. $M$ versus $H$ plot at 2 K for compound 2.

Figure S5. Temperature dependences of in-phase $\chi'T$ (top) and out-of-phase $\chi''$ (bottom) ac susceptibilities of 1 at 511 Hz—5111 Hz in zero dc field and 3.0 G field oscillating.

Figure S6. Temperature dependences of in-phase $\chi'$ (top) and out-of-phase $\chi''$ (bottom) ac susceptibilities of 2 at 511 Hz—5111 Hz in zero dc field and 3.0 G field oscillating.