Electronic Supplementary Information

**Fig. S1.** The unit cell of 1 (viewed down the b-axis, bottom).

**Fig. S2.** The unit cell of 2 (viewed down the b-axis, bottom).

**Fig. S3.** The Vogel-Fulcher fit for 1.

\[ \frac{\Delta E}{K_B} = 465 K \]
\[ \tau_0 = 6.8 \times 10^{-32} s \]

**Fig. S4.** Hysteresis loops for 1.

**Fig. S5.** Field dependence of magnetization for 1 at 2 K.