

Figure S1. χ_M/T versus T for complex **2** measured with a 3.5 G ac field oscillating at the indicated frequencies. The inset shows χ_M/T versus T.

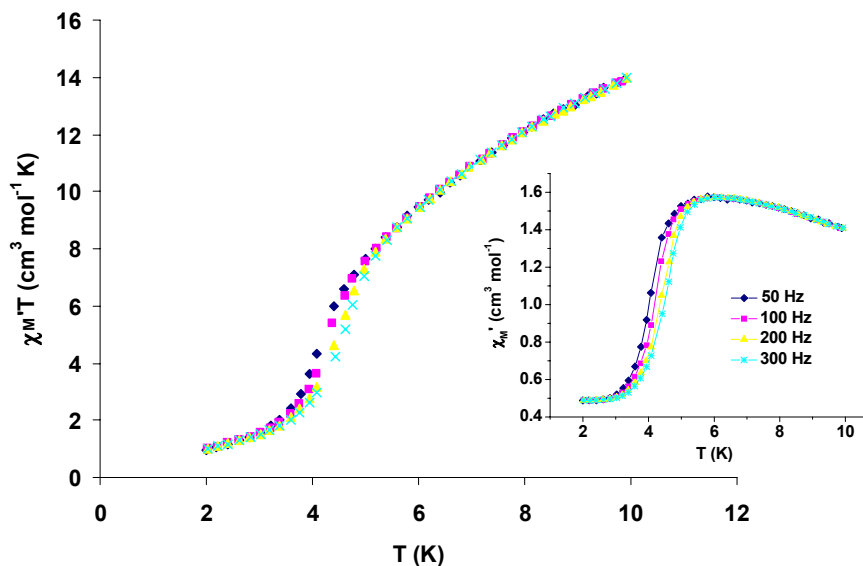


Figure S2. χ_M versus T for complex **2**. The inset shows the 50-5 K temperature range.

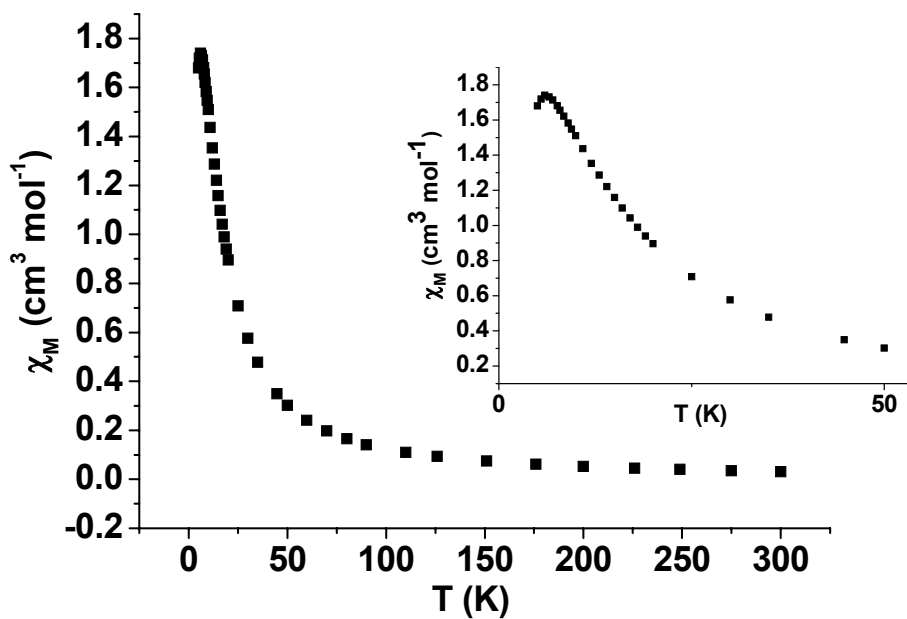


Figure S3. $M/N\beta$ versus H/T for complex **2** in the 2-7 K and 3-7 T temperature and field ranges. The solid lines are a guide for the eye.

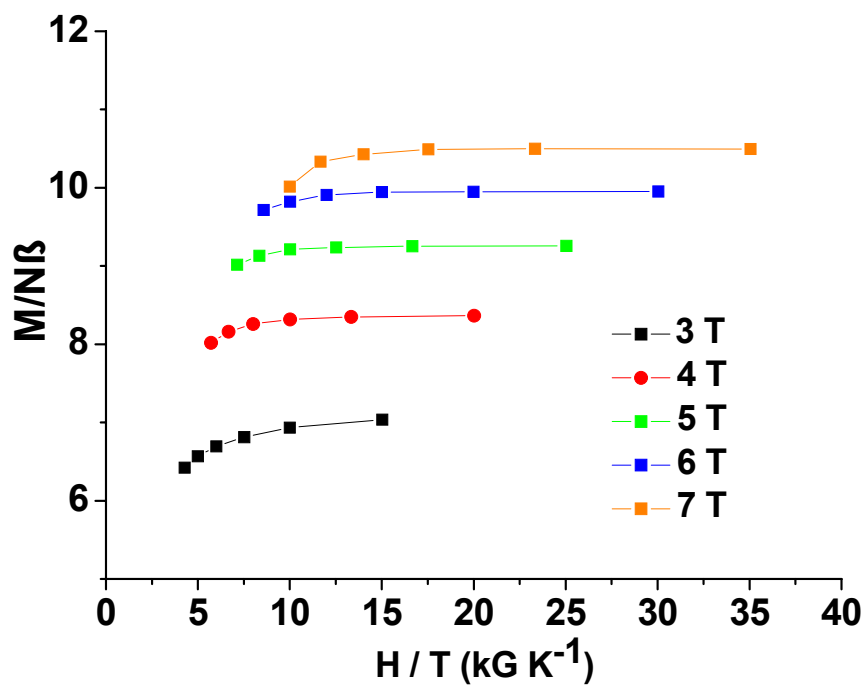


Figure S4. Arrhenius plot from combined ac out-of-phase measurements on a powdered crystalline sample and ac relaxation measurements on a single crystal.

