Supporting Information for

Magnetic and ^{57}Fe Mössbauer Study of the Single-Molecule Magnet Behavior of a Dy_3Fe_7 Coordination Cluster

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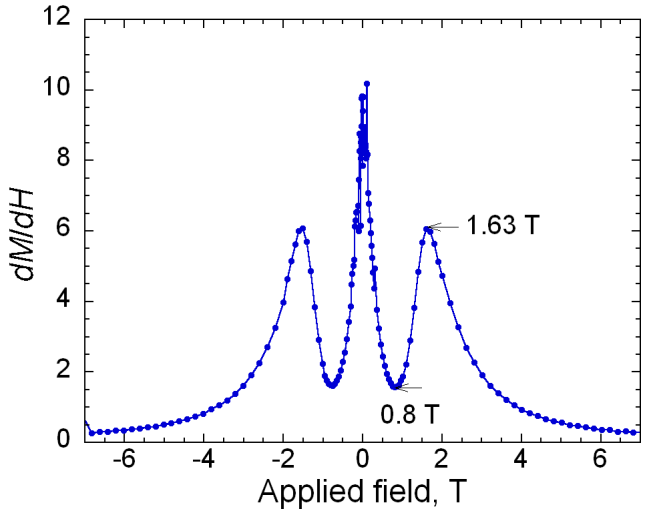

Figure S1. *dM/dH* vs *H* for **1** obtained at 1.8 K.

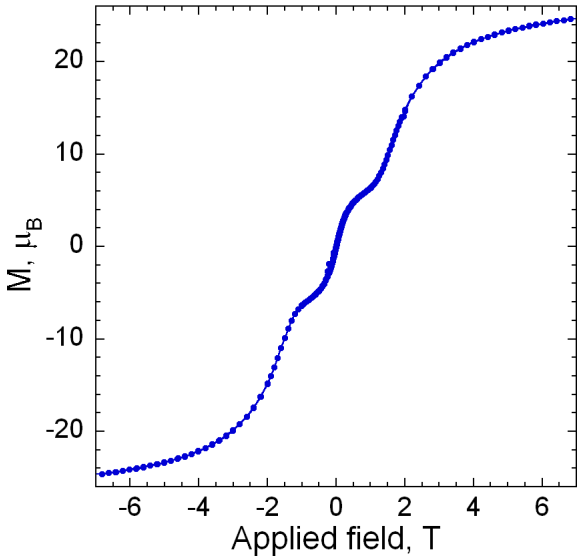

Figure S2. The magnetization of **1** obtained at 1.8 K with an applied field sweep rate of 0.002 T/s. Some very weak hysteresis may be observed near zero applied fields.

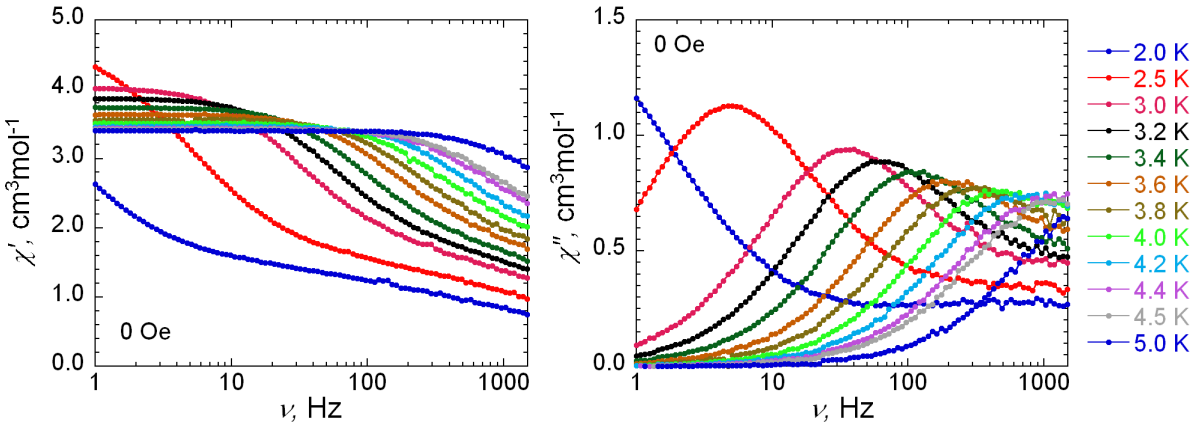

Figure S3. Frequency dependence of the in-phase, χ', left, and out-of-phase, χ", right, components of the ac magnetic susceptibility obtained for **1** in a zero dc applied field.

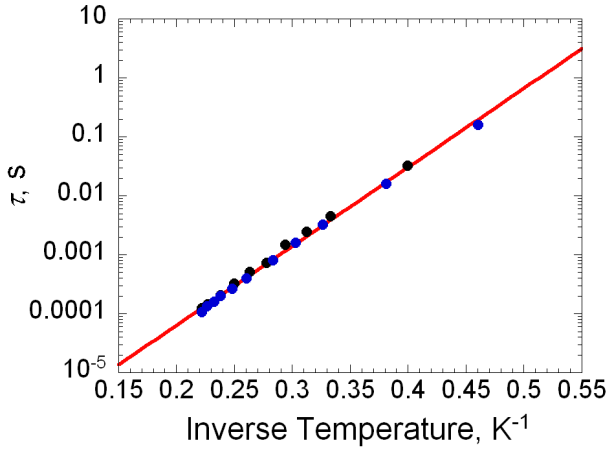

Figure S4. An Arrhenius semilog plot of τ vs $1/T$ for **1** obtained from both the temperature dependence and the frequency dependence of the ac susceptibility measurements under zero dc field.

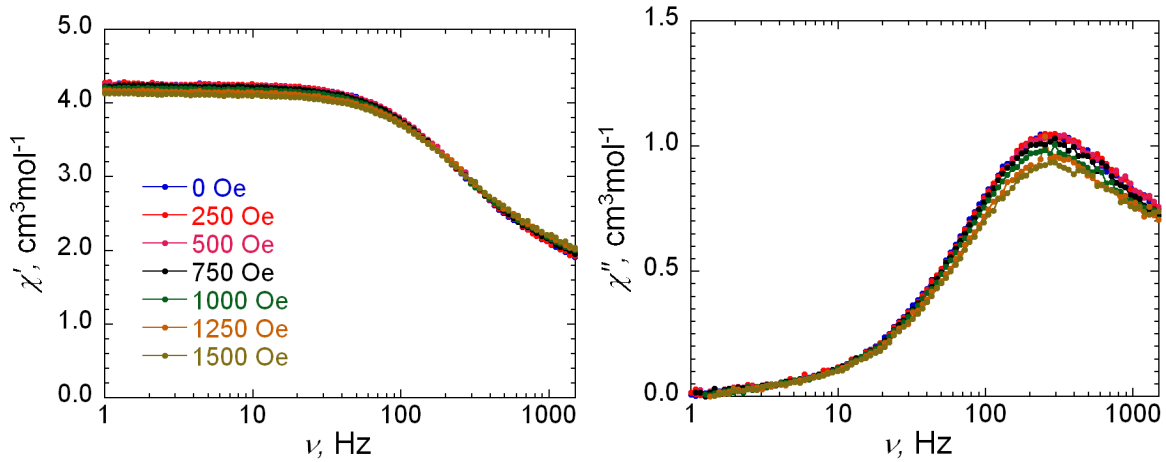

Figure S5. The frequency dependence obtained at 3.8 K of the in-phase, χ', left, and the out-of-phase, χ", right, ac susceptibility measured in different dc applied fields for **1**.

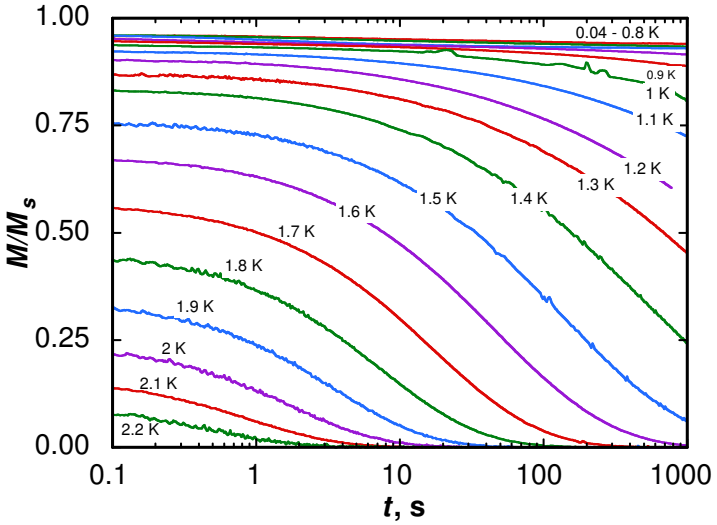

Figure S6. The reduced magnetization, M/M_s vs time decay obtained at zero dc applied field for a single crystal of **1**.