

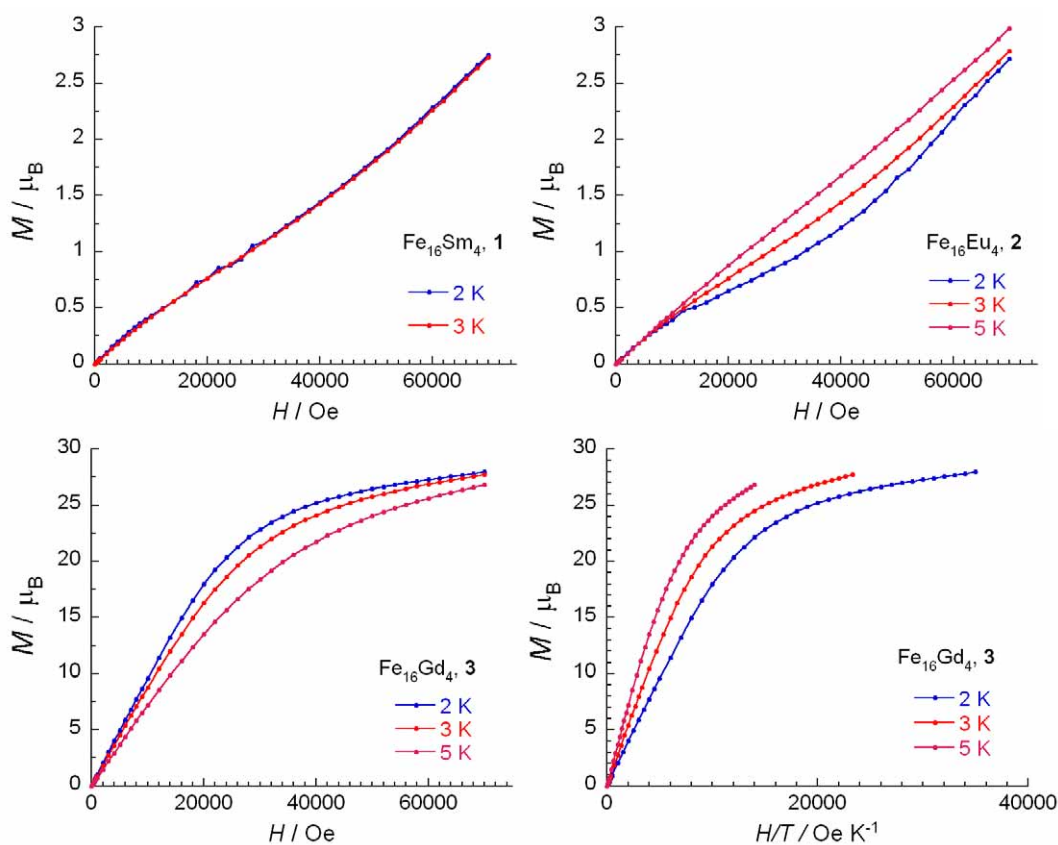
Supplementary information

Heterometallic 20-Membered $\{\text{Fe}_{16}\text{Ln}_4\}$ (Ln = Sm, Eu, Gd, Tb, Dy, Ho) Metallo-Ring Aggregates

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Magnetic measurements:



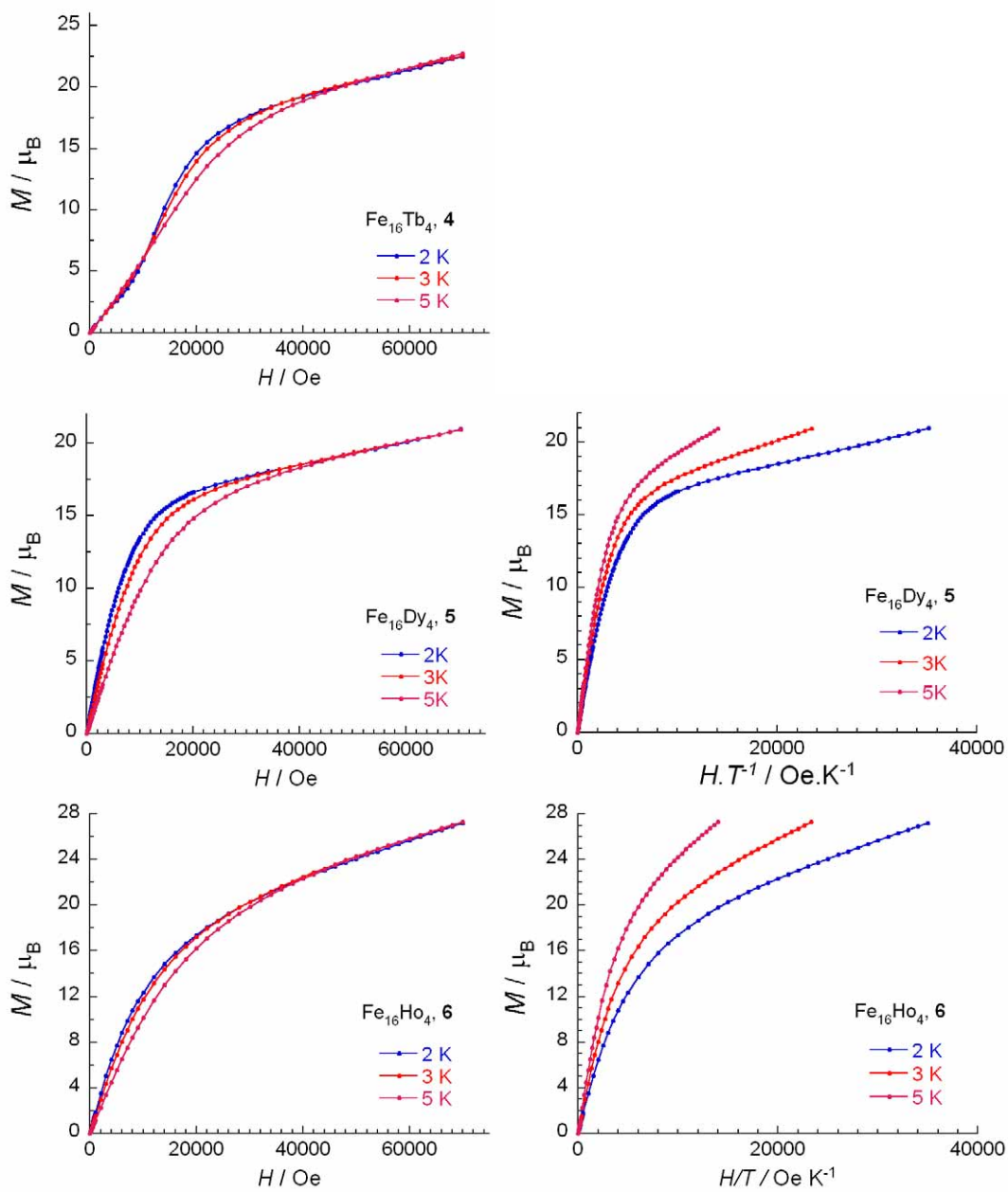


Figure S1. The field dependence of magnetisation of compounds 1 - 6 at indicated temperatures.

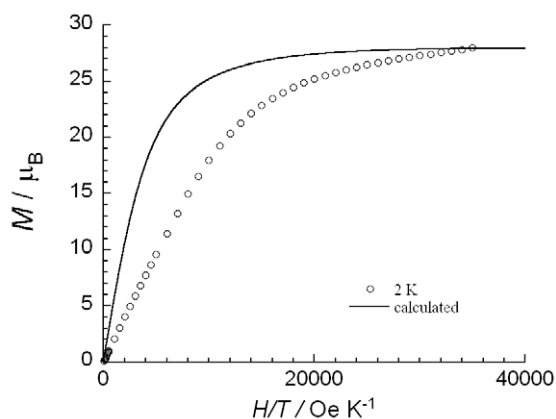


Figure S2: Field dependence of experimental magnetisation of **3** (open circles) together with the calculated magnetisation for the uncoupled sum of 4 $S=7/2$ spins assuming $g=2.0$ (solid line).

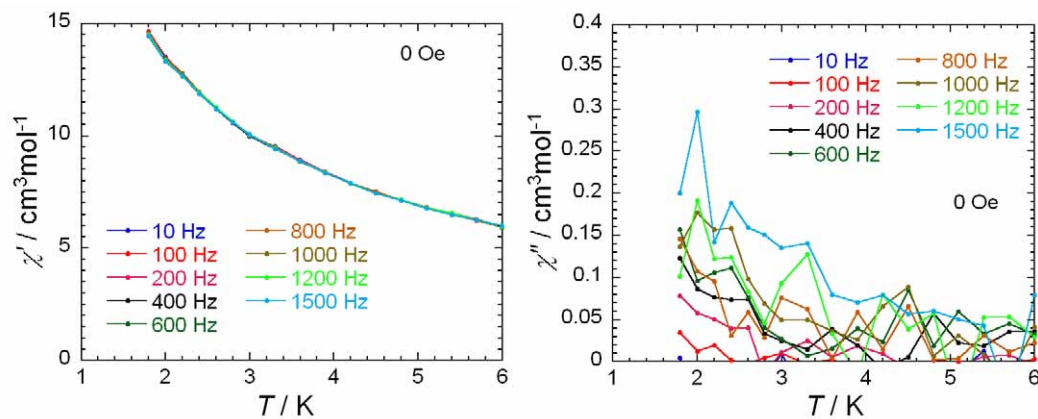


Figure S3. Temperature dependence of the in-phase and the out-of-phase ac susceptibility components at different frequencies under zero dc field for $\text{Fe}_{16}\text{Dy}_4$, **5**.

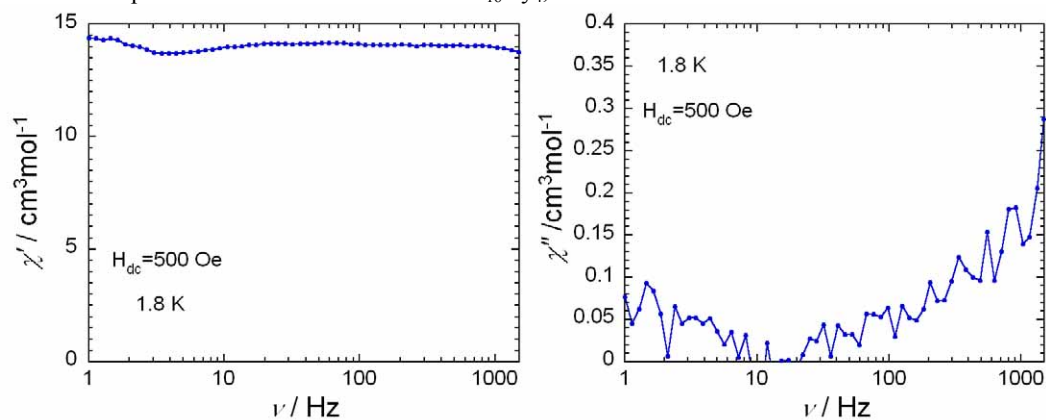


Figure S4. Frequency dependence of the in-phase and the out-of-phase ac susceptibility components at 1.8 K under a dc field of 500 Oe for $\text{Fe}_{16}\text{Dy}_4$, **5**.