

## Coordination-perturbed single-molecule magnet behavior of mononuclear dysprosium complexes

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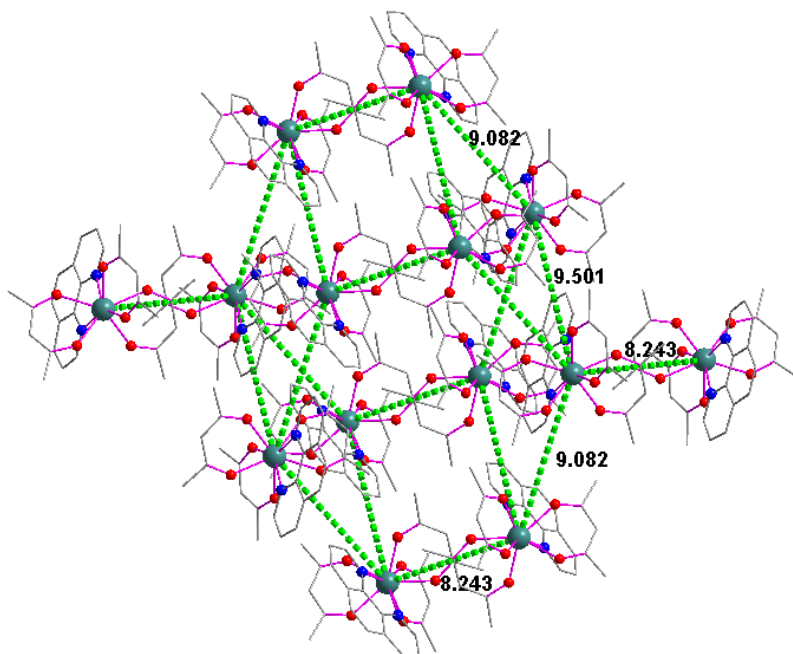


Fig. S1 Packing diagram of compound 1

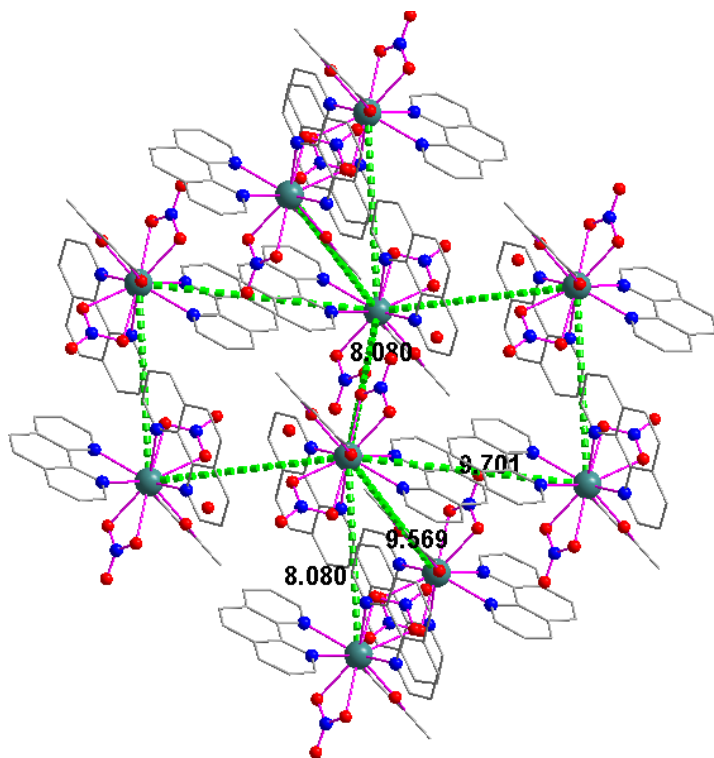
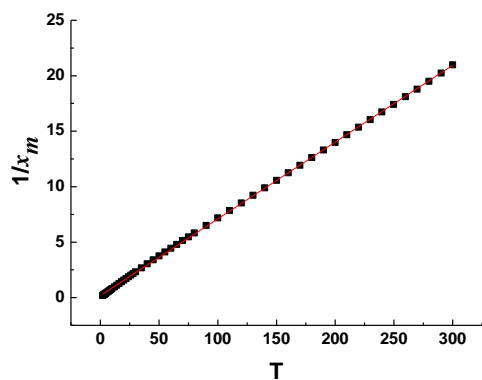
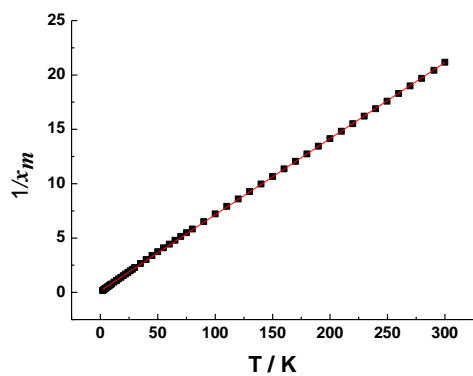


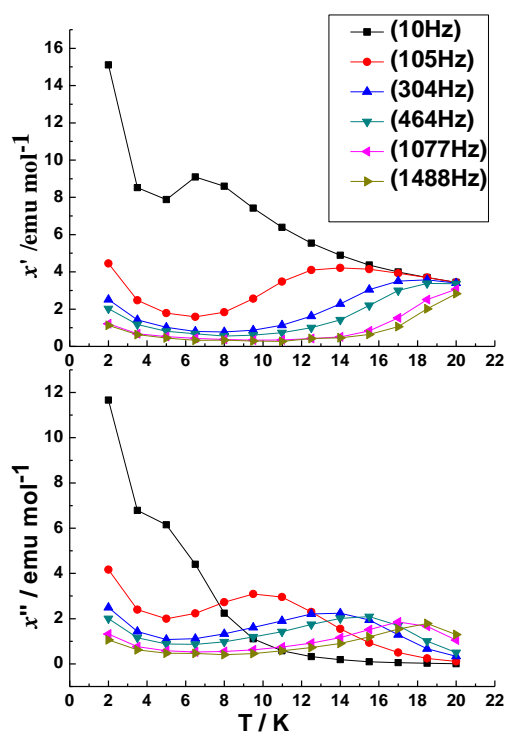
Fig. S2 Packing diagram of compound 2



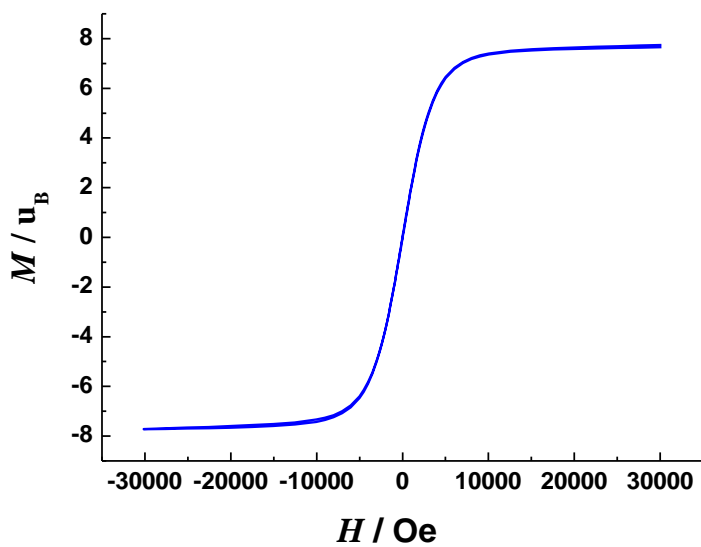
**Fig. S3** A fit of the experimental data to a Curie-Weiss law of complex **1**



**Fig. S4** A fit of the experimental data to a Curie-Weiss law of complex **2**



**Fig S5** The temperature dependence of ac susceptibility at frequencies from 10 to 1488 Hz for **1**



**Fig. S6**  $M$  vs.  $H$  data of **1** at 2 K emphasizing the absence of significant magnetic hysteresis loop