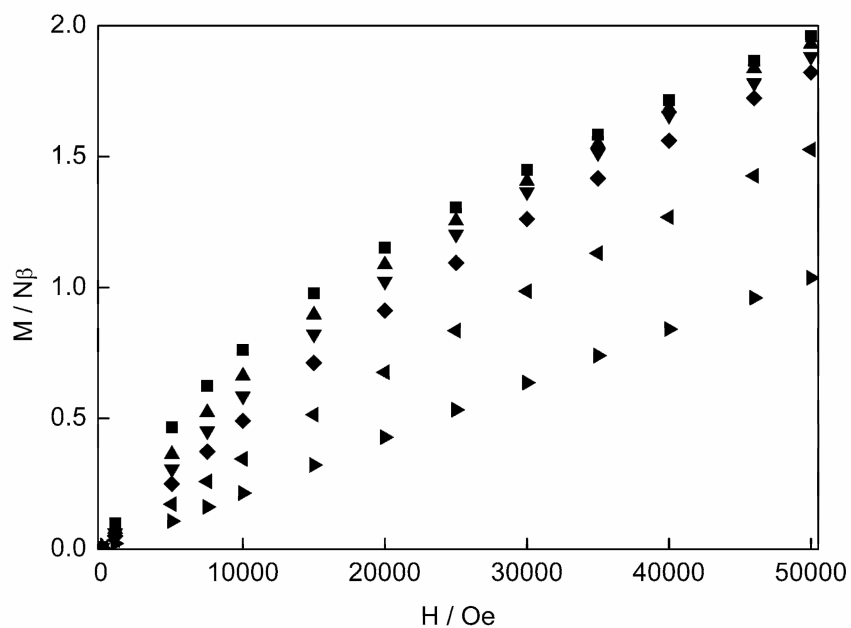


## Supplementary information



**Figure S1.** Isothermal plots of reduced magnetisation,  $M/N\beta$ , per Fe(II), for  $[\text{C}(\text{NH}_2)_3]_8[\text{Fe}_4(\text{cit})_4] \cdot 8\text{H}_2\text{O}$  measured between 2 (top) and 20 K (bottom) in fields of 0 – 5 T.

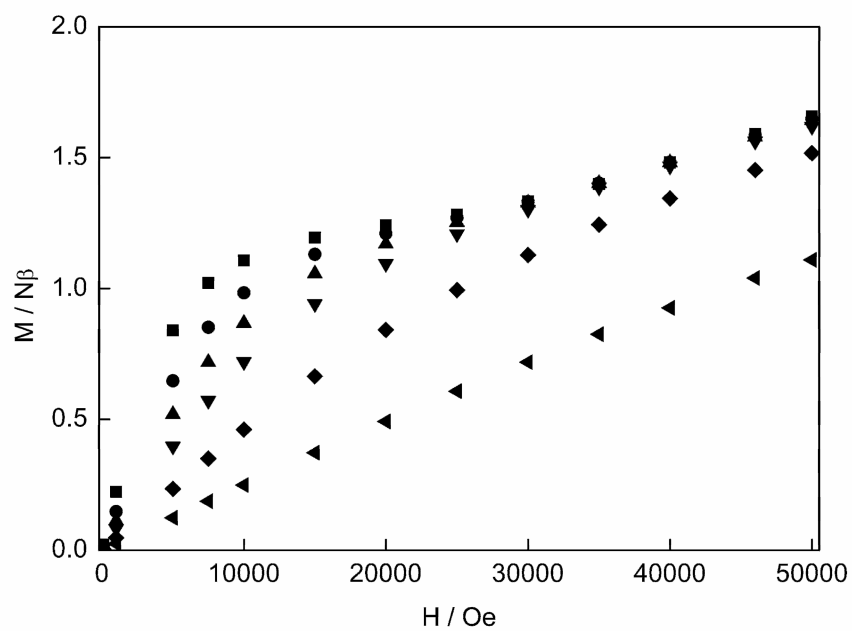


Figure S2. Isothermal plots of reduced magnetisation,  $M/N\beta$ , per Co(II), for  $[\text{C}(\text{NH}_2)_3]_8[\text{Co}_4(\text{cit})_4] \cdot 8\text{H}_2\text{O}$  measured between 2 (top) and 20 K (bottom) in fields of 0 – 5 T.