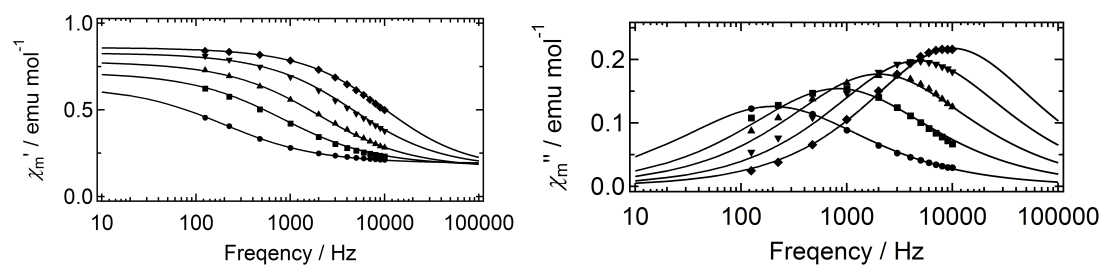


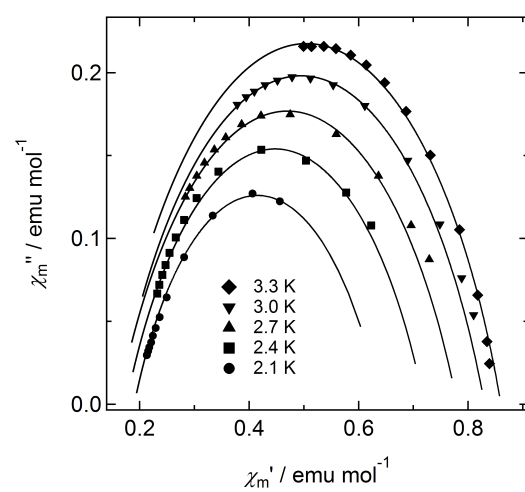
**Supplementary materials**

**Achiral Single Molecule Magnet and Chiral Single Chain Magnet**

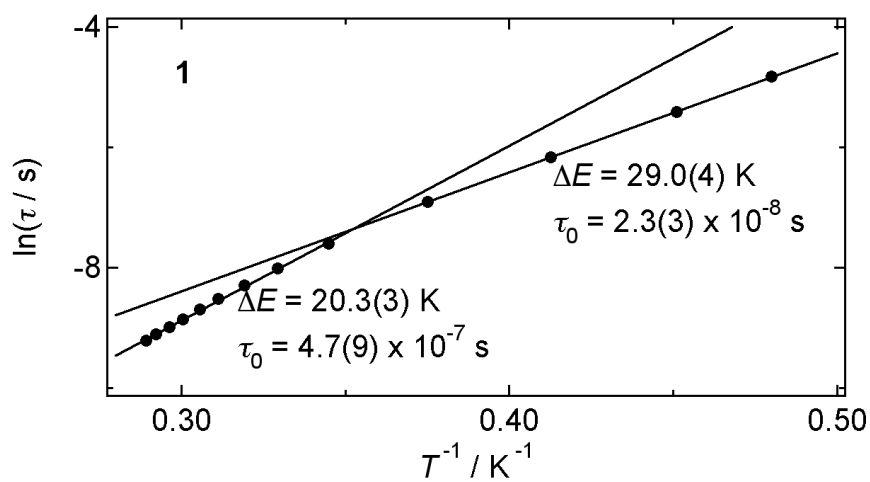
**N. Hoshino, Y. Sekine, M. Nihei, and H. Oshio\***



Frequency-dependent ac susceptibilities



Cole-Cole plots

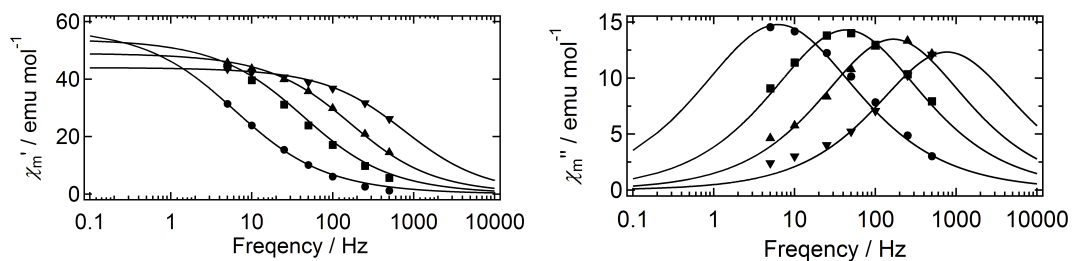


Arrhenius plot

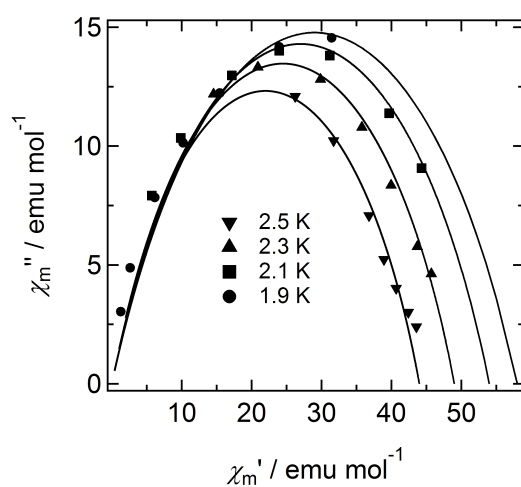
Figure S1. Frequency-dependent ac susceptibilities, Cole-Cole plots, and Arrhenius plot for **1**.

Table S1. Fitting Parameters for  $\chi'$  and  $\chi''$  data of **1**

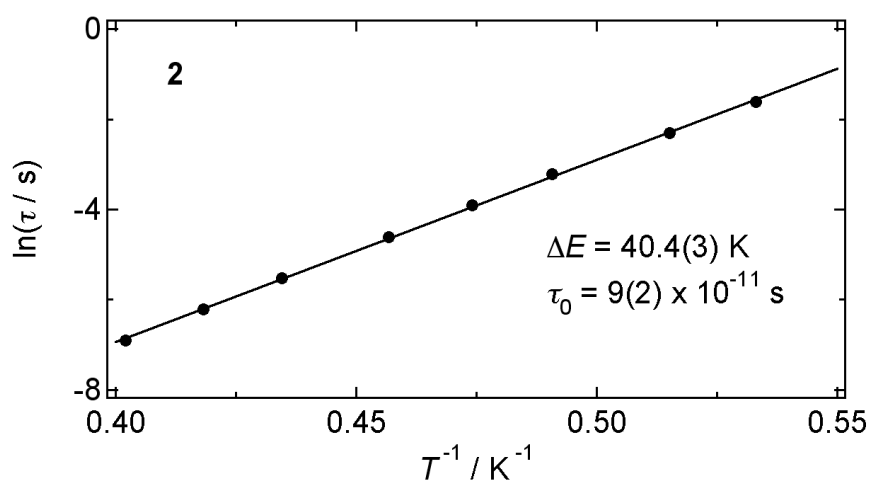
$T / \text{K}$	2.1	2.4	2.7	3.0	3.3
$\chi_{\text{S}} / \text{emu mol}^{-1}$	0.19	0.175	0.16	0.16	0.15
$\chi_{\text{T}} / \text{emu mol}^{-1}$	0.64	0.72	0.78	0.83	0.86
$\alpha$	0.35	0.345	0.34	0.32	0.3
$\tau / \text{s}$	0.005	0.0012	0.0005	0.00021	0.0001



Frequency-dependent ac susceptibilities



Cole-Cole plots



Arrhenius plot

Figure S2. Frequency-dependent ac susceptibilities, Cole-Cole plots, and Arrhenius plot for **2**.

Table S2. Fitting parameters for  $\chi'$  and  $\chi''$  data of **2**

$T / \text{K}$	1.9	2.1	2.3	2.5
$\chi_{\text{S}} / \text{emu mol}^{-1}$	0	0	0	0
$\chi_{\text{T}} / \text{emu mol}^{-1}$	58	54	48	43
$\alpha$	0.42	0.38	0.35	0.31
$\tau / \text{s}$	0.16	0.023	0.005	0.0011