Supporting Information

A $Mn^{III}_2Ni^{II}$ single-chain magnet separated by a Zeolite-like network of BPh_4^- anions

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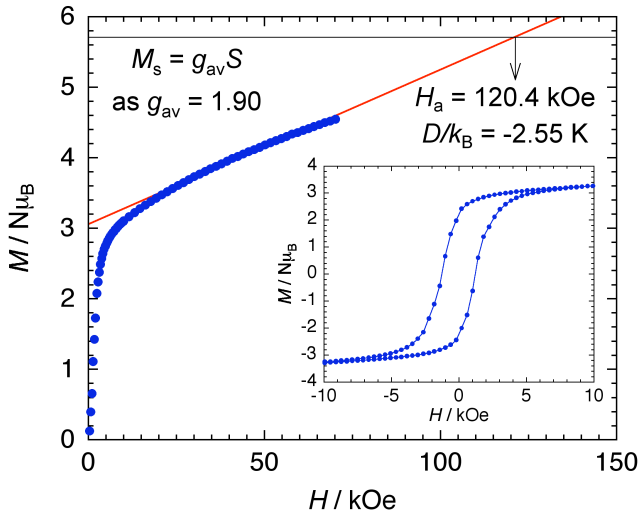

Fig. S1. Field dependence of the initial magnetization on a polycrystalline sample of **Mn_2Ni-BPh_4** at 1.82 K. The solid red line represents a least-square linear fit between 40 – 70 kOe and the solid black line represents the value of $M_s = g_{av}S$ as S = 3 and g_{av} = 1.90 estimated from the simulation of high temperature susceptibilities. Inset: the magnetization variation by field sweep between ±70 kOe.

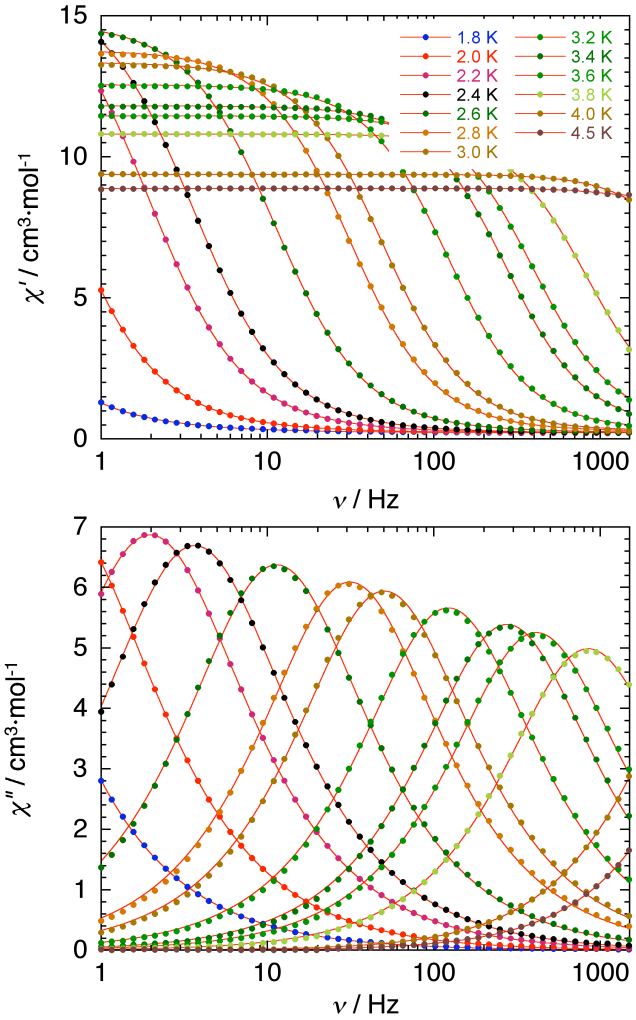

Fig. S2. Frequency dependence of ac susceptibility measured at several temperatures in the range of 1.8 – 4.5 K. Solid curves represent the least-squared fit using a generalized Debye model with $\alpha < 0.1$ through the measured temperature range.

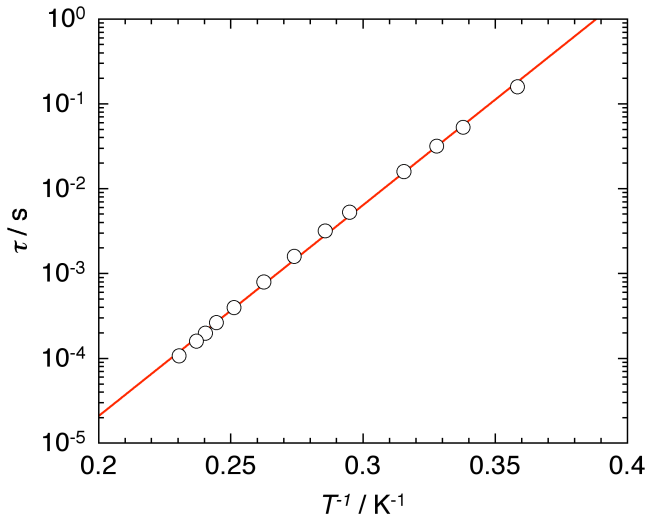

Fig. S3. Relaxation time (τ) vs. $1/T$ of **Mn_2Ni-BPh_4**. Solid line represents the least-squares exponential fitting curve.