

Cyanide-bridged decanuclear cobalt-iron cage

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Supporting Information

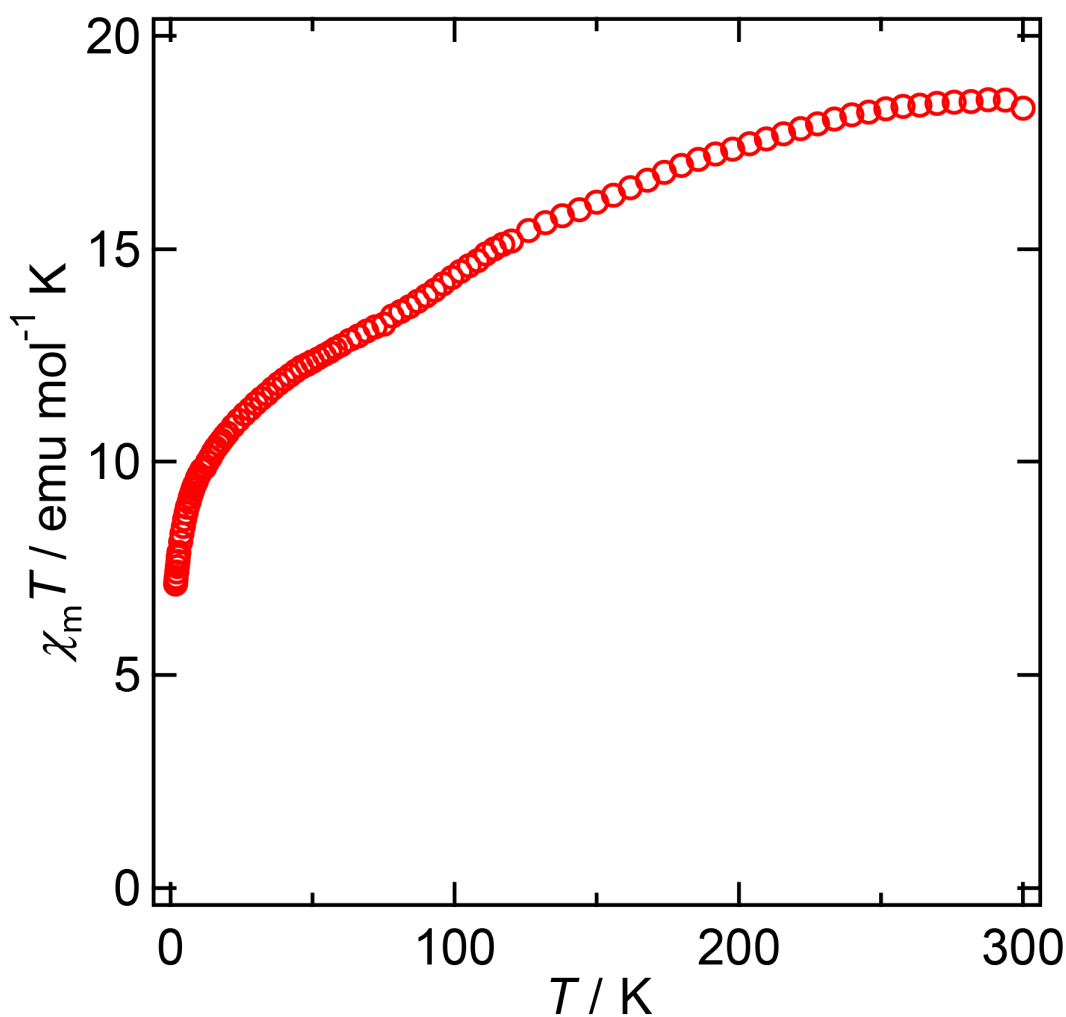


Figure S1 Temperature dependent magnetic susceptibility of **1'**.

Table S1. Mössbauer parameters of **1** and **1'**. Least-squares-fit parameters: δ_s , ΔE_Q , Γ and A are isomer shifts, quadrupole splitting, Lorentzian linewidth, and area ratio, respectively. Parameters were calculated relative to metallic iron.

	Spin state	δ_s [mm s ⁻¹]	ΔE_Q [mm s ⁻¹]	Γ [mm s ⁻¹]	A [%]
1 (100K)	Fe(II)LS	0.00	0.16	0.28	1.00
1' (300 K)	Fe(II)LS	-0.03	0.18	0.31	0.48
	Fe(III)LS	-0.09	0.82	0.31	0.26
	Fe(III)LS	-0.12	0.65	0.31	0.26
1' (100 K)	Fe(II)LS	0.01	0.17	0.28	0.52
	Fe(III)LS	-0.04	0.82	0.28	0.24
	Fe(III)LS	-0.05	1.12	0.28	0.24