Perfect Kagomé lattice in YCu₃(OH)₆Cl₃:

A new candidate for the quantum spin liquid state

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Figure S1. SEM images and EDS spectra of the powder sample (a, c) and single crystal (b, d) of $YCu_3(OH)_6Cl_3$, demonstrating the growth rates of the {10-10} and {0001} faces associated with the Cu–O–Cu chains (e) and the Y–Cl–Y chains (f), respectively.



Figure S2. Temperature dependent magnetic AC-susceptibility, $\chi(T) = \chi'(T) + i\chi''(T)$, obtained at different frequencies in a zero DC field (a, b) and 3000 Oe AC field (c, d).