Constructing porous frameworks from one-dimensional cobalt–oxygen clusters and pyridinedicarboxylate ligands adopting two rare coordination modes

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Supplementary Information
Figure S1. Various coordination modes of 2,4-pydc ligand summarized from Cambridge Structural Database.

(This work)
Figure S2. FT-IR spectroscopy of 1.
Figure S3. TGA curves of 1.
Figure S4. XPRD patterns of (a) the simulated, (b) as-synthesized, and (c) evacuated at 70 °C for 24 h for 1.
Figure S5. Perspective view of the 3-D framework in 2, showing square channels along the $c$ direction.