Supporting Information

Cobalt(II), nickel(II), manganese(II) and zinc(II) metal–organic frameworks Constructed with the newly designed 2-(Pyridin-4-yl)-4,6-Pyrimidine Dicarboxylic Acid Ligand: Syntheses, Crystal Structures and Properties

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Figure S1. View of a 3D net in 1 looking along the $b$ axis.

Figure S2. View of the coordination environment of the Ni1 center in 2 with a labeling scheme and 30% thermal ellipsoids.
**Figure S3.** Comparison of the experimental and simulated PXRD patterns. In each group, the top is the experimental pattern and the bottom is the simulated one.