Supporting Information

Two Microporous Metal-Organic Frameworks with Different Topologies Constructed from Trinuclear $\text{M}_3(\text{COO})_n$ Secondary Building Units

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**Fig. S1.** The coordination environment in 1 (The amino groups are 2-fold disordered)

**Fig. S2.** The coordination environment in 2 (The amino groups and NH$_2$BDC ligands as pillars are 2-fold disordered)
Fig. S3. Thermogravimetric analysis (TGA) of 1

Fig. S4. Thermogravimetric analysis (TGA) of 2
**Fig. S5.** PXRD patterns of 1

![PXRD patterns of 1](image)

**Fig. S6.** The head-to-end connected type of ligands linking the trinuclear SBUs in 1 (The amino groups and the hydrogen atoms were omitted for clarity).
**Fig. S7.** The head-to-head or end-to-end connected type of ligands linking the trinuclear SBUs in 2 (The ligands as pillars, the amino groups, and the hydrogen atoms were omitted for clarity).