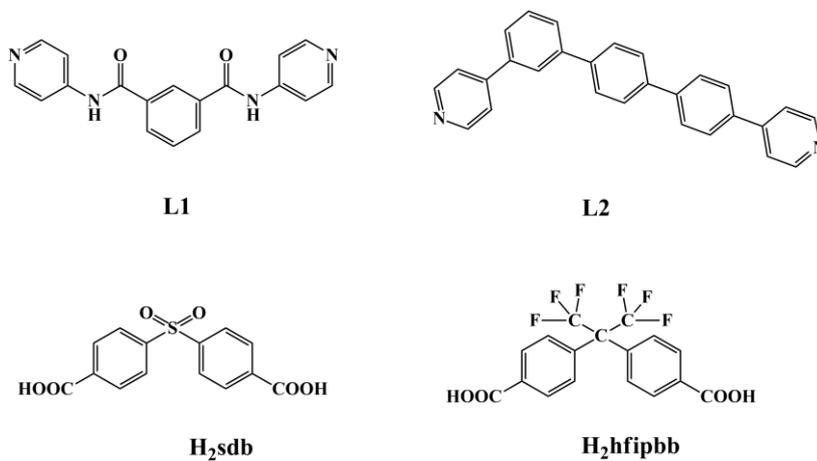
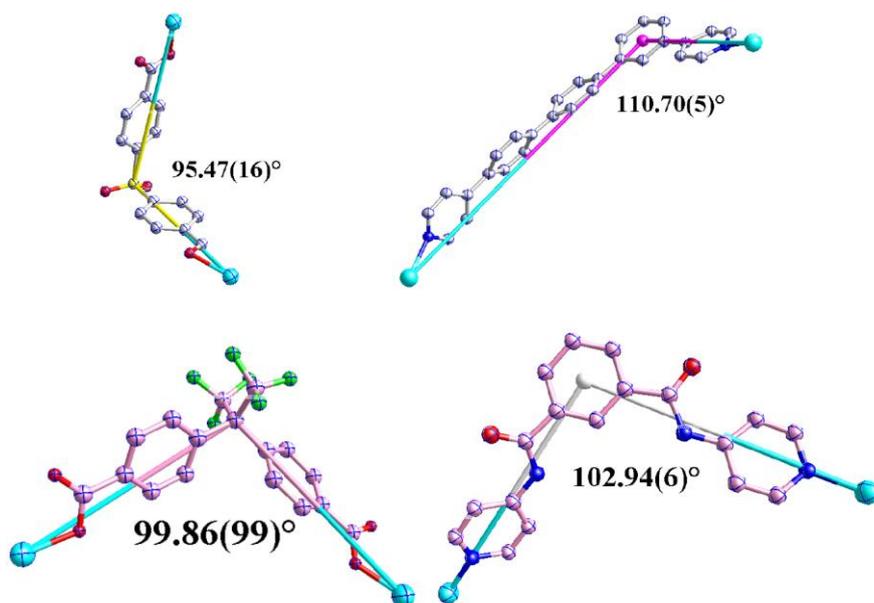


**Parallel entanglement variations in two coordination polymers  
derived from symmetrical and unsymmetrical V-shaped ligands**

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**Scheme S1** Symmetrical L1 and unsymmetrical L2, and V-shaped carboxylate ligands.



**Figure S1** The configuration for V-shaped ligand in different compounds.

**Table S1** Selected bond lengths (Å) and angles (deg) for complexes **1** and **2**.

Complex <b>1</b>			
Cd1-N1	2.367(8)	Cd1-N2	2.351(8)
Cd1-O1	2.406(5)	Cd1-O2	2.442(5)
Cd1-O3	2.510(5)	Cd1-O4	2.376(6)
Cd1-O5	2.357(5)	N1- Cd1-N2	170.7(2)
N1- Cd1-O1	83.4(3)	N1- Cd1-O2	88.88(9)
N1- Cd1-O3	110.1(2)	N1- Cd1-O4	82.7(2)
N1- Cd1-O5	84.1(2)	N2- Cd1-O1	92.9(3)
N2- Cd1-O2	89.6(3)	N2- Cd1-O3	78.6(2)
N2- Cd1-O4	100.9(2)	N2- Cd1-O5	87.5(2)
O1- Cd1-O2	54.1(2)	O1- Cd1-O3	87.65(9)
O1- Cd1-O4	166.0(3)	O1- Cd1-O5	91.73(19)
O2 - Cd1-O3	80.08(18)	O2 - Cd1-O4	125.3(2)
O2 - Cd1-O5	145.77(18)	O3 - Cd1-O4	53.23(18)
O3 - Cd1-O5	133.56(16)	O4 - Cd1-O5	87.3(2)

Complex 2

Zn1-N1 <sup>a</sup>	2.030(4)	Zn1- N4	2.041(4)
Zn1-O3	1.934(3)	Zn1-O5 <sup>b</sup>	1.931(4)
N1 <sup>a</sup> - Zn1-N4	106.41(16)	N1 <sup>a</sup> - Zn1-O3	117.70(17)
N1 <sup>a</sup> - Zn1-O5 <sup>b</sup>	96.18(16)	N4- Zn1-O3	94.61(16)
N4 - Zn1- O5 <sup>b</sup>	122.70(18)	O3- Zn1- O5 <sup>b</sup>	120.11(15)

Symmetry Codes: for **1**: a = x, 1 + y, 1 + z; b = x, 1 + y, z.