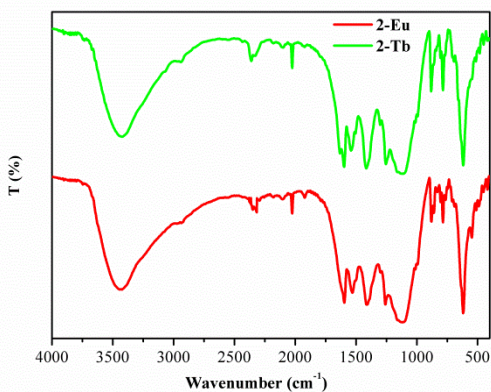
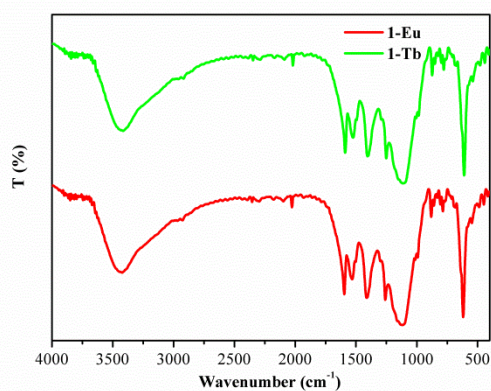
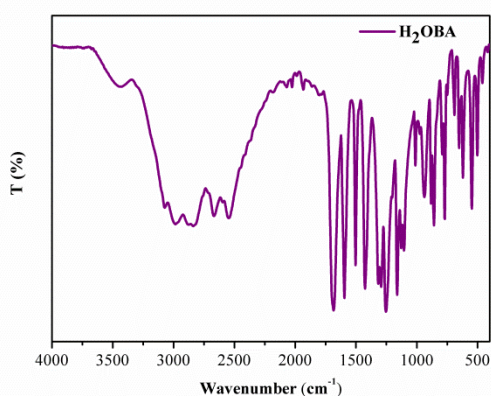


Supporting Information

Structural Diversity of Luminescent Lanthanide Metal-Organic Frameworks based on a V-Shaped Ligand

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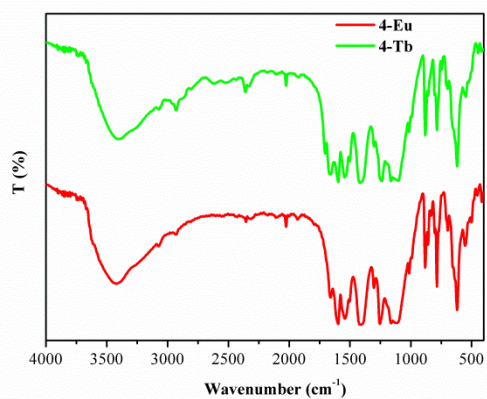
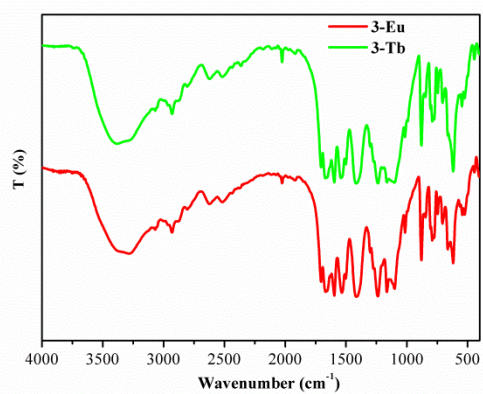
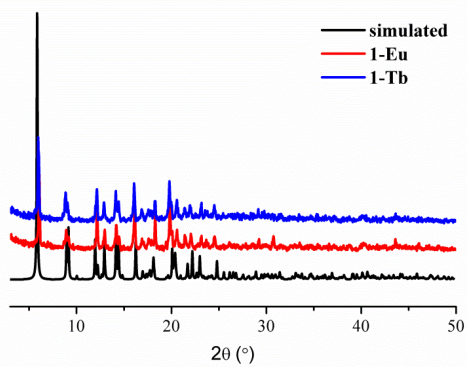


Figure S1. Infrared spectra of the ligand and complexes **1-4**.



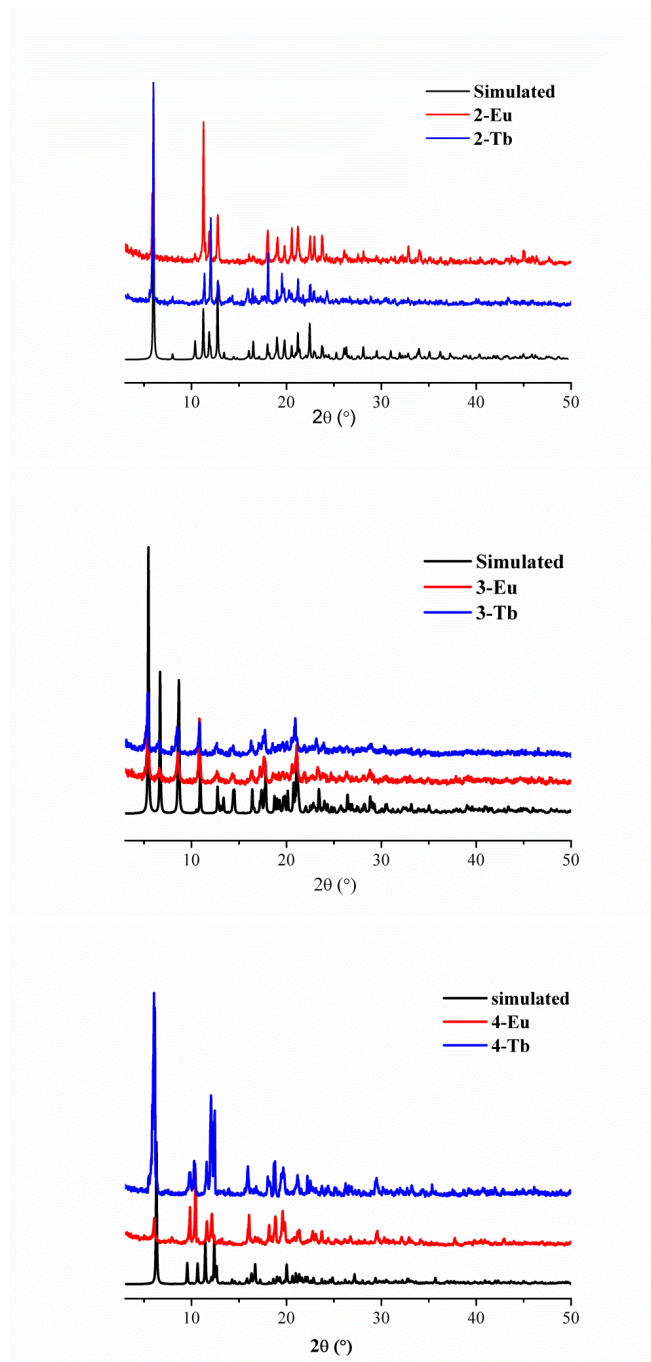
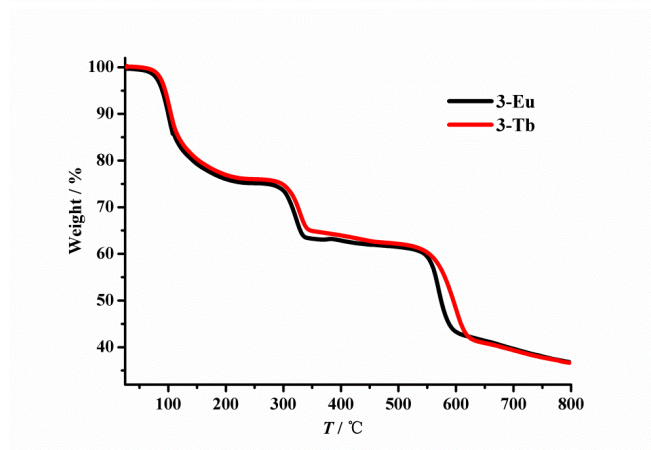
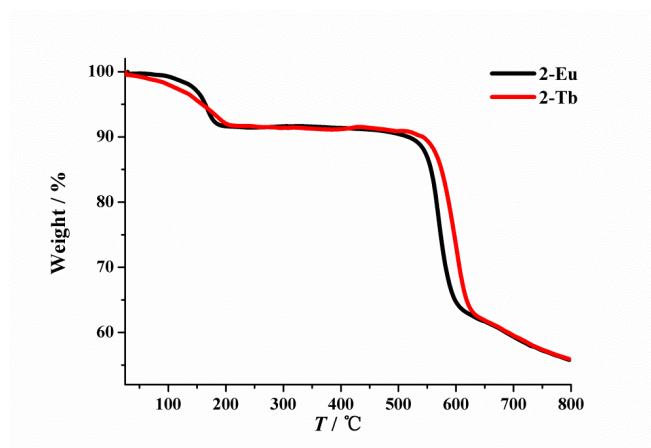
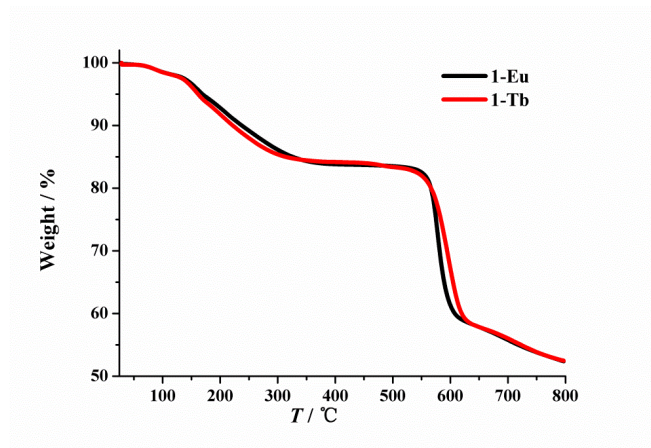


Figure S2. The simulated patterns from single crystal data and experimental PXRD patterns of all complexes.



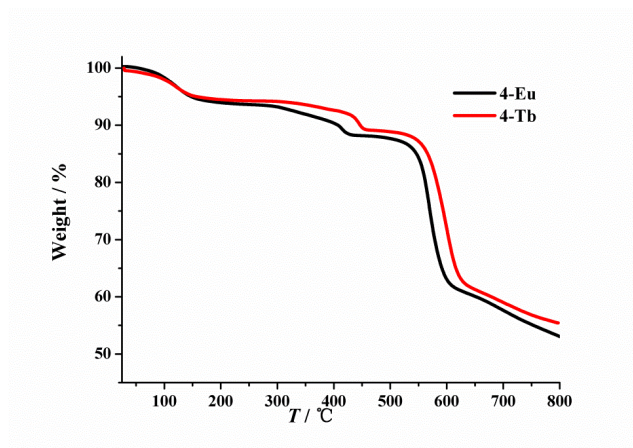


Figure S3. Thermogravimetric curve of all complexes.

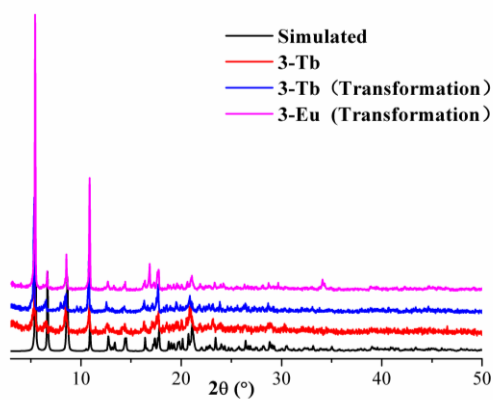


Figure S4. PXRD pattern of the transformation from **4** to **3**.

Table S1. Important IR bands of the ligands and Ln-MOFs(**1-4**). (cm^{-1})

Complexes	$\nu_{\text{C=O}}$	$\nu_{\text{as}}(\text{COO}^-)$	$\nu_{\text{s}}(\text{COO}^-)$
H ₂ OBA	1683	—	—
1-Eu	—	1598	1413
1-Tb	—	1596	1412
2-Eu	—	1596	1411
2-Tb	—	1598	1415
3-Eu	—	1596	1413
3-Tb	—	1596	1415
4-Eu	—	1597	1410
4-Tb	—	1597	1414