

## Description of Additional Supplementary Files

**File Name:** Supplementary Data 1

**Description:** X-ray crystallography data of  $\text{Tb}_2(\text{L}2^{\text{SS}})_3$

**File Name:** Supplementary Data 2

**Description:** X-ray crystallography data of  $\text{Eu}_4(\text{L}1^{\text{SS}})_6$