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## **Supporting Information**

To the paper entitled

## Rich synthetic and structural chemistry of polynuclear Pb(II)-Cu(I)/Ag(I) heterobimetallic thiolate clusters, their decomposition and generation of a Cu(II) hydrosulfide variant

Geetika Gupta and Subrato Bhattacharya\*

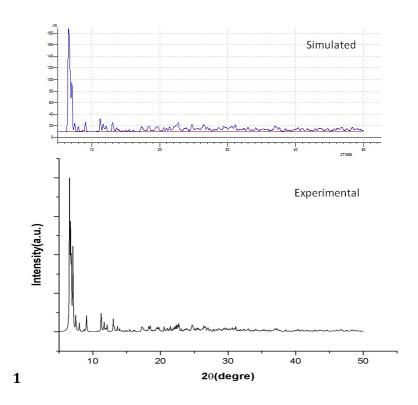


Figure S1. Experimental and simulated powder X-ray diffraction pattern of **1**.

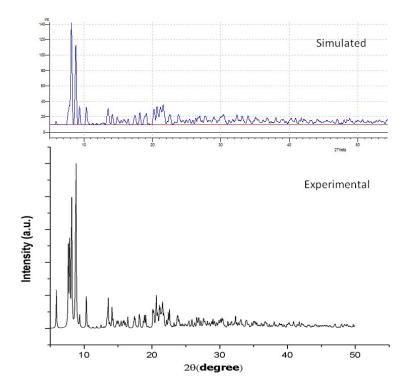


Figure S2. Experimental and simulated powder X-ray diffraction pattern of **2**.

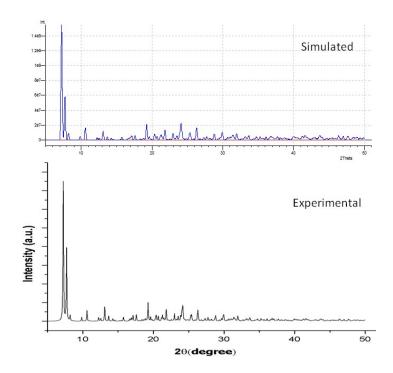


Figure S3. Experimental and simulated powder X-ray diffraction pattern of **3**.

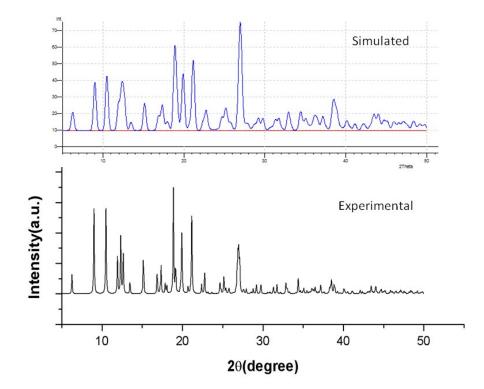


Figure S4. Experimental and simulated powder X-ray diffraction pattern of **4**.