Electronic Supplementary Information for Dalton Transactions

A new family of octanuclear Cu_4Ln_4 (Ln = Gd, Tb and Dy) spin clusters

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Supporting Information

Table S1.

Bond valence sum calculations for **1**

	Cu(I)	Cu(II)	Cu(III)
Cu1	1.606	1.837	2.310
Cu2	1.640	1.811	2.360
	Gd(III)		
Gd1	2.956		
Gd2	2.971		

Table S2.

Bond valence sum calculations for **2**

	Cu(I)	Cu(II)	Cu(III)
Cu1	1.594	1.817	2.291
Cu2	1.619	1.788	2.331
	Tb(III)		
Tb1	2.932		
Tb2	3.004		

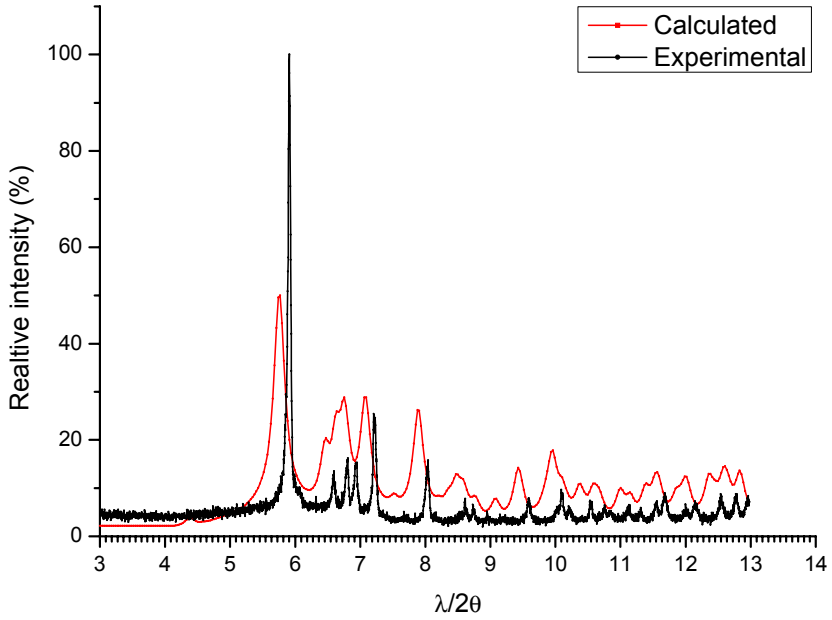

Fig. S1. Plot of intensity vs 2θ/λ for powder diffraction data for **1**.

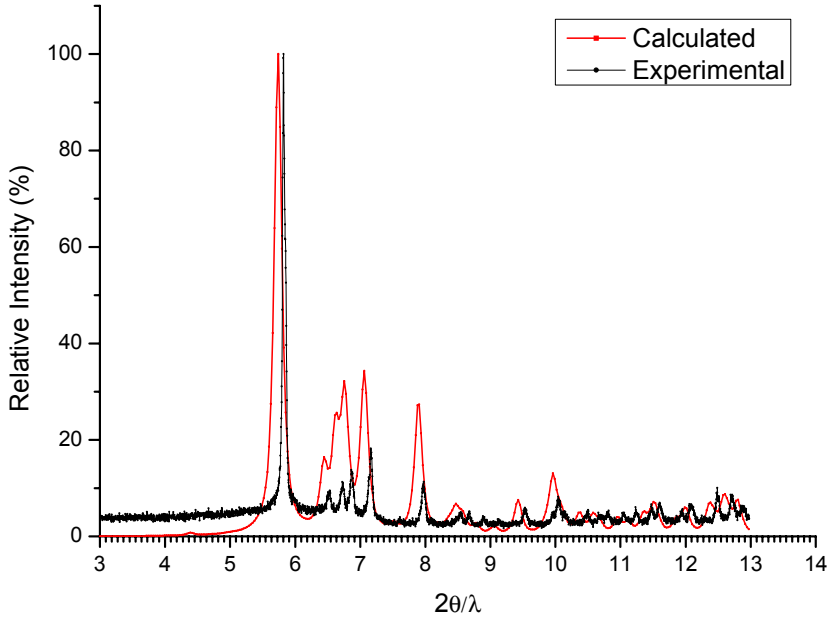

Fig. S2. Plot of intensity vs 2θ/λ for powder diffraction data for **2**.