Electronic Supporting Information for

Magnetic properties of $Ln_2\text{CoGe}_4\text{O}_{12}$ and $Ln\text{BCoGe}_4\text{O}_{12}$
($Ln = \text{Gd, Tb, Dy, Ho, Er}; B = \text{Sc, Lu}$)

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Figure S1  (a) Observed (red) and calculated (green) neutron diffraction profiles for Tb$_2$CoGe$_4$O$_{12}$ recorded using $\lambda = 2.4397$ Å at 300 K; a difference curve is also shown. Upper and lower vertical markers indicate magnetic and structural reflection positions, respectively.

(b) Observed (red) and calculated (green) neutron diffraction profiles for Tb$_2$CoGe$_4$O$_{12}$ recorded using $\lambda = 1.622$ Å at 1.5 K; a difference curve is also shown. Upper and lower vertical markers indicate magnetic and structural reflection positions, respectively.

(c) Observed (red) and calculated (green) neutron diffraction profiles for TbScCoGe$_4$O$_{12}$ recorded using $\lambda = 1.622$ Å at 1.5 K; a difference curve is also shown. Upper and lower vertical markers indicate magnetic and structural reflection positions, respectively.

Figure S2  Expanded view of the fits to the low-angle regions of the 1.5 K diffraction profiles of (a) Tb$_2$ScCoGe$_4$O$_{12}$ and (b) TbScCoGe$_4$O$_{12}$. 
(a) $\text{Tb}_2\text{CoGe}_4\text{O}_{12}$ at 300 K, $\lambda = 2.4397$ Å

(b) $\text{Tb}_2\text{CoGe}_4\text{O}_{12}$ at 1.5 K, $\lambda = 1.622$ Å

(c) $\text{TbScCoGe}_4\text{O}_{12}$ at 1.5 K, $\lambda = 1.622$ Å

Figure S1
Figure S2