Figure SI1: View of the structures of compounds 6 (top) and 7 (bottom). $\mathrm{NbO}_{6}$ - cyan, Co - yellow, N - light green, C - dark green.

$\left[\mathrm{Co}\left(\mathrm{NH}_{3}\right)_{6}\right]_{3}\left[\mathrm{Nb}_{6} \mathrm{O}_{19} \mathrm{H}_{2}\right]$ Cubic, SG I23; a=14.302 A

$\left[\mathrm{Co}(\mathrm{en})_{3}\right]_{3}\left[\mathrm{Nb}_{6} \mathrm{O}_{\mathbf{1 9}} \mathrm{H}_{2}\right] \cdot \mathbf{1 0 H}_{2} \mathrm{O}$
SG R-3c; $\mathbf{a}=18.205 \AA, c=35.719 \AA$

