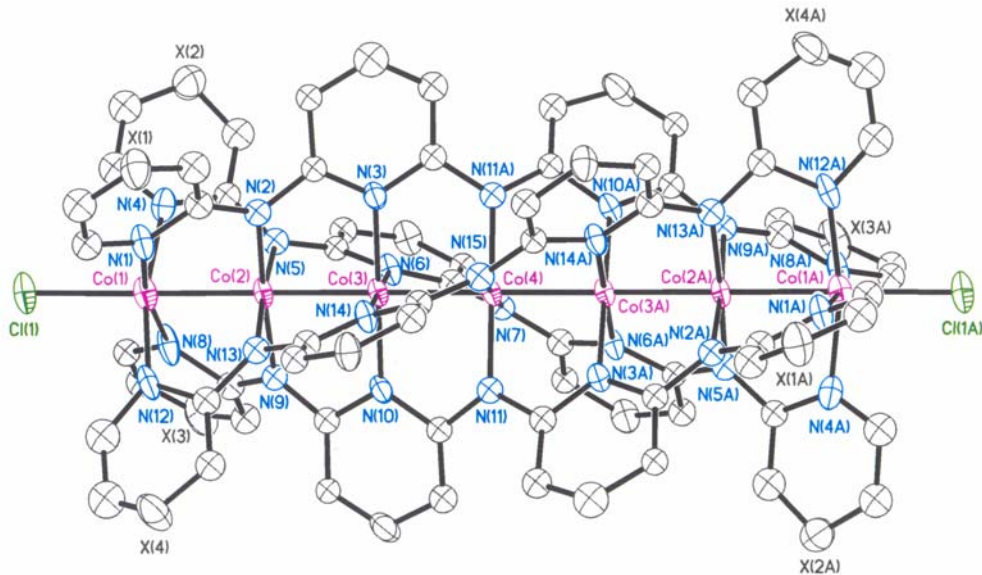


**Fig. 1S** The crystal structure of  $[\text{Co}_7(\mu_7\text{-pzpz})_4(\text{NCS})_2]$  (**4**). Atoms are drawn at the 50% probability level. Disordered atomic positions and hydrogen atoms are omitted for clarity. Label A was generated through the symmetric options  $-1-x, y$  and  $1/2-z$ .



**Fig. 2S** The crystal structure of  $[\text{Co}_7(\mu_7\text{-tpz})_4\text{Cl}_2]$  (**5**). Atoms are drawn at the 50% probability level. Disordered atomic positions and hydrogen atoms are omitted for clarity. Label A was generated through the symmetric options  $-x, y$  and  $1/2-z$ .