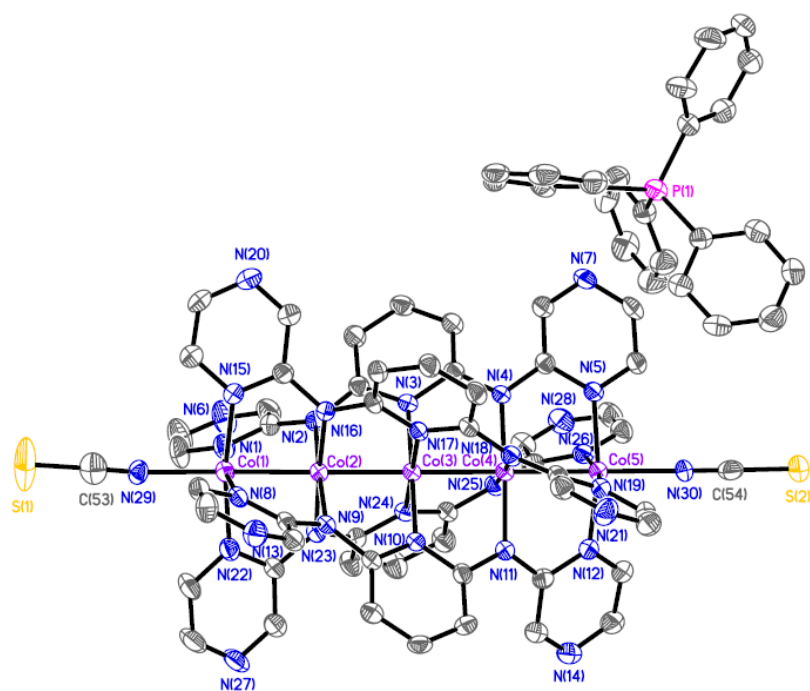


**Fig. S1** The molecular structure of  $(\text{Ph}_4\text{P})[\text{Co}_5(\mu_5\text{-dpzpda})_4\text{Cl}_2]$  (**3**). Atoms are drawn at the 50% probability level. Hydrogen atoms are omitted for clarity. Label A was generated through the symmetry operation  $(-x + 1, y, -z + 3/2)$ .



**Fig. S2** The molecular structure of  $(\text{Ph}_4\text{P})[\text{Co}_5(\mu_5\text{-dpzpda})_4(\text{NCS})_2]$  (**4**). Atoms are drawn at the 50% probability level. Hydrogen atoms are omitted for clarity.