Electronic Supplementary Information for Dalton Transactions

Electronic Supplementary Information for:

Coordination polymers with 4,4'-bipyrimidine. Using a combination of endo- and exodentate donors to build a one-dimensional Ag(I) ladder and a heterometallic $Co(II)Ag(I)_2$ network

Derek A. Beauchamp and Stephen J. Loeb*

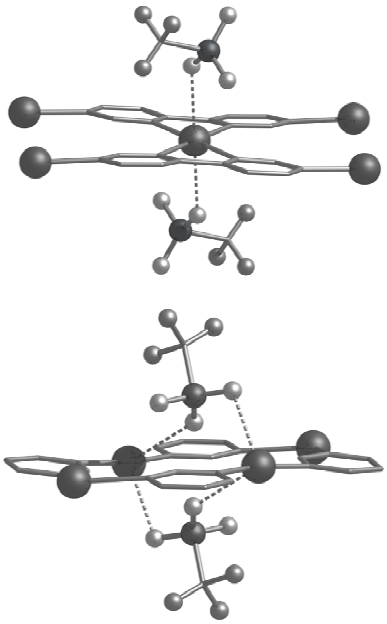

Fig. S-1 Top: A view of the X-ray structure of $[Ag_3\mathbf{L}_2][OTf]_3$ showing the interaction of OTf anions with square planar Ag1 centres. Bottom: A view of the X-ray structure of $[Ag_3\mathbf{L}_2][OTf]_3$ showing the interaction of OTf anions with linear Ag2 centres.

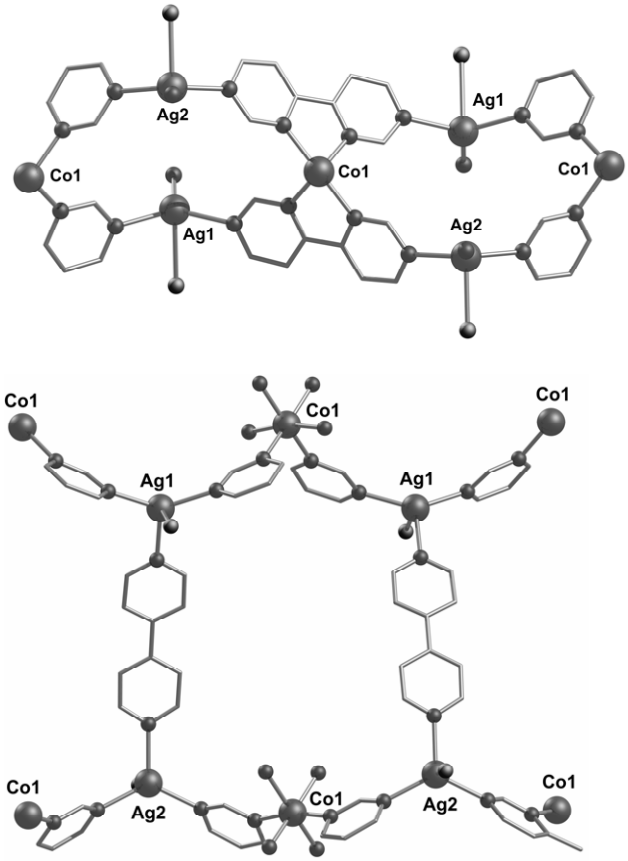

Fig. S-2 Top: A view of the X-ray structure of the network polymer $\{[CoAg_2L_3]^{4+}\}_x$ showing how the Co(II) centres are bridged by coordination to Ag(I) centers using the exodentate N-atoms of 4,4'-bipyrimidine. Bottom: A view of the X-ray structure of the same network polymer $\{[CoAg_2L_3]^{4+}\}_x$ rotated 90^O from above, showing how a third ligand of 4,4'-bipyrimidine, that is not coordinated to the Co(II) centres, bridges the Co(II) containing strands shown above.