

Supporting Information

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manuscript title: Heterometallic one-dimensional chain with tetradeca metal repetition constructed by amidate bridged dirhodium and pivalate bridged diplatinum complexes influenced by hydrogen bonding

name of the journal: *Dalton Transactions*

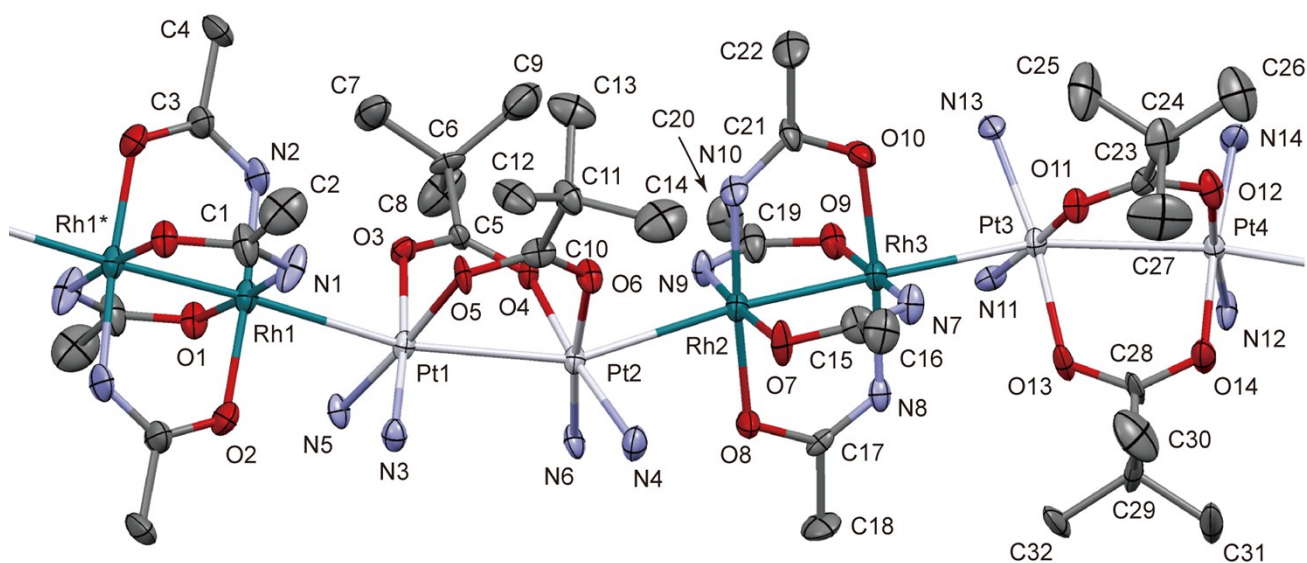


Figure S1. Crystal structure of $[\{\text{Rh}_2(\text{acam})_4\}_3\{\text{Pt}_2(\text{OPiv})_2(\text{NH}_3)_4\}_4](\text{ClO}_4)_8$ (**4**). The hydrogen atoms and ClO_4^- ions are omitted for clarity.

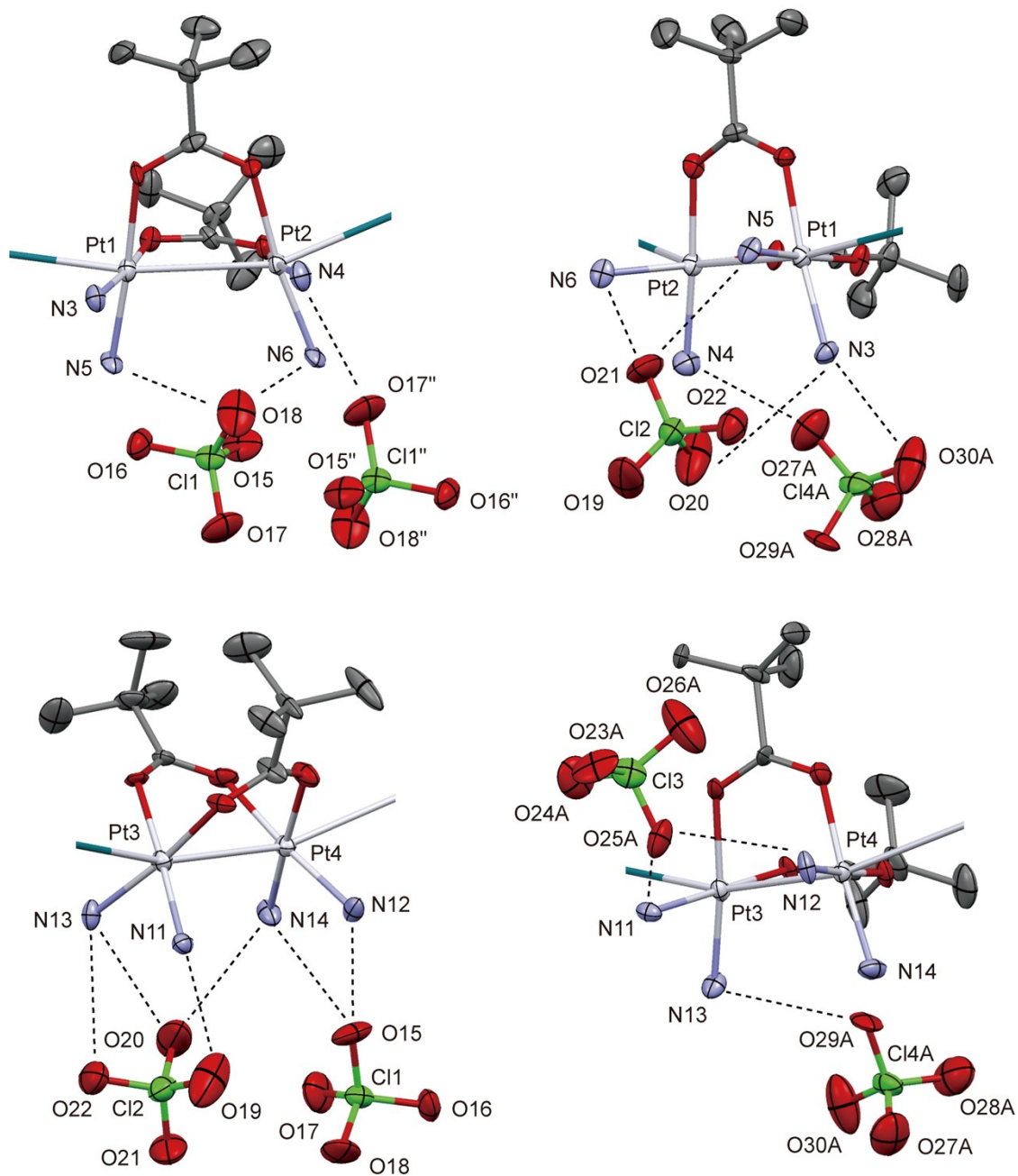


Figure S2. Hydrogen bonding fashion between 1-D chain and ClO_4^- . The hydrogen atoms are omitted for clarity.

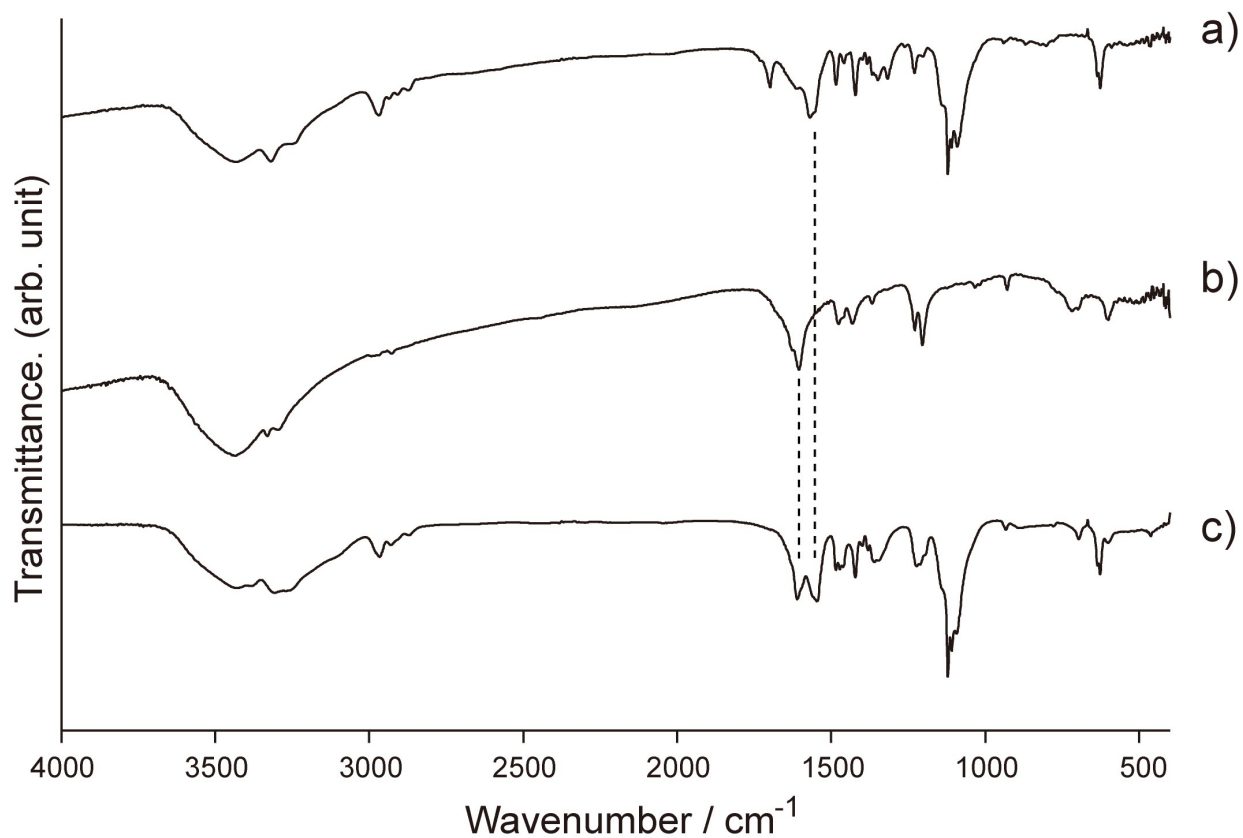


Figure S3. IR spectra of (a) $[\text{Pt}_2(\text{OPiv})_2(\text{NH}_3)_4](\text{ClO}_4)_2 \cdot \text{PivOH}$, (b) $[\text{Rh}_2(\text{acam})_4(\text{H}_2\text{O})_2] \cdot 6\text{H}_2\text{O}$, and (c) **4**. The bands around 1122 cm^{-1} are attributed to ClO_4^- anion. The $\nu(\text{C}-\text{O})$ bands around 1611 and 1546 cm^{-1} which are attributed to *acam* and *OPiv*, respectively, are slightly shifted from those original compounds, $[\text{Rh}_2(\text{acam})_4(\text{H}_2\text{O})_2] \cdot 6\text{H}_2\text{O}$ (1605 cm^{-1}) and $[\text{Pt}_2(\text{OPiv})_2(\text{NH}_3)_4](\text{ClO}_4)_2 \cdot \text{PivOH}$ (1570 cm^{-1}).