## Supporting Information to:

## Substitution Matters: Isolating Phosphorus Diiminopyridine Complexes

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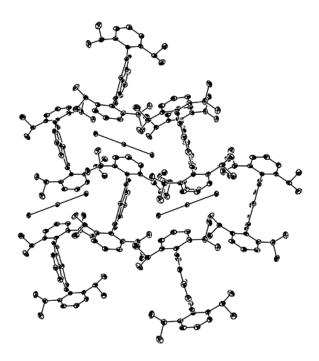


Fig. S1: Packing diagram of **2P[I<sub>3</sub>]**. Thermal ellipsoids are drawn to the 30% probability level. Hydrogen atoms and solvates are removed for clarity.

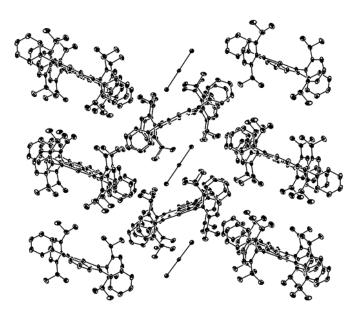


Fig. S2: Packing diagram of **3P[I<sub>3</sub>]**. Thermal ellipsoids are drawn to the 30% probability level. Hydrogen atoms are removed for clarity.

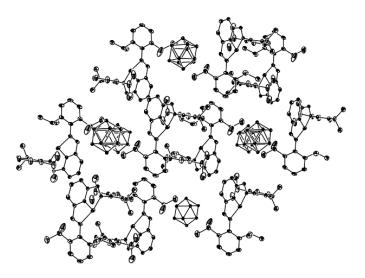


Fig. S3: Packing diagram of  $2P[B_{12}Cl_{12}]$ . Thermal ellipsoids are drawn to the 30% probability level. Hydrogen atoms and chloride atoms on the anion are removed for clarity.

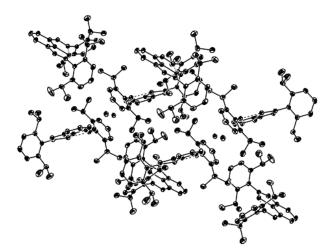


Fig. S4: Packing diagram of **2P[Br]**. Thermal ellipsoids are drawn to the 30% probability level. Hydrogen atoms and solvates are removed for clarity.