

Electronic Supplementary Information

A unified ligand electronic parameter based on ^{13}C NMR spectroscopy of N-Heterocyclic carbene complexes

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Molecular structures of complex probes ranked in order of increasing donor strengths of the co-ligand.

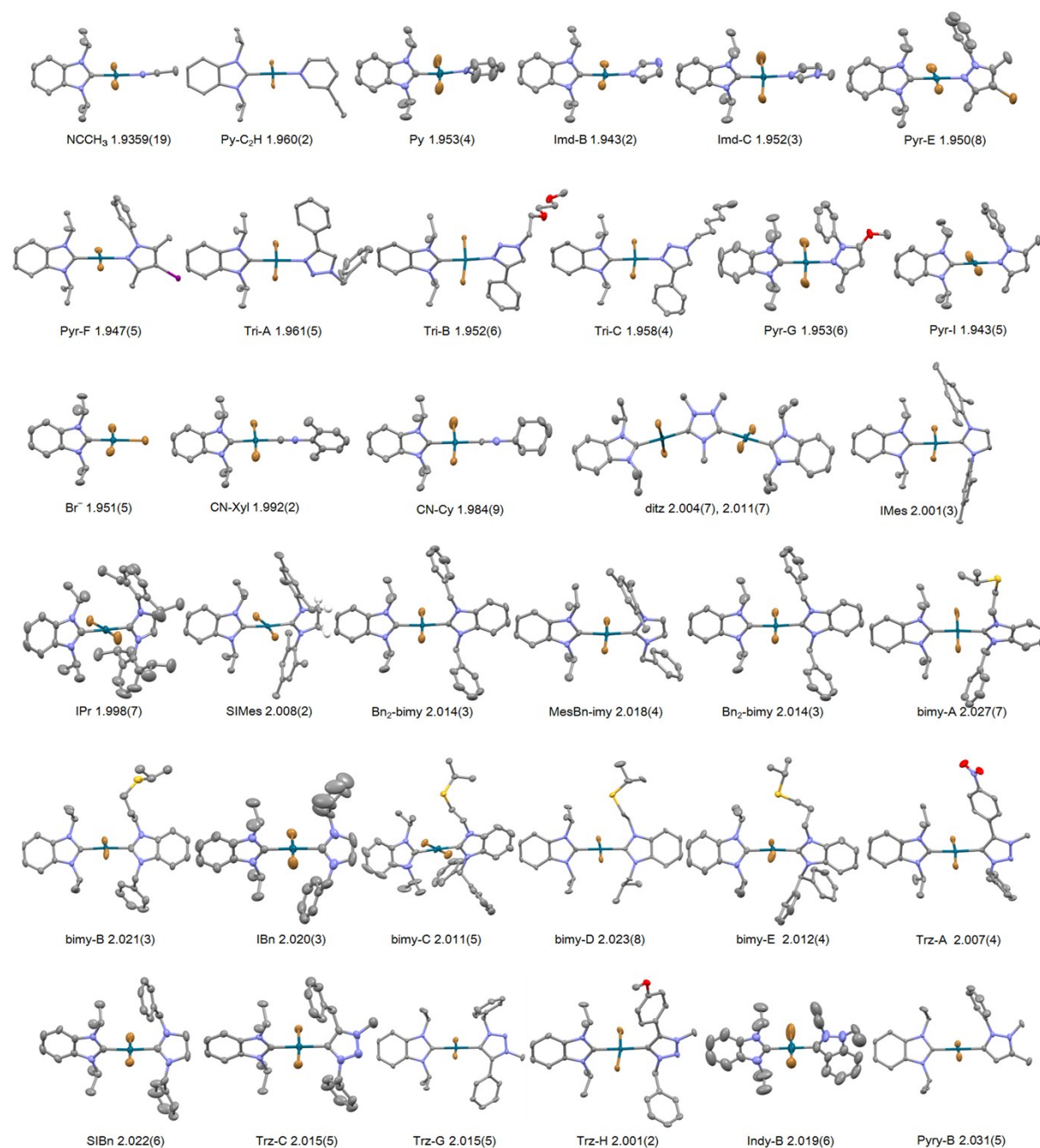


Figure S1. Molecular structures of *trans*-[PdBr₂(iPr₂-bimy)(NHC)] complexes and *trans*-[PdBr₂(iPr₂-bimy)₂(μ-ditz)].

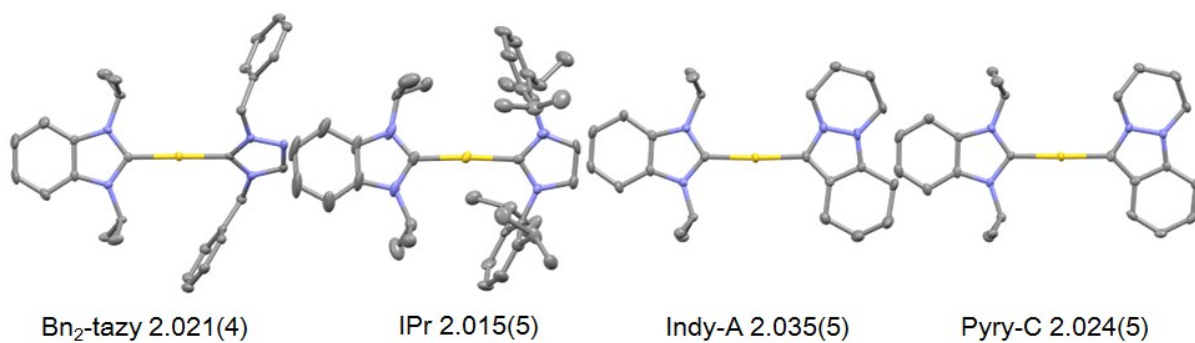


Figure S2. Molecular structures of $[\text{Au}(\text{iPr}_2\text{-bimy})(\text{NHC})]\text{BF}_4$ complexes.

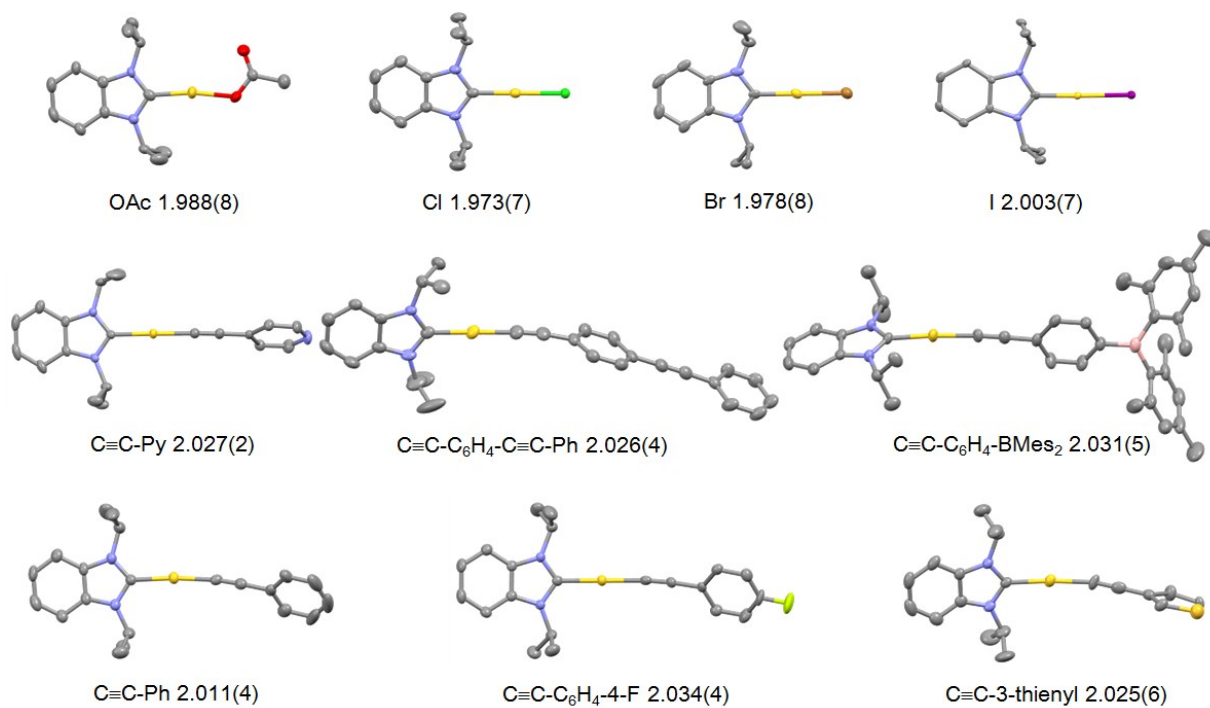


Figure S3. Molecular structures of $[\text{AuX}(\text{iPr}_2\text{-bimy})]$ complexes.

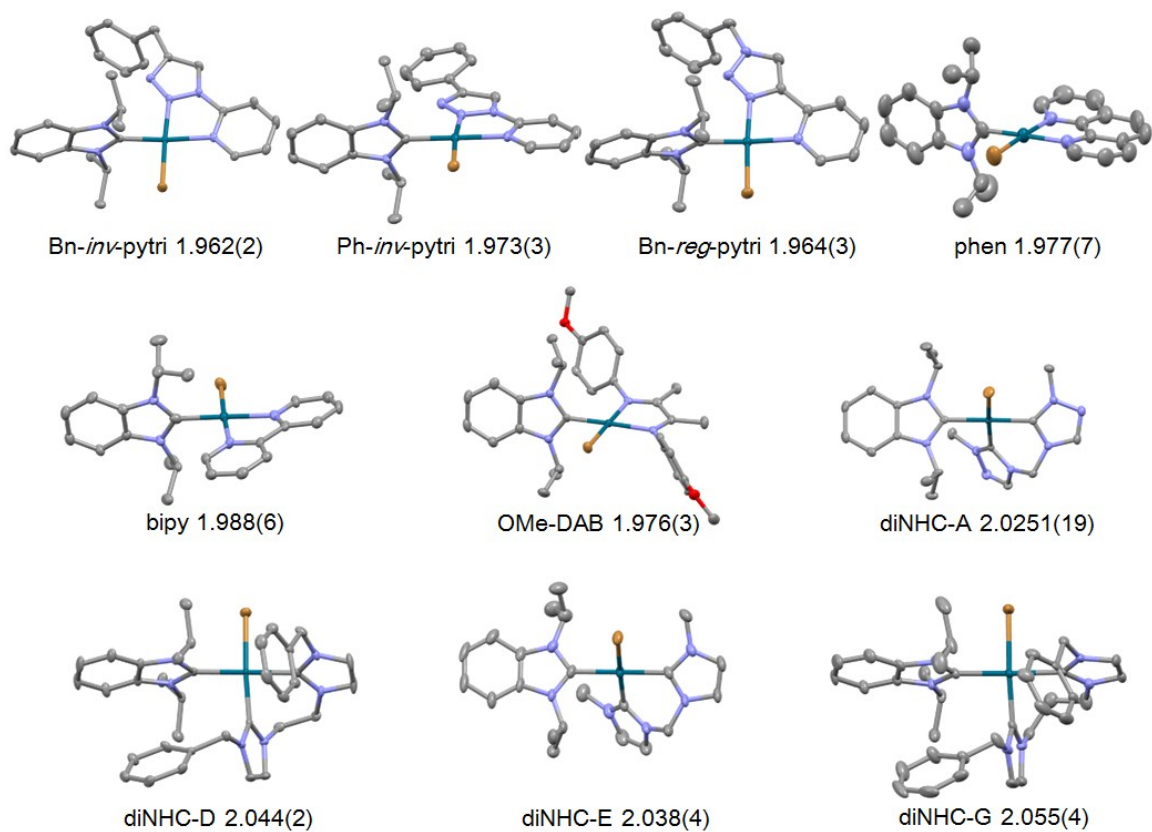


Figure S4. Molecular structures of $[\text{PdBr}(\text{Pr}_2\text{-bimy})(\text{L}_2)]\text{PF}_6$.