Electronic Supplementary Information

Coordination mode and stability of the tetrahydroborate ligand in group 10 metal pincer complexes

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**Fig. S1** $^{31}$P$^1$H NMR spectrum of Pt-POCOP (162 Hz, THF with THF-$d_8$)

**Fig. S2** $^{11}$B NMR spectrum of Pt-POCOP (193 Hz, THF)
**Fig. S3** $^1$H NMR spectrum of Ni-PBP (600 Hz, THF-$d_8$)

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Fig. S17 \(^{31}\)P\(^{1}\)H NMR spectrum of the reaction of [2,6-(‘Bu\(_2\)PO)\(_2\)C\(_6\)H\(_3\)]PtCl with BH\(_3\)-THF (243 MHz, THF with THF-\(d_8\)). Spectrum recorded 5 min after adding BH\(_3\)-THF to the solution of the chloride complex at room temperature.

Fig. S18 \(^{31}\)P\(^{1}\)H NMR spectrum of the interaction of Pt-PBP with CS\(_2\) (243 MHz, THF-\(d_8\)).
(a) Spectrum recorded immediately after Pt-PBP was mixed with 10 equiv. of CS\(_2\) in THF-\(d_8\).
(b) Spectrum recorded after the NMR tube was heated at 50°C for 12 h.
Fig. S19 NPA charges of the nickel centers in different nickel complexes