Supplementary Information for:

A Comparative Analysis of Hydrosilative Amide Reduction Catalyzed by First-Row Transition Metal (Mn, Fe, Co, and Ni) N-Phosphinoamidinate Complexes

Casper M. Macaulay, a Takahiko Ogawa, a Robert McDonald, b Orson L. Sydora, *,c Mark Stradiotto, *,a and Laura Turculet*, a

a Department of Chemistry, Dalhousie University, 6274 Coburg Road, P.O. 15000, Halifax, Nova Scotia B3H 4R2, Canada

b X-Ray Crystallography Laboratory, Department of Chemistry, University of Alberta, Edmonton, Alberta T6G 2G2, Canada

c Research and Technology, Chevron Phillips Chemical Company LP, 1862 Kingwood Drive, Kingwood, Texas 77339, USA

Contents: NMR spectra for complexes (PN)Ni(Odmp) and (PN)Ni(OtBu)
Figure S1. $^1$H NMR Spectrum of (PN)Ni(Odmp) ($C_6D_6$, 500.1 MHz).
Figure S2. $^{13}$C DEPTQ NMR Spectrum of $\text{(PN)}\text{Ni(Odmp)}$ ($\text{C}_6\text{D}_6$, 125.7 MHz).
Figure S3. $^{31}$P{$^1$H} NMR Spectrum of (PN)Ni(Odmp) (C$_6$D$_6$, 202.5 MHz).
Figure S4. $^1$H NMR Spectrum of (PN)Ni(OtBu) (C$_6$D$_6$, 500.1 MHz).
Figure S5. $^{13}$C DEPTQ NMR Spectrum of (PN)Ni(OtBu) (C$_6$D$_6$, 125.7 MHz).
Figure S6. $^{31}\text{P}^{[1\text{H}]}$ NMR Spectrum of (PN)Ni(OtBu) ($\text{C}_6\text{D}_6$, 202.5 MHz).