Palladium-Bisoxazoline Supported Catalyst for Selective Synthesis of Aryl Esters and Aryl Amides via Carbonylative Coupling Reactions

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Supplementary information

\textbf{Figure S1.} FT-IR Spectrum of Unmodified Merifield’s Resin
Figure S2. FT-IR Spectrum of Merifield’s Resin Supported BOX Ligand (BOX-M).

Figure S3. FT-IR Spectra of Merifield’s Resin Supported Pd-BOX Catalyst (Pd-BOX-M).
Figure S4. $^1$H NMR Spectrum of BOX-I

Figure S5. $^1$H NMR Spectrum of BOX-I
**Figure S6.** $^1$H NMR Spectrum of BOX-OH

**Figure S7.** $^{13}$C NMR Spectrum of BOX-OH
Figure S8. CP-MAS $^{13}$C NMR spectrum of Merrifield’s resin supported BOX ligand (BOX-M).

Figure S9. CP-MAS $^{13}$C NMR spectrum of Merrifield’s resin supported Pd-BOX catalyst (Pd-BOX-M).
Figure S10. TGA Spectrum of Merifield’s resin support.

Figure S11. TGA plot of Merrifield’s resin supported BOX ligand (BOX-M).
Figure S12. TGA plot of Merrifield’s resin supported Pd-BOX catalyst (Pd-BOX-M).

Figure S13. Scanning Electron Micrograph of (a) Merifield’s Resin (b) Merifield’s Resin Supported BOX Ligand (c) Merifield’s Resin Supported Pd-BOX Catalyst.