Supporting Information

**Photocatalytic C-H Activation and Oxidative Esterification Using Pd@g-C3N4**

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The number of figures: 2 (Fig. S1; Fig. S2)

**XPS of Pd in Pd@g-C3N4 catalyst (S1)**

**XRD of recycled Pd@g-C3N4 catalyst (S2)**

**1H NMR of the representative compounds**

1. **XPS of Pd in Pd@g-C3N4 catalyst**

**Fig. S1.** XPS of Pd in Pd@g-C3N4

**2. XRD of the recycled catalyst**

**Fig. S2.** XRD analysis of recycled Pd@g-C3N4

**3. 1H NMR of the product** 

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