Mechanistic insights into the co-catalyst effect of Au clusters in Mn-porphyrin-catalyzed olefin oxidation

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S-Fig. 1 Absorption spectra in CH$_2$Cl$_2$ at 25 °C of the filtered reaction mixtures of 1/Mn(TPP)Cl after 2 h of reaction under the conditions given in Figure 2. $[1]_0 / [\text{Mn(TPP)Cl}]_0 =$ a) 0, b) 0.2, c) 0.3, and d) 1.0.
**S-Fig. 2.** Absorption spectra in CH$_2$Cl$_2$ at 25 °C of Mn(TMP)Cl (a) and the filtered reaction mixtures of Mn(TMP)Cl/Au cluster systems coupled with b) Au:SC12 (blue), c) Au:SBn (red), d) Au:PPh$_3$ (green), and e) Au:PVP (orange) after 2 h of reaction under the conditions in Figure 7.