**SUPPLEMENTARY INFORMATION**

Direct generation of hydrogen peroxide from formic acid and O\textsubscript{2} using heterogeneous Pd/γ-Al\textsubscript{2}O\textsubscript{3} catalysts

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**Figure 1S** MS profile of the outlet gases during generation of hydrogen peroxide from formic acid and O\textsubscript{2} over Pd/γ-Al\textsubscript{2}O\textsubscript{3}

**Figure 2S** MS profile of the outlet gases during decomposition of formic acid over Pd/γ-Al\textsubscript{2}O\textsubscript{3} in Ar atmosphere