Supplementary Information for:
Non-mercury catalytic acetylene hydrochlorination over the NH₄F-Urea-modified Pd/HY catalyst for vinyl chloride monomer production

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Fig. S1. The $\text{C}_2\text{H}_2$ conversion (a) and selectivity to VCM (b) over Pd-based catalysts; Reaction condition: Temperature = 160 °C, feed volume ratio $V_{\text{HCl}}:V_{\text{C}_2\text{H}_2} = 1.25$, $\text{C}_2\text{H}_2$ GHSV = 110 h$^{-1}$. 
Fig. S2. The TEM images of fresh Pd/HY (a) and Pd/NH$_4$F-Urea-HY (b).
Fig. S3. Wide scan spectra of XPS in fresh Pd/HY and Pd/NH₄F-Urea-HY catalyst.
Fig. S4. The SEM images of HY (a), the NH$_4$F-Urea-HY (b), the fresh Pd/NH$_4$F-Urea-HY (c) and the used Pd/NH$_4$F-Urea-HY (d).