Supporting Information

for

Lateral ordering of PTCDA on the clean and the oxygen pre-covered Cu(100) surface investigated by scanning tunneling microscopy and low energy electron diffraction

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Two possible adsorption sites of PTCDA on Cu(100)

Below we illustrate the two possible adsorption sites of PTCDA on Cu(100) that are both compatible with our LEED and STM results. As mentioned in the article, we suggest that the site shown on the left hand side is the correct one, due to the *on-top* positions of the functional C atoms in the anhydride groups. The symmetry elements of the two structures are indicated in addition.