

## Supporting Information

# Exploring the Characteristic “Plug-in” Configuration of an Adsorbed Starburst Molecule

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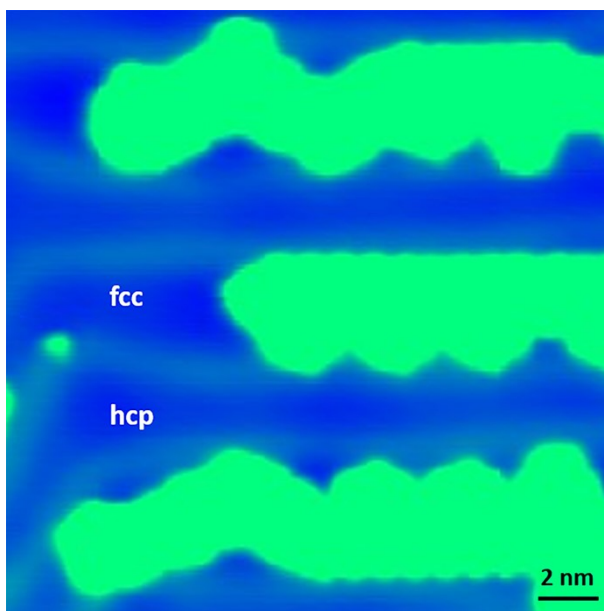
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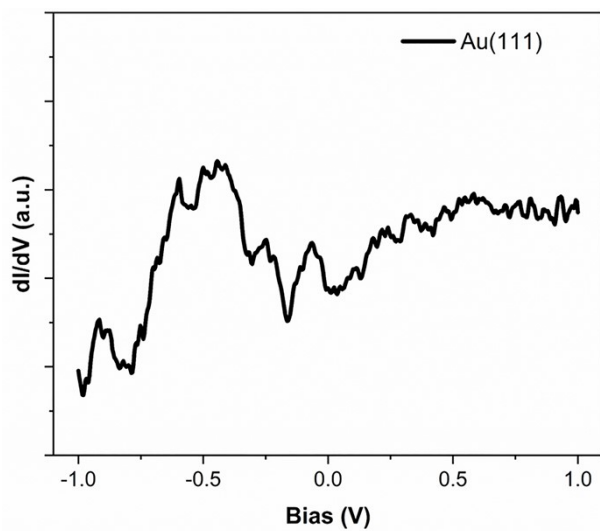
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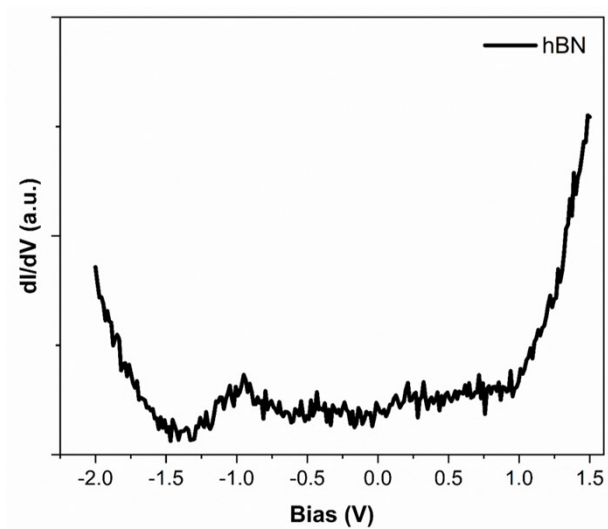
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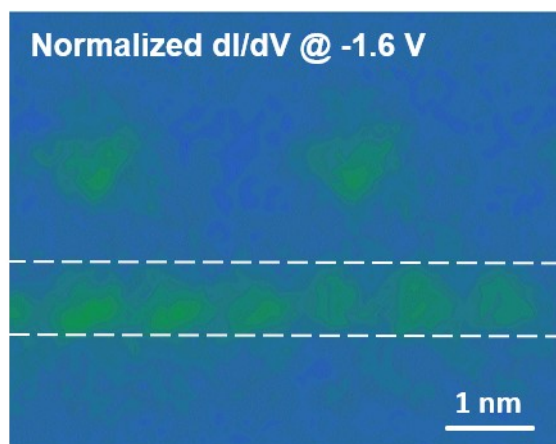
**Figure S1.** Highlighted STM image for herringbone reconstruction with alternating fcc and hcp regions of Au(111) surface. SBM molecules selectively adsorb on the fcc regions of Au(111).



**Figure S2.** The  $dI/dV$  spectrum of Au(111) from -1 V to 1 V.



**Figure S3.** The  $dI/dV$  spectrum of hBN/Rh(111) from -2 V to 1.5 V.



**Figure S4.** Normalized STS mapping at -1.6 V of SBM quasi-1D chain.