

Electronic Supplementary Information

2D conglomerate crystallization of heptahelicene

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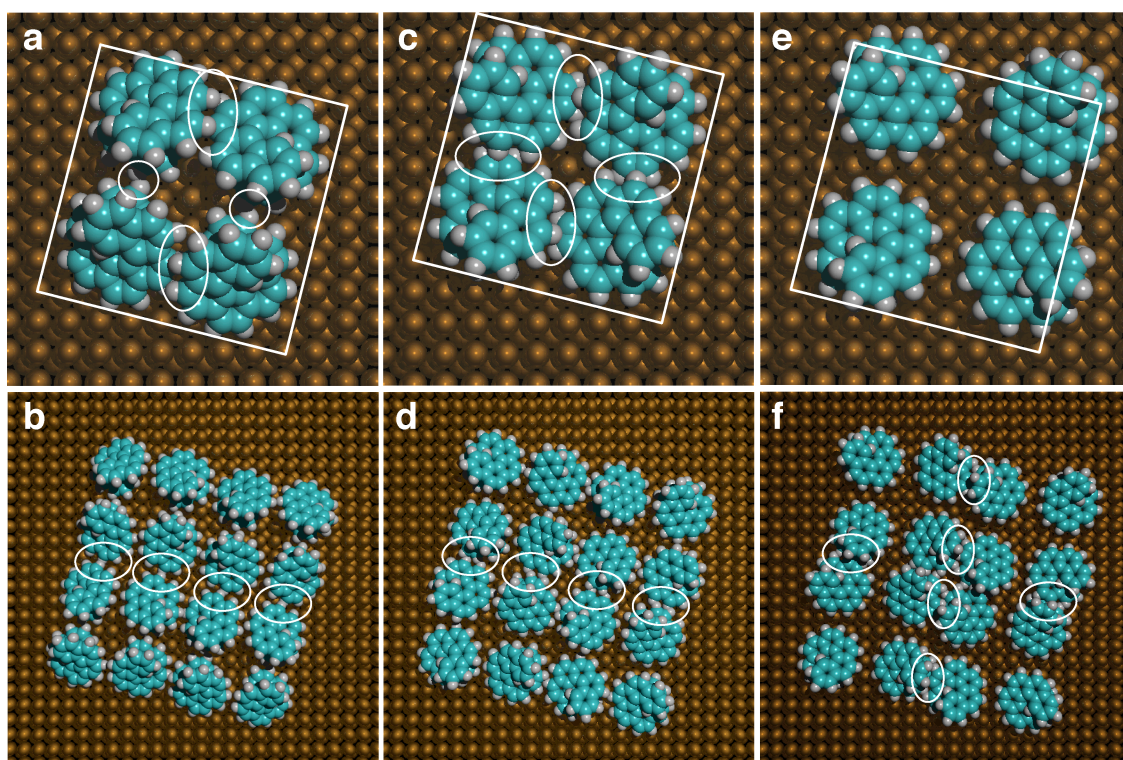


Figure S1. Packing models of *M/P* pairs and *M*-[7]H in a $(8 -2, 2 8)$ unit cell. Neither identical adsites (a) or ignoring the substrate (b) allows close packing for *M/P* or for pure *M*-[7]H (c,d). Under the premise of identical sites, a different, less dense packing for *M*-[7]H does not allow an extended monolayer (e,f). The conflicts due to close packing are indicated by white ellipses.

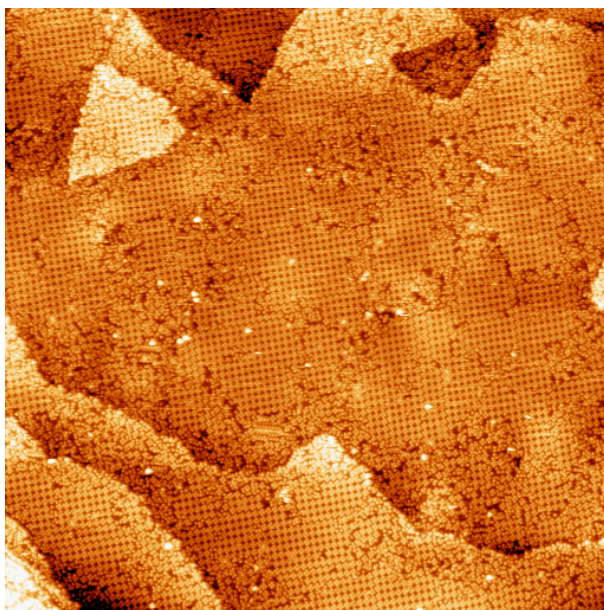


Figure S2. STM image (200 nm \times 200 nm, $U = +2.671$ V, $I = 42$ pA) of *M*-[7]H adsorbed on Cu(100). Exclusively the (8 2, -2 8) enantiomorph is observed.