

Electronic Supplementary information

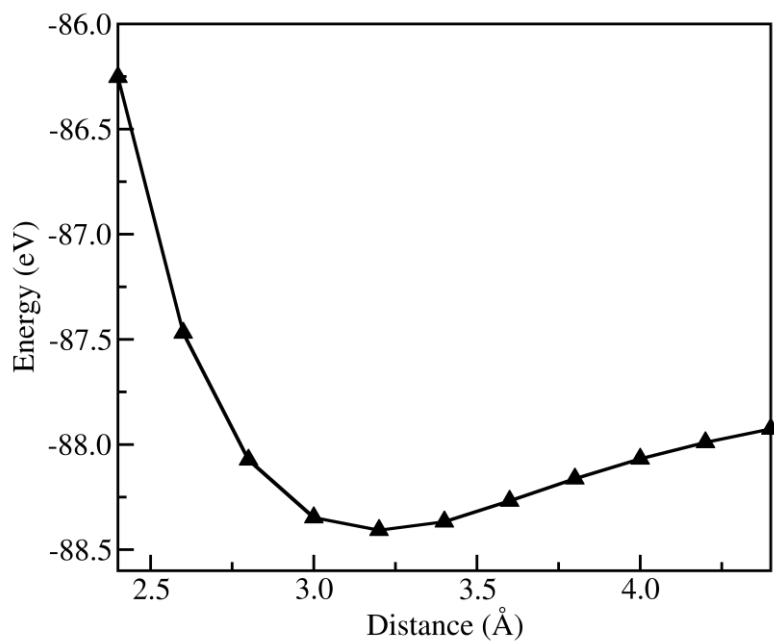


Figure S1. Computed total energy per supercell versus the distance of Si-Si between two parallel stacked (in registry) $\text{Si}_2\text{C}_3\text{-I}$ monolayers. The minimum (corresponding to Si-Si distance) is close to 3.4Å.