

Supporting Information

Dual control on nanofriction of graphene

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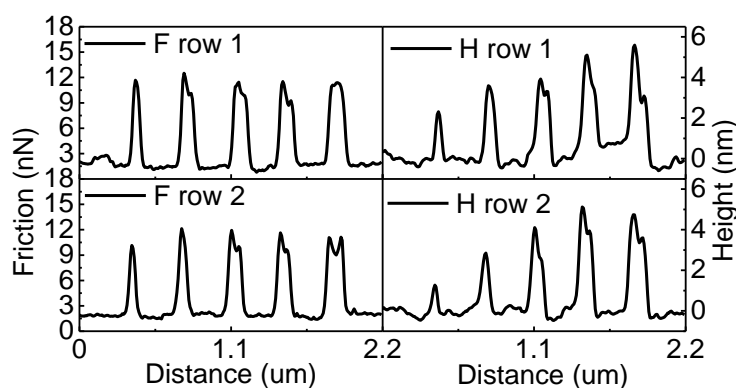


Figure S1. The corresponding frictional force and height profiles along each row in Figure 6(b) and 6(c).

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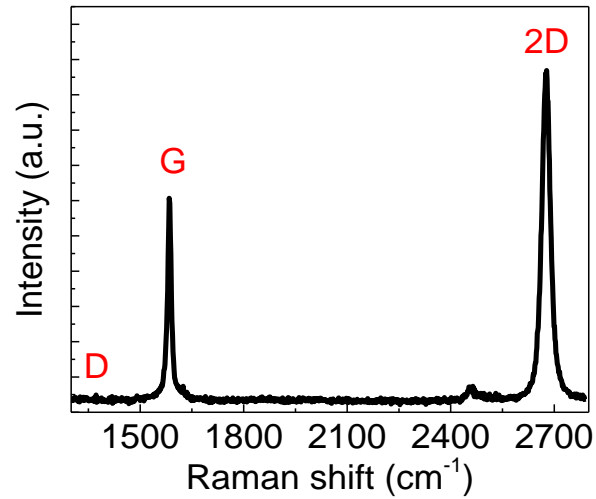


Figure S2. Raman spectrum of pristine graphene

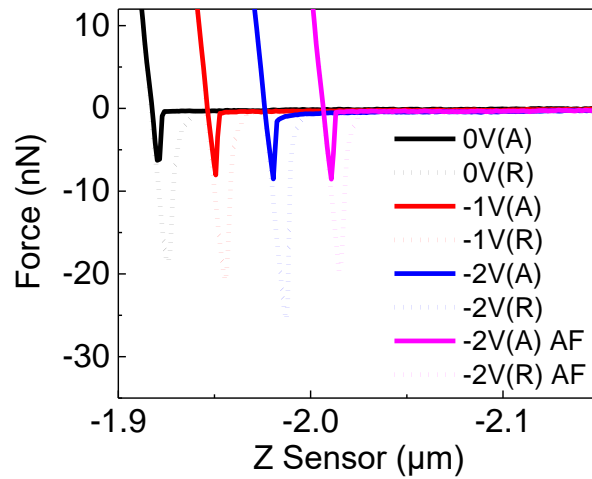


Figure S3. Force-distance curve measured on graphene by unbiased and negative biased tip. The black curve was measured by a neutral tip. The red curve is the first curve after the tip was negative biased. The adhesive force increased because of electrostatic force. The adhesive force decreased after continue contact.