

Direct Laser Lithography of Asymmetric Graphene Ribbons on a Polydimethylsiloxane Trench Structure

—Supplementary Information

He Tian,^{1,2} Yi Yang,¹ Dan Xie,¹ Tian-Ling Ren,^{1,*} Yi Shu,¹ Hui Sun,¹ Chang-Jian Zhou,¹

Xuan Liu,¹ Lu-Qi Tao,¹ Jie Ge,¹ Cang-Hai Zhang¹, Yuegang Zhang,^{2,‡,*}

¹Institute of Microelectronics, Tsinghua University, Beijing 100084, China and Tsinghua

National Laboratory for Information Science and Technology (TNList), Tsinghua

University, Beijing 100084, China

²The Molecular Foundry, Lawrence Berkeley National Laboratory, 1 Cyclotron Road,

Berkeley, CA 94720, USA

[‡] Current address: Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of
Sciences, Suzhou 215123, China. E-mail: ygzhang2012@sinano.ac.cn

*Corresponding Author E-mail: RenTL@tsinghua.edu.cn, yzhang5@lbl.gov

This file includes:

SUPPLEMENTARY FIG. S1-S2

SUPPLEMENTARY FIGURES AND CAPTIONS

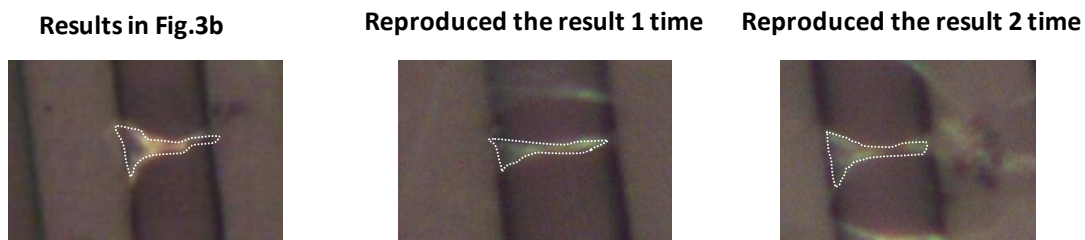


Figure S1 | The reproducibility of direct laser lithography of asymmetric graphene ribbons. The results showing that the triangular shaped structures could be reproduced for multi-times.

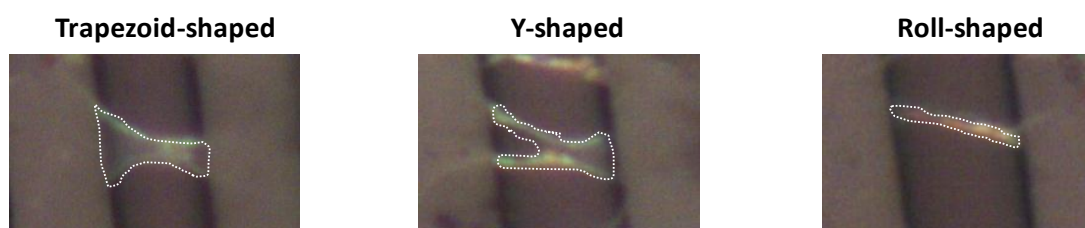


Figure S2 | The flexibility of direct laser lithography of asymmetric graphene ribbons. The results showing that the trapezoid-shaped, Y-shaped and roll-shaped could also be fabricated.