Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics. This journal is © the Owner Societies 2017

Electronic Supplementary Information (ESI) for Physical Chemistry Chemical Physics. This journal is © The Royal Society of Chemistry 2017

Electronic properties of blue phosphorene/graphene and blue

phosphorene/graphene-like gallium nitride heterostructures

Minglei Sun,^a Jyh-Pin Chou,^b Jin Yu,^c Wencheng Tang^{*a}

^{a.}School of Mechanical Engineering, Southeast University, Nanjing, Jiangsu 211189, China

E-mail: 101000185@seu.edu.cn.

^{b.}Institute for Solid State Physics and Optics, Wigner Research Centre for Physics, Hungarian

Academy of Sciences, Budapest, POB 49, Hungary

^c School of Materials Science and Engineering, Southeast University, Nanjing, Jiangsu 211189,

China



Fig. S1 Electronic band structure of (a) pristine blue phosphorene, (b) pristine graphene, and (c) pristine g-GaN. The Fermi level has been set to zero and indicated by black dashed line.