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**Supplementary Data**

**Pangolin HKU4-related coronaviruses found in greater bamboo bats from southern China**

Min Guo a, 1, Kai Zhao b, 1, Xingwen Peng a, Xiangyang He a, Jin Deng a, Bo Wang c, Xinglou Yang b, d, \*, Libiao Zhang a, \*

a Guangdong Key Laboratory of Animal Conservation and Resource Utilization, Guangdong Public Laboratory of Wild Animal Conservation and Utilization, Institute of Zoology, Guangdong Academy of Sciences, Guangzhou, 510260, China.

b Yunnan Key Laboratory of Biodiversity Information, Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, 650023, China.

c Department of Biomedical Sciences and Pathobiology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24060, USA.

d Hubei Jiangxia Lab, Wuhan, 430071, China.

1 Min Guo and Kai Zhao contributed equally to this work.

\*Corresponding authors:

E-mail address: yangxinglou@mail.kiz.ac.cn (X. Yang); zhanglb@giz.gd.cn (L. Zhang)**.**

ORCID: 0000-0002-5317-8983 (X. Yang); 0000-0002-6919-7695 (L. Zhang)**.**



Fig. S1. Similarity plot and recombinant analysis of HKU33r-CoV TyRo-CoV-162269.

Fig. S2. Phylogenetic tree of single viral gene.