

# Genomic and phenotypic analysis of a novel clinical isolate of *Corynebacterium pyruviciproducens*

Jiaqi Wang<sup>1,2</sup>, Jiajia Feng<sup>3</sup>, Wei Jia<sup>4</sup>, Tingxun Yuan<sup>1,2</sup>, Xinyu He<sup>1,2</sup>, Qianqian Wu<sup>5</sup>, Fujun Peng<sup>6</sup>, Wei Gao<sup>7</sup>, Zhongfa Yang<sup>6</sup>, Yuanyong Tao<sup>5\*</sup>, Qian Li<sup>1,2\*</sup>

<sup>1</sup>School of Medical Laboratory, Weifang Medical University, Weifang, Shandong 261053, PR China

<sup>2</sup>Engineering Research Institute of Precision Medicine Innovation and Transformation of Infections Diseases, Weifang Medical University, Weifang, Shandong 261053, PR China

<sup>3</sup>Clinical Laboratory, Weifang Maternal and Child Health Care Hospital, Weifang, Shandong 261011, PR China

<sup>4</sup>Clinical Laboratory, Weifang People's Hospital, Weifang, Shandong 261000, PR China

<sup>5</sup>Clinical Laboratory, the Affiliated Hospital of Weifang Medical University, Weifang 261031, PR China

<sup>6</sup>School of Basic Medical Sciences, Weifang Medical University, Weifang, China

<sup>7</sup>Key Lab for Immunology in Universities of Shandong Province, Weifang Medical University, Weifang, Shandong 261053, PR China

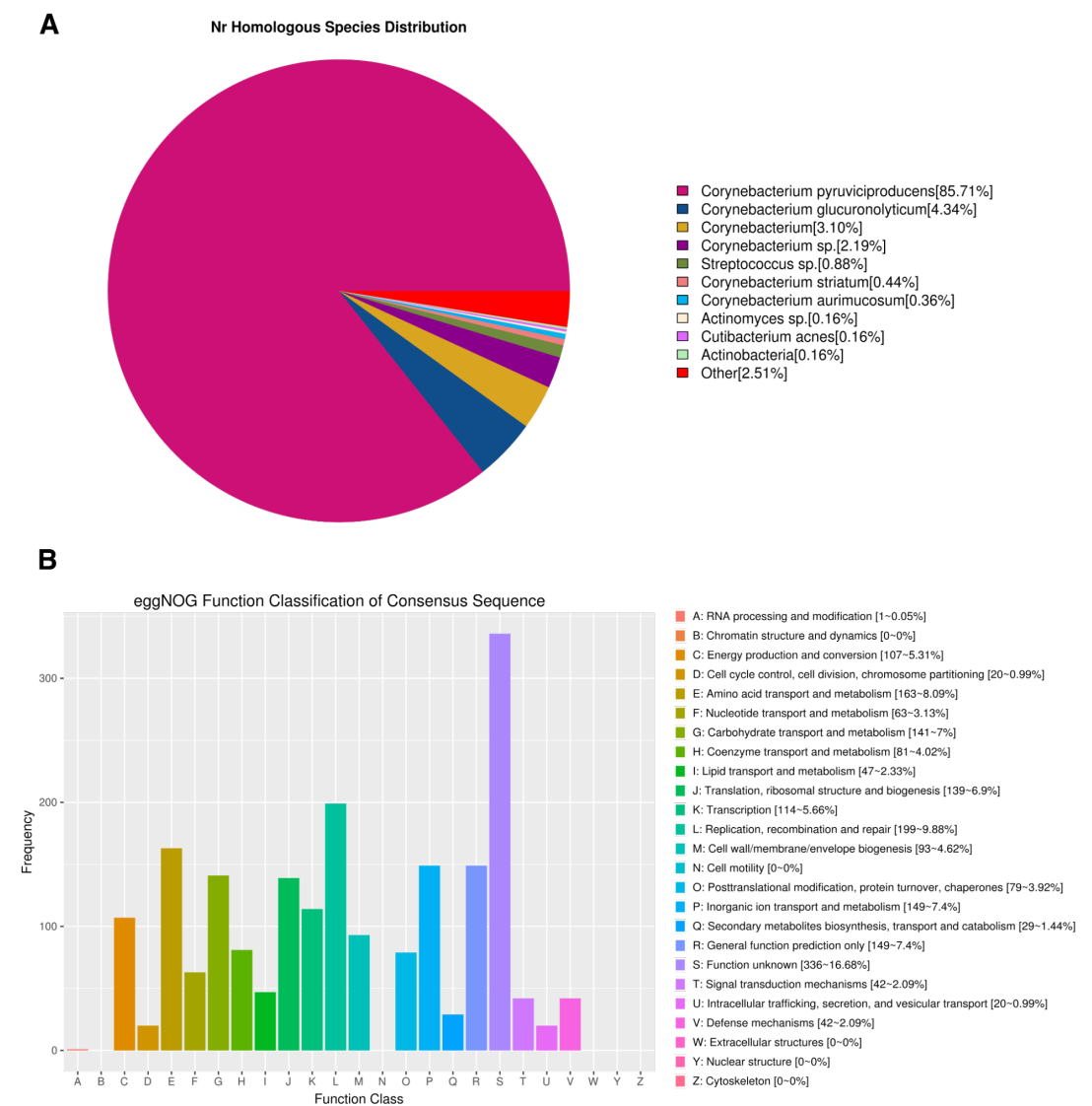
---

\*Corresponding authors:

Yuanyong Tao, Email: [taoyuanyong@163.com](mailto:taoyuanyong@163.com).

Qian Li, Email: [liqian@wfmc.edu.cn](mailto:liqian@wfmc.edu.cn).

Supplementary figure 3



**Fig. S3.** Genome annotation of *C. pyruviciproducens* strain WYJY-01. **(A)** The species distribution map of the gene sequence alignment of strain WYJY-01 was plotted against the Nr database. **(B)** Gene functions of the genome of strain WYJY-01 were classified by alignment to the eggNOG database.