

Identification and validation of ferroptosis related genes in prostate cancer cells under erastin exposure

Fan Wu^{1,2}, Fei Huang^{1,2}, Nili Jiang³, Jinfeng Su^{1,2}, Siyi Yao^{1,2}, Boying Liang^{1,2}, Wen Li³, Tengyue Yan³, Sufang Zhou^{1,2}, Qingniao Zhou^{1,2}

¹Department of Biochemistry and Molecular Biology, School of Pre-Clinical Medicine, Guangxi Medical University, Nanning 530022, China

²Key Laboratory of Biological Molecular Medicine Research (Guangxi Medical University), Education Department of Guangxi Zhuang Autonomous Region, Nanning 530022, China

³Life Sciences Institute, Guangxi Medical University, Nanning 530022, China

Fan Wu, Fei Huang, and Nili Jiang contributed equally to this work.

Qingniao Zhou

ebirdie123@126.com

Sufang Zhou

zsf200000@163.com

Running head: Ferroptosis related genes in prostate cancer cells

Author contributions

FW and FH performed data analysis and drafted the manuscript. FW, NJ, BL and QZ performed the experiments. JFS, YY, WL and TY prepared figures and tables. SZ and QZ secured research funding supports. All authors contributed to the article and approved the submitted version.

Funding

This work was supported by grants from the National Natural Science Foundation of China (No. 32260164), Natural Science Foundation of Guangxi Zhuang Autonomous Region (No.2020GXNSFBA297150, No.2023GXNSFAA026080).

Data availability

The original contributions presented in the study are publicly available. This data can be found here: GSE232034 datasets downloaded from GEO database.

Declarations

Conflict of interest All authors declare no conflict of interests in this study.

Consent for publication All authors agree on publication of the results of the present manuscript.