

Supplementary Materials

Tables and Figures

Table S1. Geographic information of *Z. striolatum* collected from seven different habitats

Sample NO	Province	City	Locality	Collection Time	Storage Location
S1	Sichuang	Yaan	Mingshan	2018.09	School of
S2	Hunan	Huaihua	Yuanling	2018.09	Biomedical and
S3	Jiangsu	Nantong	Tongzhou	2018.10	Pharmatheutical
S4	Hunan	Zhangjiajie	Sangzhi	2018.10	Sciences,
S5	Hubei	Enshi	Tujia and Miao Autonomous Prefecture	2018.10	Guangdong
S6	Hubei	Shiyan	Yunxi	2018.09	University of
S7	Anhui	Liuan	Dabieshan	2018.09	Technology

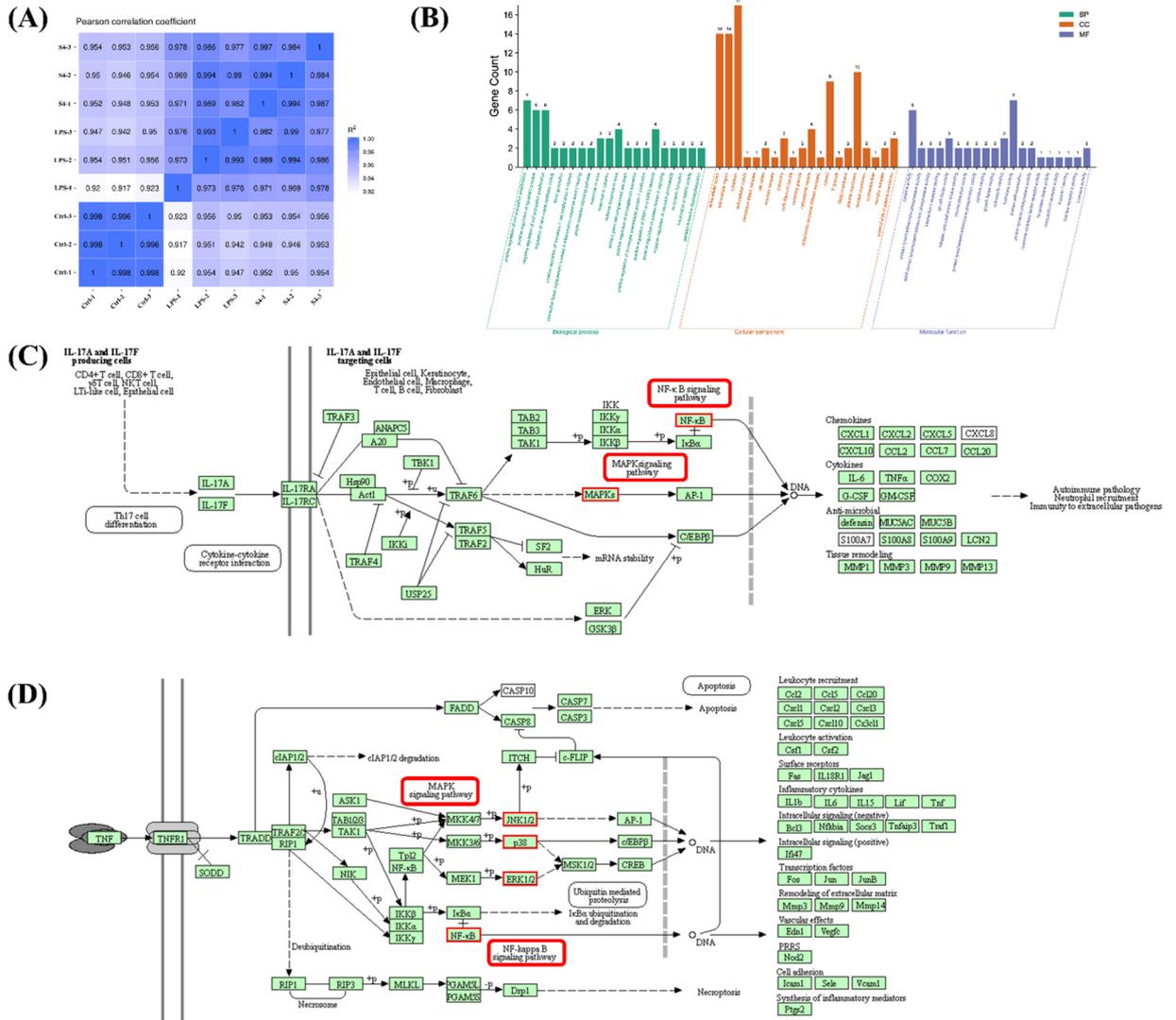


Figure S1. Analysis of RNA-seq data in Ctrl, LPS and S4 groups. **(A)** Heatmap showed Pearson correlation coefficient between each sample. **(B)** GO enrichment analysis of 45 DEGs upregulated by LPS and downregulated by S4. **(C,D)** Part of IL-17 signaling pathway and TNF signaling pathway obtained from Kyoto Encyclopedia of Genes and Genomes (KEGG, <https://www.kegg.jp/>, accessed on 21 September 2021).