

中文目次

综述

- 781 微生物介导反刍动物瘤胃氨生成及其对瘤胃功能的影响

徐诣轩, 李志鹏, 申军士, 朱伟云

- 789 古菌中蛋白甲基化修饰的研究进展

韩小云, 翟斌元, 申玉龙

- 799 拟孢囊菌属放线菌的研究进展

熊有威, 蒋继宏, 秦盛

- 809 病毒功能性受体的筛选新策略及其应用

孙慧敏, 李素, 王文静, 仇华吉

- 821 肠道菌分泌的抑菌肽——小菌素

梁轩, 张瑜, 汪亚军, 朱国强

研究报告

- 832 霍乱弧菌ToxS蛋白间的互作增强ToxR蛋白诱导毒力基因的表达

王相洪, 张婷, 涂飞, 史梦婷, 王卉, 杨梦华

- 841 一种蜱源性耐盐耐碱菌株 *Oceanobacillus oncorhynchi* IMH的首次分离与鉴定

朝木丽格, 额尔敦宝力高, 黄天鹏, 吴咪, 贺海燕, 金凤, 格日勒图

- 862 假单胞菌 *Pseudomonas fluorescens* Pf0-1 中转录调控因子SpfB负调控DNA磷硫酰化修饰 (英文)

王俞萍, 孔令新, 郑涛, 李金丽, 孙溢华, 由德林

- 863 *HOG1* MAPK参与调控亚砷酸钠诱导的酵母细胞凋亡

吴丽华, 陈燕飞, 仪慧兰

- 871 植物根际促生菌 *Bacillus mycoides* Gnyt1 铁载体分泌相关功能基因的挖掘

杨晓玫, 李建宏, 姚拓, 李琦, 冯影

- 881 饲料类型对茶尺蠖幼虫肠道细菌多样性及幼虫存活率的影响

张勇, 赵天宇, 邓竣丹, 吴珍珍, 杨云秋, 龙雁华

- 891 RNA-Seq揭示 *Foc4*在外源氧化胁迫(H_2O_2)下的基因表达及细胞代谢变化

齐兴柱, 刘磊, 汪军

- 907 3A蛋白104–115位氨基酸缺失口蹄疫A型标记病毒的构建

李平花, 马雪青, 袁红, 袁子文, 孙普, 白兴文, 卢曾军, 刘在新

- 916 乳白耙齿菌F17对共存菲、葱的降解差异性

刘俊, 吴涓

- 926 罗非鱼源无乳链球菌肠道拮抗芽孢杆菌的筛选及其生物学特性

高艳侠, 张德锋, 可小丽, 刘志刚, 衣萌萌, 王森, 韩雪晴, 卢迈新

- 939 新型酵母蛋白表位标记和基因敲除质粒系统的构建及可行性验证

唐仕伟, 李辉, 崔时媛, 张正坦, 谢志平

- 950 荧光假单胞菌ZX对采后锦橙绿霉病的防治及其抑菌机制

王智荣, 梅小飞, 杜木英, 江孟遥, 张洪新, 汪开拓, Zsolt Zalán, Ferenc Hegyi, 阙建全

- 965 黄曲霉分生孢子色素合成基因pks1的鉴定及其对生长发育和侵染性的影响

魏鹏霖, 张鹏, 李伟, 汪世华, 尹文兵

封面文章: 3A蛋白104–115位氨基酸缺失口蹄疫A型标记病毒的构建 (第907–915页, 李平花, 马雪青, 袁红, 袁子文, 孙普, 白兴文, 卢曾军, 刘在新的文章)

其他

- 封二 欢迎订阅《微生物学报》

- 文后 2019年中国微生物学会学术活动计划表

- 文后 《微生物学报》编委会名单

- 封三 2018年度《微生物学报》优秀论文名单

广告

文前(I/II) 镇江东方生物工程设备有限公司

CONTENTS

REVIEWS

- 788 Microbe-mediated ruminal ammonia production in ruminants and its impacts on rumen function

Yixuan Xu, Zhipeng Li, Junshi Shen, Weiyun Zhu

- 798 Research progress in protein methylation in archaea

Xiaoyun Han, Binyuan Zhai, Yulong Shen

- 808 Recent advances on the genus *Kibdelosporangium*

Youwei Xiong, Jihong Jiang, Sheng Qin

- 820 Novel strategies for screening functional viral receptors and their applications

Huimin Sun, Su Li, Wenjing Wang, Hua-Ji Qiu

- 831 Microcins—Antibacterial peptides secreted by Enterobacteria

Xuan liang, Yu Zhang, Yefun Wang, Guoqiang Zhu

RESEARCH ARTICLES

- 840 ToxS homodimerization enhances ToxR activating virulence gene expression in *Vibrio cholerae*

Xianghong Wang, Ting Zhang, Fei Tu, Mengting Shi, Hui Wang, Menghua Yang

- 850 Isolation and identification of a tick-borne salt and alkali tolerant bacterium *Oceanobacillus oncorhynchi* IMH

Chaomulige, Erdunbaoligao, Tianpeng Huang, Mi Wu, Haiyan He, Feng Jin, Geriletu

- 851 The transcriptional regulator SpfB negatively regulates DNA phosphorothioate modification in *Pseudomonas fluorescens* Pf0-1

Yuping Wang, Lingxin Kong, Tao Zheng, Jinli Li, Yihua Sun, Delin You

- 870 Involvement of *HOG1* MAPK in the regulation of sodium arsenite-induced apoptosis in yeast cells

Lihua Wu, Yanfei Chen, Huilan Yi

- 880 Exploration of functional genes related to iron carrier secretion in the plant growth-promoting rhizobacteria *Bacillus mycooides* Gnyt1

Xiaomei Yang, Jianhong Li, Tuo Yao, Qi Li, Ying Feng

- 890 Effect of feed on gut bacterial diversity and larval survival of *Ectropis obliqua* (Lepidoptera: Geometridae)

Yong Zhang, Tianyu Zhao, Jundan Deng, Zhenzhen Wu, Yunqiu Yang, Yanhua Long

- 906 RNA-Seq reveals changes of gene expression and cellular metabolism caused by exogenous oxidative stress (H_2O_2) in *Foc4*

Xingzhu Qi, Lei Liu, Jun Wang

- 915 Construction of type A foot-and-mouth disease marker virus with deletion of 104–115 amino acids of 3A protein

Pinghua Li, Xueqing Ma, Hong Yuan, Ziwen Yuan, Pu Sun, Xingwen Bai, Zengjun Lu, Zaixin Liu

- 925 Selective degradation of coexisting phenanthrene and anthracene by *Irpe lacteus* F17

Jun Liu, Juan Wu

- 938 Selection and characterization of intestinal *Bacillus* strain antagonistic against pathogenic *Streptococcus agalactiae* of tilapia

Yanxia Gao, Defeng Zhang, Xiaoli Ke, Zhigang Liu, Mengmeng Yi, Miao Wang, Xueqing Han, Maixin Lu

- 949 Construction of a novel plasmid system for epitope tagging and gene deletion in *Saccharomyces cerevisiae*

Shiwei Tang, Hui Li, Siwon Choi, Zhengtan Zhang, Zhiping Xie

- 964 Biocontrol of green mold decay in Jincheng citrus fruits by *Pseudomonas fluorescens* ZX

Zhirong Wang, Xiaofei Mei, Muying Du, Mengyao Jiang, Hongxin Zhang, Kaituo Wang, Zsolt Zalán, Ferenc Hegyi, Jianquan Kan

- 977 Identification of conidial pigment synthetic gene *pks1* and its effect on development and pathogenicity in *Aspergillus flavus*

Penglin Wei, Peng Zhang, Wei Li, Shihua Wang, Wen-Bing Yin

(本期责编：李磊)