

中文目次

序言

1631 微生物组学研究的“淘金时代”

胡永飞

肠道微生物与疾病

1636 口服硫酸链霉素对帕金森小鼠症状的改善及其对肠道菌群的影响

安云英, 吴敏娜, 李璞泽, 靖听瑞, 张剑锋, 薛红飞, 邓保国, 钟根深

1651 高通量测序分析实验性脑脊髓炎肠道微生物变化及与IL-17、IFN- γ 相关性

李晓玲, 张博, 孙梦娇, 鲍彩彩, 王满侠

1660 糖尿病及糖尿病心血管并发症患者肠道菌群的特征

陈茜, 薛勇, 宋晓峰, 朱宝利

肠道微生物群落结构

1674 健康藏族与汉族大学生肠道细菌多样性研究

刘怡萱, 曹鹏熙, 马红梅, 刘星

1694 基于16S rRNA基因高通量测序研究狞猫肠道微生物多样性(英文)

陈磊, 刘咪, 沙未来, 高迎, 陈佳欣, 朱静

1695 低蛋白质日粮对断奶仔猪生长相关激素和肠道微生物区系的影响

虞德夫, 朱晓峰, 冯江银, 康翠翠, 张明钰, 朱伟云, 杭苏琴

1705 基于高通量测序的不同虫态洋虫内共生微生物群落分析

王长文, 房柳, 梁运江, 黄世臣, 董巍巍

1714 强化玉米饮食对小鼠肠道菌群结构和功能的影响

郑帅, 朴春梅, 张芝, 刘婷婷, 王吉静, 王绿娅, 杜杰

1736 猎豹(*Acinonyx jubatus*)肠道微生物多样性及其性别差异研究(英文)

陈磊, 刘咪, 朱静, 高迎, 陈佳欣, 沙未来

肠道微生物与宿主互作

1737 微生物-肠-脑轴的研究进展

高侃, 慕春龙, 朱伟云

1747 中华蜜蜂幼虫肠道响应球囊菌胁迫的microRNA应答分析

杜宇, 童新宇, 周丁丁, 陈大福, 熊翠玲, 郑燕珍, 徐国钧, 王海朋, 陈华枝, 郭意龙, 隆琦, 郭睿

1765 一株猪肠道*Lactobacillus animalis* LGM对结肠炎小鼠Th细胞分化转录因子基因表达的影响

程颍州, 慕春龙, 朱伟云

1778 人体肠道分节丝状菌SFB研究进展

陈华海, 吴柳, 唐成, 王欣, 尹业师

肠道微生物资源

1786 罗伊氏乳杆菌肠道分离株的遗传多样性研究

余中节, 赵洁, 宋宇琴, 孙志宏

1798 蠼螋肠道中碱性内切葡聚糖酶基因的克隆表达及功能分析

陈俊梅, 李文鹏, 赵素雅, 黄冰纷, 王博文, 惠丰立, 尹晓燕, 牛秋红

肠道微生物研究方法

1813 肠道微生物功能宏基因组学与代谢组学关联分析方法研究进展

侯璐文, 吴长新, 秦雪梅, 李建国

1823 基于PacBio SMRT测序技术评估妊娠期糖尿病人的肠道菌群

舒明月, 付爱思, 张洁, 陈佳, 郭静, 丁琼, 徐焱成, 刘天罡

其他

封二 欢迎订阅《微生物学报》

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

PREFACE

1631 The “Gold Rush Era” for microbiome Research

Yongfei Hu

GUT MICROBES AND DISEASE

1650 Effect of oral administration of streptomycin sulfate on symptoms and gut microbiota of Parkinson's disease mice

Yunying An, Minna Wu, Puze Li, Xinrui Jing, Jianfeng Zhang, Hongfei Xue, Baoguo Deng, Genshen Zhong

1659 Correlation of gut microbiota with IL-17 and IFN- γ in experimental autoimmune encephalomyelitis

Xiaoling Li, Bo Zhang, Mengjiao Sun, Caicai Bao, Manxia Wang

1673 Gut microbiota in diabetic patients and diabetic patients with cardiovascular complications

Xi Chen, Yong Xue, Xiaofeng Song, Baoli Zhu

GUT MICROBIAL COMMUNITY STRUCTURE

1684 Gut bacterial community diversity in healthy Tibetan and Han college students

Yixuan Liu, Pengxi Cao, Hongmei Ma, Xing Liu

1685 Diversity of intestinal microbiota of Caracal cat (*Caracal caracal*) by high-throughput sequence of the bacterial 16S rRNA gene

Lei Chen, Mi Liu, Weilai Sha, Ying Gao, Jiaxin Chen, Jing Zhu

1704 Effect of low-protein diet on hormones associated with growth and on gut microbiota in weaned piglets

Defu Yu, Xiaofeng Zhu, Jiangyin Feng, Cuicui Kang, Mingyu Zhang, Weiyun Zhu, Suqin Hang

1713 Microbial diversity in *Martianus dermestoides* at different stages based on high-throughput sequencing technology

Changwen Wang, Liu Fang, Yunjiang Liang, Shichen Huang, Weiwei Dong

1722 Influence of corn-rich diet on mice gut microbiota structure and function

Shuai Zheng, Chunmei Piao, Zhi Zhang, Tingting Liu, Jijing Wang, Lvya Wang, Jie Du

1723 Diversity and sex-specific differences in the intestinal microbiota of cheetah (*Acinonyx jubatus*)

Lei Chen, Mi Liu, Jing Zhu, Ying Gao, Jiaxin Chen, Weilai Sha

INTERACTION BETWEEN GUT MICROBES AND HOST

1746 Advances in microbiota-gut-brain axis

Kan Gao, Chunlong Mu, Weiyun Zhu

1763 MicroRNA responses in the larval gut of *Apis cerana cerana* to *Ascosphaera apis* stress

Yu Du, Xinyu Tong, Dingding Zhou, Dafu Chen, Cuiling Xiong, Yanzhen Zheng, Guojun Xu, Haipeng Wang, Huazhi Chen, Yilong Guo, Qi Long, Rui Guo

1777 Effects of *Lactobacillus animalis* LGM on transcription factors gene expressions in DSS-induced colitis mice

Yingzhou Cheng, Chunlong Mu, Weiyun Zhu

1785 Research progress of human intestinal segmented filamentous bacteria

Huahai Chen, Liu Wu, Cheng Tang, Xin Wang, Yeshi Yin

GUT MICROBIAL RESOURCE

1797 Genetic diversity of *Lactobacillus reuteri* isolated from intestines

Zhongjie Yu, Jie Zhao, Yuqin Song, Zhihong Sun

1812 Cloning, expression and function of an alkaline resistance endo-glucanase gene isolated from guts of earwig

Junmei Chen, Wenpeng Li, Suyu Zhao, Bingfen Huang, Bowen Wang, Fengli Hui, Xiaoyan Yin, Qihong Niu

METHODS TO STUDY GUT MICROBES

1822 Advances in research on association analysis methods between gut functional metagenomics and metabolomics

Luwen Hou, Changxin Wu, Xuemei Qin, Jianguo Li

1839 PacBio SMRT sequencing of the intestinal flora composition in patients with gestational diabetes mellitus

Mingyue Shu, Aisi Fu, Jie Zhang, Jia Chen, Jing Guo, Qiong Ding, Yancheng Xu, Tianguang Liu

(本期责编: 李磊)