

## 目 次

## 综 述

- 原发性高血压全基因组关联研究进展 ..... 许睿玮, 严卫丽 (793)  
 组蛋白修饰及其生物学效应 ..... 王维, 孟智启, 石放雄 (810)  
 黑腹果蝇细胞谱系分析方法进展 ..... 张柿平, 薛雷 (819)  
 植物非编码 RNA 调控春化作用的表观遗传 ..... 张绍峰, 李晓荣, 孙传宝, 何玉科 (829)  
 植物 AP2/ERF 类转录因子研究进展 ..... 张计育, 王庆菊, 郭忠仁 (835)  
 氮源受限条件下植物病原真菌氮调控基因表达特性 .....  
     周晓罡, 姚春馨, 丁玉梅, 陶南, 孙茂林, 张绍松 (848)  
 分枝杆菌中基因敲除操作工具研究进展 ..... 杜庆林, 樊祥宇, 毛金校, 谢建平 (857)

## 研究报告

- 幽门螺杆菌 *vacA* 和 *cagA* 基因全长分子系统发育分析 ..... 杨泽民, 陈蔚文 (863)  
 丙酸通路基因多态性与猪肉质及胴体性状的关联分析 ..... 杨帆, 王琼萍, 何侃, 王明辉, 潘玉春 (872)  
 猪整合素  $\beta_1$  基因 CRS-PCR 多态性与产仔数的关联性分析 ..... 郭良勇, 傅金銮, 王爱国 (879)  
 以绵羊 MHC 区段 BAC 克隆酶切片段为探针杂交筛选绵羊混合组织 cDNA 文库 .....  
     杨小亮, 白大章, 邱巍, 董慧芹, 李大全, 陈芳, 马润林, Hugh T Blair, 高剑峰 (887)  
 奶山羊 PIS 遗传缺陷基因的检测及应用 .....  
     杨波, 贾丽丽, 赵德超, 孟丽云, 刘雪锋, 张燕军, 张文广, 李金泉 (895)  
 多效性基因 *Ghd7* 调控水稻剑叶面积 ..... 谈聪, 翁小煜, 鄢文豪, 白旭峰, 邢永忠 (901)  
 原核生物 *eno* 基因在系统进化中应用及水平转移分析 ..... 刘庆辉, 郭振国, 任嘉红 (907)

## 技术与方法

- 利用种子序列检测山羊皮肤中 microRNA 靶基因分子方法的建立 .....  
     付绍印, 赵德超, 赵宏丽, 李金泉, 张文广 (919)  
 针对核质运输的高通量小分子筛选方法 ..... 罗敏, 张全仓, 卢智刚 (927)

## 科学新闻

- 植物小分子 RNA 整合分析软件 psRobot 开发完成 ..... (809)  
 水稻油菜素内酯信号传导机制研究取得重要进展 ..... (828)

## 综合信息

- 2012年第7期《遗传》封面说明 ..... (886)  
 第十三届人类基因组变异学会会议将在上海召开 ..... (926)  
 《遗传学报》(JGG)2011年JCR影响因子达到1.883 ..... (934)

## CONTENTS

### Reviews

- Advances in genome-wide association studies on essential hypertension ..... XU Rui-Wei, YAN Wei-Li (793)  
Modification and biological role of histone ..... WANG Wei, MENG Zhi-Qi, SHI Fang-Xiong (810)  
Progress on cell lineage analysis in *Drosophila melanogaster* ..... ZHANG Shi-Ping, XUE Lei (819)  
Epigenetics of plant vernalization regulated by non-coding RNAs .....  
..... ZHANG Shao-Feng, LI Xiao-Rong, SUN Chuan-Bao, HE Yu-Ke (829)  
Progresses on plant AP2/ERF transcription factors ..... ZHANG Ji-Yu, WANG Qing-Ju, GUO Zhong-Ren (835)  
Progress on nitrogen regulation gene expression of plant pathogenic fungi under nitrogen starvation .....  
..... ZHOU Xiao-Gang, YAO Chun-Xin, DING Yu-Mei, TAO Nan, SUN Mao-Lin, ZHANG Shao-Song (848)  
Progression on genetic knockout tools in *Mycobacterium* .....  
..... DU Qin-Lin, FAN Xiang-Yu, MAO Jin-Xiao, XIE Jian-Ping (857)

### Research Papers

- Molecular phylogeny analysis of full-length *vacA* and *cagA* genes from *Helicobacter pylori* .....  
..... YANG Ze-Min, CHEN Wei-Wen (863)  
Association between gene polymorphisms of propanoate metabolism pathway and meat quality as well as carcass  
traits in pigs ..... YANG Fan, WANG Qiong-Ping, HE Kan, WANG Ming-Hui, PAN Yu-Chun (872)  
Analysis of association between CRS-PCR polymorphisms of integrin  $\beta_1$  gene and litter size in pigs .....  
..... GUO Liang-Yong, FU Jin-Luan, WANG Ai-Guo (879)  
Screening of tissues pooled cDNA library using probes by restricted fragments of BAC positive clones of ovine  
MHC ..... YANG Xiao-Liang, BAI Da-Zhang,  
QIU Wei, DONG Hui-Qin, LI Da-Quan, CHEN Fang, MA Run-Lin, Hugh T Blair, GAO Jian-Feng (887)  
Detection and application of PIS genetic deficiency gene in dairy goat ..... YANG Bo, JIA Li-Li,  
ZHAO De-Chao, MENG Li-Yun, LIU Xue-Feng, ZHANG Yan-Jun, ZHANG Wen-Guang, LI Jin-Quan (895)  
*Ghd7*, a pleiotropic gene controlling flag leaf area in rice .....  
..... TAN Cong, WENG Xiao-Yu, YAN Wen-Hao, BAI Xu-Feng, XING Yong-Zhong (901)  
Phylogenetic application and analysis of horizontal transfer based on the prokaryote *eno* gene .....  
..... LIU Qing-Hui, GUO Zhen-Guo, REN Jia-Hong (907)

### Techniques and Methods

- A method for screening microRNA target genes in goat skin by microRNA seed sequence mediated PCR .....  
..... FU Shao-Yin, ZHAO De-Chao, ZHAO Hong-Li, LI Jin-Quan, ZHANG Wen-Guang (919)  
An efficient high-throughput screening assay against nuclear transport .....  
..... LUO Min, ZHANG Quan-Cang, LU Zhi-Gang (927)