

ISSN 1002-7807
CN 41-1163/S

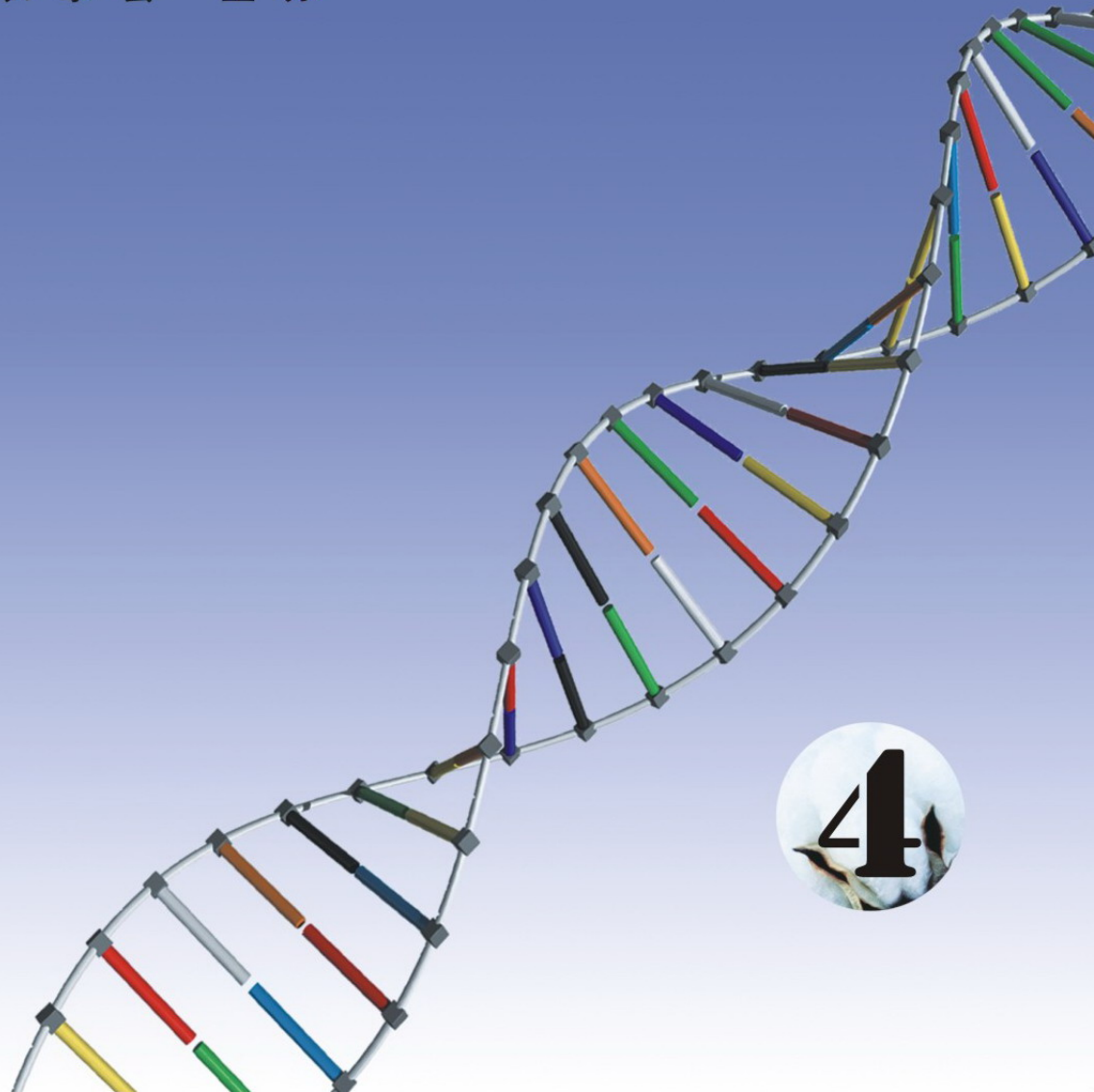
MIANHUA XUEBAO

棉花学报

Cotton Science

2020年 第三十二卷 第四期 Vol.32 No.4

中国农学会 主办



万方数据



目次

·研究与进展·

(279)陆地棉 *Dof* 基因家族的全基因组鉴定及分析 据龙贞,赵汀,方磊,胡艳,张天真

(292)斜纹夜蛾表皮蛋白基因克隆及表达谱分析 赵鹏,张帅,赵晨晨,胡方梅,崔金杰,李绍勤

(305)陆地棉苗期低温响应基因 *GhZAT10* 的克隆及功能研究
杨永飞,葛常伟,沈倩,张思平,刘绍东,马慧娟,陈静,刘瑞华,李士丛,赵新华,李志坤,庞朝友

(316)陆地棉 *NF-YA* 基因家族的全基因组鉴定与功能分析
潘奥,王静静,孙福来,张景霞,高阳,杜召海,焦梦佳,张军,王芙蓉,刘志

(329)贝莱斯芽孢杆菌 *SZAD1* 对大丽轮枝菌的生物防治效果 张琼,Zabihullah Sherzad,唐灿明

(339)晚播增密对棉花群体光合及干物质积累与分配的影响
李慧,万华龙,田立文,刘连涛,张永江,白志英,张科,王国平,孙红春,李存东

(348)陆海杂交种纤维品质和产量相关性状的鉴定与分析
李腾宇,许超,李耀明,苟成飞,洪铸,丁明全,孙晨栋

(360)棉蚜取食对苗期棉花游离氨基酸含量的影响 马妍,张帅,雒珺瑜,朱香镇,高雪珂,崔金杰

·研究简报·

(370)傅里叶变换红外显微光谱(Micro-FTIR)和 X 射线衍射(XRD)用于测定棉花结晶度效果比较
张李鹏,张石定,许鹏,李现常,张震,范森森,龚举武,袁有禄,商海红,邹华文

(封二)《棉花学报》编委会

(封三)广告·山东棉花研究中心

(封四)《棉花学报》投稿指南

棉花学报

Mianhua Xuebao

Cotton Science



ISSN 1002-7807

CN 41-1163/S

2020, Vol. 32, No. 4, July 15

Contents

• RESEARCH REPORTS •

(279) **Genome-Wide Identification and Analysis of *Dof* Gene Family in Upland Cotton**

Ju Longzhen, Zhao Ting, Fang Lei, Hu Yan, Zhang Tianzhen

(292) **Cloning and Expression Profiling of Cuticular Protein Genes of *Spodoptera litura***

Zhao Peng, Zhang Shuai, Zhao Chenchen, Hu Fangmei, Cui Jinjie, Li Shaoqin

(305) **Cloning and Functional Analysis of Low Temperature Response Gene, *GhZAT10*, in Upland Cotton at Seedling Stage**

Yang Yongfei, Ge Changwei, Shen Qian, Zhang Siping, Liu Shaodong, Ma Huijuan, Chen Jing, Liu Ruihua, Li Shicong, Zhao Xinhua, Li Zhikun, Pang Chaoyou

(316) **Genome-Wide Identification and Functional Analysis of the *NF-YA* Gene Family in *Gossypium hirsutum* L.**

Pan Ao, Wang Jingjing, Sun Fulai, Zhang Jingxia, Gao Yang, Du Zhaohai, Jiao Mengjia, Zhang Jun, Wang Furong, Liu Zhi

(329) **Biocontrol Effect of *Bacillus velezensis* Strain SZAD1 on *Verticillium dahliae***

Zhang Qiong, Zabihullah Sherzad, Tang Canming

(339) **The Effects of Increased-Density on Canopy Apparent Photosynthesis, Dry Matter Accumulation and Distribution of Cotton under Late-Sown Condition**

Li Hui, Wan Hualong, Tian Liwen, Liu Liantao, Zhang Yongjiang, Bai Zhiying, Zhang Ke, Wang Guoping, Sun Hongchun, Li Cundong

(348) **Identification and Analysis of Fiber Quality and Yield Related Traits of Interspecific (*Gossypium hirsutum* L. × *G. barbadense* L.) Hybrids**

Li Tengyu, Xu Chao, Li Yaoming, Gou Chengfei, Hong Zhu, Ding Mingquan, Sun Chendong

(360) **Regulation of Free Amino Acid in Cotton at the Seedling Stage by *Aphis gossypii* Feeding**

Ma Yan, Zhang Shuai, Luo Junyu, Zhu Xiangzhen, Gao Xueke, Cui Jinjie

• RESEARCH NOTES •

(370) **Study Crystallinity of the Developing Cotton Fibers by Micro-Fourier Transform Infrared Spectroscopy (FTIR) and X-Ray Diffraction (XRD)**

Zhang Lipeng, Zhang Shiding, Xu Peng, Li Xianchang, Zhang Zhen, Fan Senmiao, Gong Juwu, Yuan Youlu, Shang Haihong, Zou Huawen