



目 次

植物酰基载体蛋白基因家族序列分析	李孟军, 史占良, 郭进考, 何明琦, 王彦霞(1)
类圆环病毒因子 P1 感染对猪外周血单个核细胞抗病毒蛋白 mRNA 转录的影响	温立斌, 何孔旺, 杨汉春, 郭容利, 俞正玉, 茅爱华, 倪艳秀, 张雪寒, 周俊明, 吕立新, 李 彬, 王小敏(7)
棉花 <i>GhCOMT3</i> 基因的原核表达、纯化及鉴定	李 波, 倪志勇, 范 玲(12)
中国荷斯坦牛 <i>BOLA-DRB</i> 上游近端调控区序列分析	王学清, 王 昆, 吴占军, 张 峰, 李魁英(17)
猪 <i>Cst B</i> 基因 5'侧翼区序列的克隆研究	王文涛, 何鑫森, 张冬杰, 彭福刚, 吴赛辉, 刘 娣(20)
乌骨鸡黑色素基因的克隆及真核表达载体的构建	迟 良, 邹 明, 孙晓凤, 刘焕奇(22)
<i>Cst B</i> 基因在 90 日龄大白猪不同组织中的表达研究	王文涛, 何鑫森, 张冬杰, 彭福刚, 吴赛辉, 刘 娣(25)
玉米品种纯度 SSR 鉴定与田间鉴定的相关性	盖树鹏(28)
版纳甜龙竹 DNA 提取方法及 AFLP 反应体系建立研究	杨 清, 苏光荣, 韩 蕾, 王正良, 孙启祥, 彭镇华(32)
矮斗菜属 AFLP 体系的建立和优化	朱蕊蕊, 高亦珂, 张启翔(38)
甜瓜育种亲本材料遗传多样性及群体结构的 SSR 标记分析	王美荣, 许 勇, 詹永乐, 郭绍贵, 任 毅, 宫国义, 张海英(41)
棉花品种分子标记遗传多样性检测	郭宝生, 张建宏, 刘素恩, 刘存敬, 崔瑞敏, 王兆晓, 张香云, 耿军义, 王凯辉(47)
不同黄瓜基因型子叶再生体系的建立	张若纬, 顾兴芳, 王 烨, 张圣平, 张宝玺(50)
不同种源黄连木遗传多样性研究	王 超, 路丙社, 白志英, 王 洁, 冯献彬(55)
冰草属植物 ISSR 遗传分析与评价	闫伟红, 徐 柱, 李临杭, 马玉宝(60)
7 个玉米合成群体选系的杂优类群分析	李 燕, 杨克诚(65)
玉米茎秆性状与倒伏性的相关和通径分析	丰 光, 景希强, 李妍妍, 王 亮, 黄长玲(72)
黄淮海地区绿肥种质资源的筛选与评价	马卫萍, 苏宝新, 李志杰, 曹卫东, 孙文彦, 王来清, 宁东峰(75)
奶牛乳腺上皮细胞体外培养条件优化的初步研究	李喜艳, 王加启, 魏宏阳, 卜登攀, 胡 茵, 周凌云(80)
大白菜与甘蓝种间 BC ₁ 的减数分裂观测及其性状鉴定	孟雅平, 陈雪平, 刘 畅, 申书兴(86)
离子注入桉树大田生长的变异与选择研究	李光友, 徐建民, 杜志鹄, 韩 超, 吴世军, 李宝琦, 王 伟(90)
草莓果实重要性状动态规律研究	杨 雷, 杨 莉, 李 莉, 李海山, 郝保春(96)
半定量 RT-PCR 方法检测热应激对鲫鱼肝脏中 HSP70 mRNA 含量的影响	苏 岭, 李绍戊, 王 获, 刘红柏, 卢彤岩, 尹家胜(100)
水分胁迫下黄瓜生理生化的变化与抗旱性的关系	梁玉芹, 刘子会, 曹彩霞, 刘 云, 郭秀林, 宋炳彦(105)
NaCl 胁迫对不同苜蓿种质苗期生长特性的影响	李 源, 刘贵波, 高洪文, 孙桂枝, 王 赞(109)
番茄种子萌芽期抗旱性鉴定指标的研究	梁玉芹, 曹彩霞, 刘 云, 宋炳彦(117)
铅胁迫对糯玉米幼苗叶片叶绿素含量及抗氧化酶活性的影响	韩金龙, 王同燕, 徐立华, 徐相波, 周柱华, 邱登林, 阴卫军(121)
紫茎泽兰叶水提液对玉米种子萌发和幼苗生长的影响	徐成东, 浦雪梅, 李国树, 冯建孟(124)
生态因子对玉米多育性的影响	张 欣, 张宝石, 赵 明, 李连禄, 王美云, 张 旭(128)
外来入侵植物黄顶菊生长及光合特性	许 贤, 王贵启, 樊翠芹, 李秉华(133)
减源对甜高粱光合产物生产和分配的影响	池云花, 王空军, 蒋高明, 吴秋平, 石 雷(139)
辣椒 9024 苗期茸毛性状测定及其光合性能比较	胡能兵, 隋益虎, 张子学, 何克勤(144)
一种新型玉米苗期反复干旱存活率鉴定试验设计及效果研究	姚艳荣, 贾秀领, 马瑞昆, 贾银锁, 张丽华, 董志强, 申海平, 郭 丽(148)
转基因抗虫棉衡科棉 369 抗旱生理特性研究	刘丽英, 戴茂华, 吴振良, 岳海旺, 郭秀林(152)
不同贮藏温度对秦阳苹果采后生理的影响	高 华, 鲁玉妙, 王雷存, 万怡震, 赵政阳, 胡艳妮(154)

矮秆、早熟、大穗大粒冬小麦品种衡观 35 籽粒干物质积累初步研究

苗期不同水分处理对菜心部分生理指标的影响	孙书雯,陈秀敏,乔文臣,孟祥海,魏建伟,李 丁(157)
种植密度对玉米先玉 335 和郑单 958 生理特性、产量的影响	徐 燕,王永飞(162)
不同热处理方式对牛奶中 IgG 和乳铁蛋白的影响	白志英,李存东,郑金凤,毕常锐,唐光雷(166)
我国不同来源 DDGS 鸡代谢能的研究	程金波,王加启,李珊珊,甄云鹏,刘光磊,卜登攀,刘开朗(170)
日粮添加 DDGS 对奶牛血液生化指标的影响	李秋菊,邓立康,李 超,张军民,赵青余,王志祥(175)
DDGS 对肥育猪生长性能和血清生化指标的影响	颜志辉,王加启,王 萌,卜登攀,魏宏阳,周凌云,周振峰,孙 鹏(179)
氮肥和化学调控对小麦品质的调节效应	吴 丹,贾连平,陈冠军,王修启,赵青余,张军民(184)
河北省麦田土壤硒的含量、形态及其有效性研究	马少康,赵广才,常旭虹,杨玉双,杨桂霞,徐凤娇(190)
冬小麦硒素吸收积累特性及叶面喷硒效应研究	唐玉霞,王慧敏,刘巧玲,吕英华,孟春香(194)
不同耕作及秸秆还田条件下冬小麦养分利用率研究	唐玉霞,王慧敏,吕英华,刘巧玲,杨军方(198)
规模经营稻田土壤养分空间变异特征与高效平衡施肥效应	杨云马,贾树龙,孟春香,孙颜铭(202)
有机无机肥施对太行山山前平原小麦产量和土壤培肥的影响	黄立梅,黄绍文,刘双全,周 卫(205)
硝化抑制剂 CMP 对土壤中尿素转化的影响研究	邢素丽,刘孟朝,徐明岗(212)
山东栖霞市红富士苹果花芽营养诊断研究	于阁杰,石元亮,古慧娟,王婷婷,魏占波(217)
氮钾肥对南粳 44 产量和品质的影响	陈志强,李絮花,赵庚星,朱希存(220)
控释 BB 肥对大葱生长和养分吸收规律的影响	杨艳华,张亚东,朱 镇,陈 涛,赵庆勇,周丽慧,王才林(225)
间作三叶草对大田甜玉米产量、品质及土壤矿质氮的影响	张玉凤,董 亮,李 彦,张英鹏,孙 明,杨 力,于淑芳,陈广思(230)
概述氮肥水平对玉米生理及产量性状的影响	张银燕,高丽红,周文萍,李志芳(236)
生物多样性对牧草生产力、营养成分和氮循环的影响	刘武仁,郑金玉,罗 洋,郑洪兵,李瑞平,李伟堂(239)
菌根菌在植物修复重金属污染土壤中的作用	廖智毅,王 敏,朱 珏,易爱军,谭支良,王克林(243)
咸水灌溉对紫花苜蓿生物学性状的影响	董 明,王冬梅,王晓英(250)
不同品种猪背最长肌 <i>eIF4E</i> 、 <i>PPARGC-1</i> 、 <i>VEGFA</i> 和 <i>c-Jun</i> mRNA 丰度比较研究	秦文利,刘忠宽,刘振宇,智健飞(254)
鸡肾型传染性支气管炎病毒的分离鉴定	杨 舟,王修启(258)
利用显性标记对寒地水稻稻瘟病抗性基因 <i>Pi-b</i> 的检测	邹立宏,翟含流,武现军,李玉荣,霍书英(263)
二氢吡啶对热应激奶牛产奶量以及奶牛体温、呼吸频率的影响	程芳艳,李春光,孟昭河,刘华招,刘永薇,孟巧霞,张景龙,宋冬明(266)
河北省棉花立枯丝核菌菌丝融合群及其致病性研究	张 峰,吴占军,张新同,王 昆,王学清,马书林,刘小虎(270)
烯酰吗啉与百菌清复配对辣椒疫霉菌的增效作用	王伟娟,鹿秀云,李宝庆,郭庆港,李社增,马 平(274)
棉花抗除草剂 2,4-D 品系抗性遗传分析	齐永志,张小凤,王文桥,赵卫松,马志强,韩秀英(279)
低温对不同虫态烟草甲的影响	郭宝生,刘素恩,张建宏,崔瑞敏,王兆晓,刘存敬,耿军义,张香云,王凯辉(285)
抗猪附红细胞体药物体内筛选模型的建立与应用	王秀芳,任广伟,周显升,王新伟,陈 丹,李世博(287)
树木挥发物及其抗虫作用研究进展	李 辉,刘聚祥,刘 静,王建平,李宏娟,许亚改(290)
我国棉粕和棉籽蛋白营养成分和棉酚含量调研	史胜青,雷静品,胡永建,李良俊,邬江辉(295)
微生物复合添加剂对苜蓿青贮效果的影响	王安平,吕云峰,张军民,赵青余,王加启,田科雄(301)
绿肥对番茄发病率和土壤微生物种群数量的影响	王国良,李 顺,贾春林,盛亦兵,何 峰,李向林(305)
木质纤维素生物降解机理及其降解菌筛选方法研究进展	董晓霞,刘兆辉,王 梅,王学君,郑东峰,孙泽强(309)
白洋淀芦苇田常见杂草种类及发生情况调查	王士强,顾春梅,赵海红(313)
大花蕙兰的品种分类研究	浑之英,袁立兵,苏增朝,王紫鹏(318)
基于灰色统计的打叶复烤片烟结构稳定性评价	王日明,王利民,王四清(323)
	何结望,王 满,谢 豪,吴风光,闫铁军,毛福利,许自成(328)

CONTENTS

Sequence Analysis of Plant Acyl Carrier Protein	LI Meng-jun <i>et al</i> (1)
Effects of Porcine Circovirus-like Agent P1 Infection on the Porcine Antiviral Protein mRNA Transcriptions in Peripheral Blood Mononuclear Cells of Piglets	WEN Li-bin <i>et al</i> (7)
Prokaryotic Expression, Purification and Identification of Caffeic acid-3-O-methyltransferase Gene from <i>Gossypium hirsutum</i> L.	LI Bo <i>et al</i> (12)
Nucleotide Sequence of the Upstream Regulatory Region of <i>BoLA-DRB</i> in Chinese Holstein	WANG Xue-qing <i>et al</i> (17)
The Research of Clone <i>Cst B</i> Gene 5' End Sequence in Pig	WANG Wen-tao <i>et al</i> (20)
Molecular Cloning of Melanocortin 1-receptor Gene of Silky Fowl and Its Constructions of Eukaryotic Expressing Vector	CHI Liang <i>et al</i> (22)
The Expression of <i>Cst B</i> Gene in Different Tissues from Yorkshire at 90 Days of Age	WANG Wen-tao <i>et al</i> (25)
The Relativity between SSR Method and Field Test in the Hybrids Purity Identification of Maize	GAI Shu-peng(28)
Study on Genomic DNA Extraction Method and AFLP Amplification Reaction System of <i>D. hamiltonii</i> Nees et Arn. ex Munro	YANG Qing <i>et al</i> (32)
Optimization of AFLP of <i>Aquilegia</i>	ZHU Rui-rui <i>et al</i> (38)
Analysis of Genetic Diversity and Population Structure in Melon (<i>Cucumis melo</i> L.) Breeding Materials by SSR Markers	WANG Mei-rong <i>et al</i> (41)
Genetic Diversity Detected by Molecular Markers in Cotton	GUO Bao-sheng <i>et al</i> (47)
Regeneration System Establishment from Cotyledons in Different Cucumber(<i>Cucumis sativus</i> L.) Genotypes	ZHANG Ruo-wei <i>et al</i> (50)
Genetic Diversity of Different Geographical Populations of <i>Pistacia chinensis</i> Bunge	WANG Chao <i>et al</i> (55)
Genetic Analysis and Evaluation of <i>Agropyron.</i> on ISSR	YAN Wei-hong <i>et al</i> (60)
Analysis on Heterotic Group of Inbred Lines from 7 Synthetic Maize Populations	LI Yan <i>et al</i> (65)
Correlation and Path Analysis of Lodging Resistance with Maize Stem Characters	FENG Guang <i>et al</i> (72)
Collection and Evaluation of Green Manure Germplasm Resources for Huang-Huai-Hai Area in China	MA Wei-ping <i>et al</i> (75)
The Optimal Culture Conditions in Vitro for Bovine Mammary Epithelial Cells	LI Xi-yan <i>et al</i> (80)
Meiosis Observation and Behaviour Evaluation of Interspecific BC ₁ Derived from Chinese Cabbage and Cabbage	MENG Ya-ning <i>et al</i> (86)
Studies on Growth and Adaptability Analysis of <i>Eucalyptus urophylla</i> Families by Ion-implanting in 3 Sites	LI Guang-you <i>et al</i> (90)
Dynamic Regular Studies about Important Characters of Strawberry Fruit	YANG Lei <i>et al</i> (96)
Semi-quantitative RT-PCR Method of Detection of Heat Stress on Fish Liver Content of HSP70 mRNA	SU Ling <i>et al</i> (100)
Correlations between Physiological and Biochemical Changes and Drought Resistance under Water Stress	LIANG Yu-qin <i>et al</i> (105)
Effect of NaCl Stress on the Characteristic of Growth of Different Alfalfa Germplasms during Seedling Stage	LI Yuan <i>et al</i> (109)
Studies on Identification Indexes of Drought Resistance of Tomato at Germination Stage ...	LIANG Yu-qin <i>et al</i> (117)
Effects of Lead Stress on Chlorophyll Content and the Activity of Antioxidant Enzymes in Waxy Corn Seedling Leaves	HAN Jin-long <i>et al</i> (121)
The Water Extracting Solution of <i>Eupatorium adenophorum</i> Leaves Influence on Seed Germination and Seedling Growth of <i>Zea mays</i>	XU Cheng-dong <i>et al</i> (124)
The Effects of Ecological Elements on Maize Prolificacy	ZHANG Xin <i>et al</i> (128)
Growth and Photosynthetic Characteristics of Exotic Invasive Weed <i>Flaveria bidentis</i>	XU Xian <i>et al</i> (133)
Effects of Leaf Removal on Dry Matter Accumulation and Participation of Sweet Sorghum	CHI Yun-hua <i>et al</i> (139)
The Survey of Trichome Character at Seedling Stage and Contrast in Photosynthesis Indexes of Pepper 9024	HU Neng-bing <i>et al</i> (144)
A New Design Method of Double Randomized Block with Single Planting for Evaluating Seedling Survival Percentage after a Repeated Drought Stress in Maize	YAO Yan-rong <i>et al</i> (148)
Study on Physiological Traits of Drought Resistance for Transgenic Cotton Cultivar Hengke Cotton 369	LIU Li-ying <i>et al</i> (152)
Effects of Post-harvest Physiology on Qinyang Apple during Storage under Different Temperature	GAO Hua <i>et al</i> (154)
The Preliminary Study for Grain Dry Matter Accumulation of the Winter Wheat Variety-Hengguan35 with Short-stem,	

- Early Maturity, Big Spike and Big Grain SUN Shu-luan *et al* (157)
- Effect of Different Water Treatments on Physiological Indices in *Brassica chinensis* L. var. *parachinensis* (Bailey) during Seedling Stage XU Yan *et al* (162)
- The Effect of Plant Density on the Physiological Characters and Yield of Maize Xianyu 335 and Zhengdan 958 BAI Zhi-Ying *et al* (166)
- The Effect of Different Heat Treatments on IgG and Lactoferrin in the Milk CHENG Jin-bo *et al* (170)
- Study on Energy of Poultry in DDGS for Adult Roosters LI Qiu-ju *et al* (175)
- Effect of Feeding Dried Distillers Grains with Solubles on the Blood Metabolites of Chinese Holstein Cows YAN Zhi-hui *et al* (179)
- Effects of Adding DDGS to the Diet of Finishing Pigs on Growth Performance and Serum Biochemical Indexes WU Dan *et al* (184)
- The Effects of Nitrogen and Chemical Control on Wheat Quality MA Shao-kang *et al* (190)
- Study on the Content, Speciation Distribution and Availability of Selenium in Wheat Field Soils of Hebei TANG Yu-xia *et al* (194)
- Selenium Absorption and Accumulation Characteristics of Winter Wheat and Effects of Foliar Spray of Selenium TANG Yu-xia *et al* (198)
- Study on Nutrient Use Efficiency of Winter Wheat under Different Tillage and Straw Treatments YANG Yun-ma *et al* (202)
- Spatial Variability of Soil Nutrients and Crop Response to Balanced Fertilization in a Rice Production Area under the Collective Contract System HUANG Li-mei *et al* (205)
- The Research of NPK Fertilizer Combined with Soil Organic Manure Enhancing Soil Fertilization in Taihang Piedmont Plain XING Su-li *et al* (212)
- Effects of CMP-nitrification Inhibitor on Urea-N Transformation YU Ge-Jie *et al* (217)
- Flower Sample Nutrition Diagnosis of Red Fuji Apple in Qixia City Shandong Province CHEN Zhi-qiang *et al* (220)
- Effects of Nitrogen and Potassium on Yield and Quality of Nanjing 44 YANG Yan-hua *et al* (225)
- Effects of Controlled Release Blend Bulk Fertilizers on the Growth and Nutrients Absorbing Rule of Green Chinese Onion ZHANG Yu-feng *et al* (230)
- Effects of Intercropping Clover on Yield, Quality of Sweet Corn and Soil Mineral N in Field ZHANG Yin-yan *et al* (236)
- Research Advance on Physiological Changes Respond to level of N Application LIU Wu-ren *et al* (239)
- Effect of Forage Diversity on Productivity, Forage Chemical Composition and Soil Nitrogen Profile LIAO Zhi-yi *et al* (243)
- The Role of Mycorrhizal Fungi of Plant Repair Heavy Metal Contaminated Soil DONG Ming *et al* (250)
- The Influence of Salt Water Irrigation on Alfalfa Biology Characters QIN Wen-li *et al* (254)
- Comparison of *eIF4E*, *PPARGC-1*, *VEGFA* and *c-Jun* Gene mRNA Abundance of Longissimus Dorsi Muscle in Different Domestic Pigs (*Sus scrofa*) YANG Zhou *et al* (258)
- Isolation and Identification of Kidney Strain of Avian Infectious Bronchitis Virus ZOU Li-hong *et al* (263)
- Distribution of Blast Resistance Genes *Pi-b* in Cold Rice Cultivars in Heilongjiang Province CHENG Fang-yan *et al* (266)
- Effects of 1,4-dihydropyridine on Milk Yield, Body Temperature and Respiration of Lactating Dairy Cows in Heat Stress ZHANG Feng *et al* (270)
- Anastomosis Groups of *Rhizoctonia solani* from Cotton and Their Pathogenicities in Hebei Province WANG Wei-juan *et al* (274)
- The Synergism of the Mixtures of Dimethomorph and Chlorothalonil to *Phytophthora capsici* QI Yong-zhi *et al* (279)
- Analysis on the Inheritance of Herbicide 2,4-Dichlorophenoxy Acetic Acid Resistance in Cotton GUO Bao-sheng *et al* (285)
- The Effect of Low Temperature on *Lasioderma serricorne* (Fabricius) WANG Xiu-fang *et al* (287)
- The Establishment and Application of the Model for Screening Drugs in Vivo against *Eperythrozoonosis suis* LI Hui *et al* (290)
- Perspective of VOCs Emission and Its Functions on Defence of Insects in Trees SHI Sheng-qing *et al* (295)
- Study of Nutritional Composition and Gossypol Content of Cottonseed Meal and Cottonseed Protein in China WANG An-ping *et al* (301)
- The Effect of Microbe Compound Additives on Alfalfa Silage WANG Guo-liang *et al* (305)
- Effects of Green Manure on Tomato Bacterial Wilt and the Quantity of Soil Microbial Species DONG Xiao-xia *et al* (309)
- The Research Progress on the Mechanisms of Lignocellulose Biological Degrading and the Screening Method on the Degrading Bacteria WANG Shi-qiang *et al* (313)
- Investigation on Weeds in Reed Fields in Baiyangdian Lake HUN Zhi-ying *et al* (318)
- Studies on the Cultivars Classification of *Cymbidium hybridum* WANG Ri-ming *et al* (323)
- Evaluation on Stability of Threshing and Redrying Lamina Structure Based on Grey Statistic Analysis HE Jie-wang *et al* (328)