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搜索



张爱民

张爱民，博士，研究员，植物细胞与染色体工程国家重点实验室副主任。

1989年在北京农业大学获博士学位。1993年在北京农业大学农学系任教授，2000年获“国家杰出青年基金”资助，同年入选中国科学院遗传与发育生物学研究所“百人计划”，2001年到遗传与发育生物学研究所工作。

主要研究方向：

1) 小麦分子育种及品种分子设计

开展小麦品质遗传的研究，通过创造小麦高低分子量麦谷蛋白亚基突变体，深入研究低分子量麦谷蛋白亚基突变体的遗传机制及其品质效应。建立小麦高低分子量麦谷蛋白亚基基因的分子标记，开展分子标记辅助选择的研究。开展小麦抗盐抗旱的分子遗传研究，主要目标为克隆小麦SOS途径的主要基因并深入开展功能研究。

2) 植物雄性不育分子机理与比较线粒体基因组学

研究建立小麦雄性不育恢复基因、小麦光温敏雄性不育基因的分子标记、开展恢复基因及不育基因的标记辅助选择。研究利用三系、两系和化学杂交剂技术培育杂交种的技术和方法。比较研究雄性不育与可育的线粒体基因组和蛋白组，力图阐明细胞质雄性不育发生的分子机理。

主要论文：

Junfeng Zhang Zhiyong Deng Shuanghe Cao Xianping Wang **Aimin Zhang** Xiangqi Zhang Isolation of Six Novel Aquaporin Genes from *Triticum aestivum* L. and Functional Analysis of TaAQP6 in Water Redistribution *Plant Mol Biol Rep* 2008 26:32 - 45

Jing Wang, Jiazhu Sun, Dongcheng Liu, Wenlong Yang, Daowen Wang, Yiping Tong, **Aimin Zhang** Analysis of *Pina* and *Pinb* alleles in the micro-core collections of Chinese wheat germplasm by Ecotilling and identification of a novel *Pinb* allele *Journal of cereal sciences* 2008 48: 836-842

Jun Ji Zhiguo Wang Jiazhu Sun Junming Li Xiangqi Zhang Daowen Wang **Aimin Zhang** Identification of new T1BL.1RS translocation lines derived from wheat (*Triticum aestivum* L. cultivar " Xiaoyan No. 6 ") and rye hybridization *Acta Physiol Plant* 2008 30: 689-695

Yong Liu, Dongcheng Liu, Haiying Zhang, Hongbo Gao, Xiaoli Guo, Daowen Wang, Xiangqi Zhang, **Aimin Zhang** The  $\alpha$ - and  $\beta$ -expansin and xyloglucan endotransglucosylase/hydrolase gene families of wheat: molecular cloning, gene expression, and EST data mining *Genomics* 2007, 90: 516-529

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