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张静柏，女，1979年生，博士，华中农业大学植物科学技术学院教师。2002年以优异成绩毕业于河北农业大学植物病理学专业，同年考入华中农

理专业，成为廖玉才教授的硕博连读研究生，2008年1月获华中农业大学植物病理博士学位，毕业留校。主要从事小麦赤霉病菌分子生物学、赤霉
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科研项目

国家自然科学基金青年科学基金项目：“赤霉菌致病相关基因CR1 的鉴定和功能分析”（2013-2015，主持）
教育部新教师基金：“我国长江中下游小麦、玉米赤霉菌系统群及产毒性比较研究”（2009-2012，主持）
武汉市科技计划项目：“抗伏马菌素特异重组抗体的分离及应用”（2013-2014，主持）
农业部重大专项：“抗赤霉病转基因小麦新品系和新种质创制”（2011-2015，参加）
科技部973课题：“有害物质从饲料污染到畜禽产品残留的传递规律研究”（2009-2013，参加）
国家自然科学基金面上项目：“我国小麦赤霉病菌的遗传多样性及产毒性和致病性研究”（2008-2010，参加）

发明专利及获奖情况

发表的论文及著作

1）Zhang, J.-B., Wang, J.-H., Gong, A.-D., Chen, F.-F., Song, B., Li, H.-P., Li, X., Peng, C.-H, Liao Y.-C. Natural occurrence of Fusarium head blight, mycotoxi
producing strains of Fusarium in commercial fields of wheat in Hubei. Plant Pathology, 2012, Doi: 10.1111/j.1365-3059.2012.02639.x.
2）Li, X., Zhang, J.-B., Song, B., Li, H.-P., Xu, H. Q., Qu, B., Dang, F.-J., Liao, Y.-C. Resistance to Fusarium head blight and seedling blight in wheat is associa
of a cytochrome P450 gene. Phytopathology, 2010, 100:183-191.
3）Li, H.-P., Zhang, J.-B., Shi, R.-P., Huang, T., Fischer, R., Liao, Y.-C. Engineering Fusarium head blight resistance in wheat by expression of a fusion p
Fusarium-specific antibody and an antifungal peptide. Molecular Plant-Microbe Interaction, 2008, 21:1242-1248.
4）Zhang, J.-B., Li, H.-P., Dang, F.-J., Qu, B., Xu, Y.-B., Zhao, C.-S., Liao, Y.-C. Determination of the trichothecene mycotoxin chemotypes and assoc
distribution and phylogenetic species of the Fusarium graminearum clade from China. Mycological Research, 2007, 111:967-975.
5）Ndoye, M., Zhang, J-B., Wang, J.-H., Gong A-D, Qu B, Li, H.-P., Li S-J, Liao, Y.-C. Nivalenol and 15-acetyldeoxynivalenol chemotypes of Fusarium gramine
are prevalent on maize throughout China. Journal of Phytopathology, 2012, doi: 10.1111/j.1439-0434.2012.01944.x.
6）Wang, J.-H., Zhang, J-B., Chen, F.- F., Li, H.-P., Ndoye M., Liao, Y.-C. A multiplex PCR assay for genetic chemotyping of toxigenic Fusarium graminearum a
3-acetyldeoxynivalenol, 15-acetyldeoxynivalenol and nivalenol mycotoxins. Journal of Food, Agriculture and Environment. 2012, 10: 505-511.
7）Hu, Z.-Q., Liu, J. L., Li, H.-P., Xing, S., Xue, S., Zhang, J.-B., Wang, J.-H., Nölke, G., Liao, Y.-C. Generation of a highly reactive chicken-derived single-chai
against Fusarium verticillioides by phage display. International Journal of Molecular Sciences, 2012, 13, 7038-7056.
8）Liu, G., Han, Z., Nie, D., Yang, J., Zhao, Z. H., Zhang, J. B., Li, H.P., Liao, Y. C., Song, S., Saeger, S. D., Wu, A. B. Rapid and sensitive quantitation of zeara
feed by lateral flow immunoassay. Food Control, 2012, 27: 200-205.
9）Gao, C.-S., Kou, X.-J., Li, H.-P., Zhang, J.-B., Saad, A. Sefyan I., Liao, Y.-C. Inverse effects of Arabidopsis NPR1 gene on fusarium seedling blight and fusa
transgenic wheat. Plant Pathology, 2012, Doi: 10.1111/j.1365-3059.2012.02656.x.
10）Liu, Z.-W., Li, H.-P., Cheng, W., Yang, P., Zhang, J.-B., Gong, A.-D., Feng, Y.-N., Fernando, W. G. D., Liao, Y.-C. Enhanced overall resistance to Fusarium
Fusarium head blight in transgenic wheat by co-expression of anti-fungal peptides. European Journal of Plant Pathology, 2012, DOI: 10.1007/s10658-012-0048-
11）Liu, J.-L., Hu, Z.-Q., Xing, S., Xue, S., Li, H.-P., Zhang, J.-B., Liao, Y.-C*. Attainment of 15-fold higher affinity of a Fusarium-specific single-chain an
molecular evolution coupled to phage display. Molecular Biotechnology, 2012, 52: 111-122.
12）Wang, J.-H., Ndoye, M., Zhang, J.-B., Li, H.-P., Liao, Y.-C. Population structure and genetic diversity of the Fusarium graminearum species complex. To
1037.
13）Xu, Y.-B., Li, H.-P., Zhang, J.-B., Song, B., Chen, F.-F., Duan, X.-J., Xu, H.-Q., Liao, Y.-C. Disruption of the chitin synthase gene Chs1 from Fusarium asia
altered structure of cell walls and reduced virulence. Fungal Genetics and Biology, 2010, 47: 205-215.
14）Wang, J.-H., Li, H.-P., Qu, B., Zhang, J.-B., Huang, T., Chen, F.-F., Liao, Y.-C. Development of a generic PCR detection of 3-acetyldeoxynivalenol-, 15-ace
and nivalenol-chemotypes of Fusarium graminearum clade. International Journal of Molecular Sciences, 2008, 9:2495-2504.
15）Li, H.-P., Zhang, J.-B., Qu, B., Huang, T., Chen, F.-F., Xu, Y.-B., Wu, A.-B., Nicholson, P., Liao, Y.-C. Phylogenetic species, mycotoxin chemotypes
distribution of Fusarium asiaticum and F. graminearum on wheat spikes throughout China. Journal of Plant Pathology, 2008, 90:3-S3, 89.
16）Hu, Z.-Q., Li, H.-P., Zhang, J.-B., Glinka, E., Liao, Y.-C. Antibody-mediated prevention of Fusarium mycotoxins in the field. International Journal of Molec
9: 1915-1926.
17）Qu, B., Li, H.-P., Zhang, J.-B., Xu, Y.-B., Huang, T., Wu, A.B., Zhao, C.-S., Carter, J., Nicholson, P., Liao, Y.-C. Geographical distribution and genetic divers
graminearum and F. asiaticum on wheat spikes throughout China. Plant Pathology, 2008, 57: 15-24.
18）Qu, B., Li, H.-P., Zhang, J.-B., Huang, T., Carter, J., Liao, Y.-C., P. Nicholson. Comparison of genetic diversity and pathogenicity of Fusarium head blig
China and Europe revealed by SSCP and seedling assays on wheat. Plant Pathology, 2008, 57:642-651.
19）李和平，张静柏，廖玉才. 绿色荧光蛋白基因在小麦禾谷镰刀菌中的表达与鉴定. 麦类作物学报，2010，30(5):824-828
20）刘春雷，廖玉才，张静柏，黄涛，李和平. 赤霉病菌特异抗体-防御素融合蛋白的表达和功能鉴定. 华中农业大学学报，2007, 26(4): 21-24.
21）武爱波，李和平，张静柏，赵纯森，姚明镜，Scholten O.，廖玉才. 中国与欧洲禾谷镰刀菌DON毒素的HPLC定量比较分析. 应用与环境生
13（1）：131-134

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