

CHENGLIN CHAI

Contact Information

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Education and Research Experience

Post Doctoral Researcher, 2008 April-present
The Ohio State University, Columbus, OH, USA
Advisor: Prof. Erich Grotewold

Ph.D., Genetics, 2003-2008
Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing, China
Dissertation: “Map-based Cloning and Characterization of *ZEBRA2* Gene in Rice (*Oryza sativa* L.)”
Advisor: Prof. Chengcai Chu; Co-advisor: Prof. Min Liu and Prof. Zhukuan Cheng

M.S., Pomology, 1997-2000
Department of Pomology, College of Agriculture and Biotechnology, China Agricultural University, Beijing, China
Dissertation: “The Study of Assimilate Distribution and Carbohydrate Metabolism in Peach Seedlings (*Prunus persica* cv. Jingchun) during Water Stress and after Water Stress Relief”
Advisors: Prof. Shaohua Li

B.S., Pomology, 1993-1997
Department of Pomology, Agricultural University of Hebei, Baoding, China

Teaching Experience

Teaching assistant, 2000-2003
Huazhong Agricultural University, Wuhan, Hubei Province, China

Awards and Fellowship

Outstanding Student Award (1994) and **Merit Student Award** (1995) in Agricultural University of Hebei

Graduate Fellowship (2003 and 2006) Institute of Genetics and Developmental Biology, CAS

Peer Reviewed Publications

1. Wang Y, Xiao Y, Zhang Y, **Chai C**, Wei G, Wei X, Xu H, Ouwerkerk PBF, Wang M, Zhu Z. Molecular cloning, functional characterization and expression analysis of a novel monosaccharide transporter gene *OsMST6* from rice (*Oryza sativa* L.). (Accepted by Planta)
2. Fang J*, **Chai C***, Qian Q*, (*: co-first author) Li C, Tang J, Sun L, Huang Z, Guo X, Liu M, Lu Q, Wang Y, Lu C, Han B, Chen F, Cheng Z, Chu C. (2008) Mutations of genes in synthesis of the carotenoid precursors of ABA lead to preharvest sprouting and photo-oxidation in rice. *Plant J* (doi: 10.1111/j.1365-313X.2008.03411.x).
3. Wang Y.Q., Wei X.L., Xu H.L., **Chai C.L.**, Meng K., Zhai H.L., Sun A.J., Peng Y.G., Wu B., Xiao G.F., Zhu Z. (2008) Cell-wall invertases from rice are differentially expressed in caryopsis during the grain filling stage. *J Integr Plant Biol*, 50 (4): 466–474)
4. Wang Y., Xu H., Wei X., **Chai C.**, Xiao Y., Zhang Y., Chen B., Xiao G., Ouwerkerk P.B.F., Wang M., Zhu Z. (2007) Molecular cloning and expression analysis of a monosaccharide transporter gene *OsMST4* from rice (*Oryza sativa* L.). *Plant Mol Biol* 65:439-451
5. **Chai C.**, Li S., Xu Y., Song W. (2004) Assimilates distribution in young peach plants during water stress and after removing water stress. *Acta Hort. Sinica*. 31(5): 574-578.
6. **Chai C.**, Li S., Xu Y. (2001) Carbohydrate metabolism in peach leaves during water stress and after stress relief. *Plant Physiol. Commun.* 37: 495-498.
7. Xu Y., Li S., **Chai C.**, Liu G., Chen S. (2001) Carbohydrate metabolism in source leaves of Jonagold apple tree under water stress and after water stress relief. *J. Fruit Sci.* 18 (1): 1-6.