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研究方向/领域: 遗传学、生物信息学

深圳华大生命科学研究院，生物信息研究员。中国科学院遗传与发育生物学研究所，遗传学，博士。

教育经历 (从大学本科开始, 按时间倒序排序; 请列出攻读研究生学位阶段导师姓名):

(1) 2005.09-2011.01, 中国科学院遗传与发育生物学研究所, 遗传学, 博士, 导师: 王道文;

(2) 1998.09-2002.07, 北京师范大学, 生物科学, 本科。

科研与学术工作经历 (按时间倒序排序; 如为在站博士后研究人员或曾进入博士后流动站 (或工作站) 从事研究, 请列出合作导师姓名):

(1) 2019.05-至今, 深圳华大生命科学研究院, 生物信息研究员

(2) 2017.05-2019.05, 深圳市华大农业应用研究院, 农业应用研究所, 农业基因组学大数据中心负责人

(3) 2013.04-2017.05, 华大基因科技服务有限公司, 数据分析中心, 大项目负责人

(4) 2011.04-2013.03, 美国爱荷华州立大学, 博士后, 合作导师: Hui-Hsien Chou

主持或参加科研项目 (课题) 及人才计划项目情况 (按时间倒序排序):

(1) 深圳市基础研究学科布局, JCYJ20180507183534578, 基 20180216 药用植物药效单体的合成生物学制造, 2019/03/18-2022/03/18。在研, 参加。

(2) 深圳市战略性新兴和未来产业发展专项, XDNYCYFC20160808030013, 小农作物种质资源收集、测序分析及数据库建立, 2017/01-2019/12。在研, 参加。

(3) 深圳市基础研究计划学科布局, JCYJ20160331150844452, 基 20160077 国花牡丹基因组学研究, 2016/06-2019/06。在研, 参加。

(4) 深圳市基础研究学科布局, JCYJ20150831201123287, 基于全基因组测序的被子植物系统进化研究, 2015/10-2018/10。在研, 参加。

近三年代表性研究成果和学术奖励情况 (每项均按时间倒序排序)

一、代表性论著[1-13]

[1] Shuo Zhao, Xingyuan Xi, Yuan Zong, **Shiming Li**, Yun Li, Dong Cao, Baolong Liu, Overexpression of ThMYC4E Enhances Anthocyanin Biosynthesis in Common Wheat, International Journal of Molecular Sciences 21(1) (2020) 137.

[2] Rongzhi Zhang, Siyuan Huang, **Shiming Li**, Guoqi Song, Yulian Li, Wei Li, Jihu Li, Jie Gao, Tiantian Gu, Dandan Li, Shujuan Zhang, Genying Li, Evolution of PHAS loci in the young spike of Allohexaploid wheat, BMC Genomics 21(1) (2020) 200. (共同一作)

[3] Zhijun Tong, Juhong Zhou, Zhihui Xiu, Fangchan Jiao, Yafei Hu, Fengya Zheng, Xuejun Chen, Yanli Li, Dunhuang Fang, **Shiming Li**, Xingfu Wu, Jianmin Zeng, Shancen Zhao, Jianbo Jian, Bingguang Xiao, Construction of a high-density genetic map with whole genome sequencing in Nicotiana tabacum L, Genomics 112(2) (2020) 2028-2033.

[4] Xiaolong Gan, Dong Cao, Zhenyu Zhang, Shu Cheng, Le Wei, **Shiming Li**, Baolong Liu, Draft Genome Assembly of Floccularia luteovirens, an Edible and

Symbiotic Mushroom on Qinghai-Tibet Plateau, G3 (Bethesda) (2020). (共同通讯)

[5] Yuan Zong, **Shiming Li**, Xinyuan Xi, Dong Cao, Zhong Wang, Ran Wang, Baolong Liu, Comprehensive Influences of Overexpression of a MYB Transcriptor Regulating Anthocyanin Biosynthesis on Transcriptome and Metabolome of Tobacco Leaves, *Int J Mol Sci* 20(20) (2019) 5123. (共同一作)

[6] Yuan Zong, Guomin Li, Xingyuan Xi, Xuemei Sun, **Shiming Li**, Dong Cao, Huaigang Zhang, Baolong Liu, A bHLH transcription factor TsMYC2 is associated with the blue grain character in triticale (*Triticum* × *Secale*), *Plant cell reports* 38(10) (2019) 1291–1298.

[7] Xuebin Zhu, Jianmin Li, Yuan Zong, Xuemei Sun, **Shiming Li**, Dong Cao, Bo Zhang, Wenjie Chen, Baolong Liu, Transcriptome analysis identifies the key genes responsible for high anthocyanin content in the fruits of *Lycium ruthenicum* Murray, *Current Science* 116(2) (2019) 256.

[8] Ran Wang, **Shiming Li**, Lifeng Jin, Wei Zhang, Nan Liu, Hongjiao Wang, Zhong Wang, Pan Wei, Feng Li, Jiaqi Yu, Sheming Lu, Yong Chen, Zhengfeng Li, Chongming Wu, Four-week administration of nicotinemoderately impacts blood metabolic profile and gut microbiota in a diet-dependent manner, *Biomed Pharmacother* 115 (2019) 108945. (共同一作)

[9] **Shiming Li**, Xuemei Ni, Qiuju Xia, Yunfei Li, Xiao Dong, Junliang Hou, Zehua Li, Shu Cheng, Dong Cao, Zhenyu Zhang, Rapid Characterization of the Genetic Loci Controlling Commodity Traits of Chinese Hami Melon (*Cucumis melo* var.

Saccharinensis Naud.) through Multiplexed Shotgun Genotyping, *Agronomy* 9(8) (2019) 430. (共同一作)

[10] **Shiming Li**, Shuzuo Lv, Kang Yu, Zhanying Wang, Yunfei Li, Xuemei Ni, Xin Jin, Gang Huang, Jie Wang, Shu Cheng, Construction of a high-density genetic map of tree peony (*Paeonia suffruticosa* Andr. Moutan) using restriction site associated DNA sequencing (RADseq) approach, *Tree Genetics & Genomes* 15(4) (2019) 63. (共同一作)

[11] Xilong Chen, **Shiming Li**, Dong Zhang, Mingyu Han, Xin Jin, Caipin Zhao, Songbo Wang, Libo Xing, Juanjuan Ma, Jingjing Ji, Sequencing of a wild apple (*Malus baccata*) genome unravels the differences between cultivated and wild apple species regarding disease resistance and cold tolerance, *G3: Genes, Genomes, Genetics* 9(7) (2019) 2051–2060. (共同一作)

[12] Xingquan Zeng, Yu Guo, Qijun Xu, Martin Mascher, Ganggang Guo, Shuaicheng Li, Likai Mao, Qingfeng Liu, Zhanfeng Xia, Juhong Zhou, Hongjun Yuan, Shuaishuai Tai, Yulin Wang, Zexiu Wei, Li Song, Sang Zha, **Shiming Li**, Yawei Tang, Lijun Bai, Zhenhua Zhuang, Weiming He, Shancen Zhao, Xiaodong Fang, Qiang Gao, Ye Yin, Jian Wang, Huanming Yang, Jing Zhang, Robert J Henry, Nils Stein, Nyima Tashi, Origin and evolution of qingke barley in Tibet, *Nat Commun* 9(1) (2018) 5433.

[13] Li Li, Ao Li, Kai Song, Jie Meng, Ximing Guo, **Shiming Li**, Chunyan Li, Pierre De Wit, Huayong Que, Fucun Wu, Wei Wang, Haigang Qi, Fei Xu, Rihao Cong, Baoyu Huang, Yingxiang Li, Ting Wang, Xueying Tang, Sheng Liu, Busu Li, Ruihui Shi, Youli

Liu, Chen Bu, Chi Zhang, Weiming He, Shancen Zhao, Hongjun Li, Shoudu Zhang, Linlin Zhang, Guofan Zhang, Divergence and plasticity shape adaptive potential of the Pacific oyster, *Nat Ecol Evol* 2(11) (2018) 1751–1760. (共同一作)

二、论著之外的代表性研究成果 - 专利

(1) 侯军亮; 鄢阳天; 倪雪梅; 李刚; **李世明**; 常锋; 崔居多, 与水稻稻瘟病抗性基因 Pi2 紧密连锁的分子标记 R060939/2, 2018/12/3, 中国, 201811471696