

Hou Xilin



Areas of Research

Genetic breeding and molecular biology of vegetables, Bioinformatics, Genomics.

Contact Information

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Education Background

Bachelor: China Agricultural University 1982

Doctor: Nanjing Agricultural University 1998

Visiting scholar: Department of Agriculture, Nagoya University, Japan and Aichi Agricultural Comprehensive Experimental Site, Japan 1986-1987

Work experience

Trainee Assistant, Assistant, Lecturer, Associate Professor, College of Horticulture, Nanjing Agricultural University, 1982-1998

Professor, College of Horticulture, Nanjing Agricultural University, 1999-

Vice Dean, College of Horticulture, Nanjing Agricultural University, 1992.11- 2000.09

Head, College of Horticulture, Nanjing Agricultural University, 2001.03-2013.11

Executive Vice Dean of Graduate School, Director of Graduate Work Department, Director of Degree Office, College of Horticulture, Nanjing Agricultural University, 2013.12-

Deputy Chief of Science and Technology, People's Government of Donghai County, Jiangsu Province, 1998.12-2001.01

Party Secretary, College of Horticulture, Nanjing Agricultural University, 2011.03-2012.05

Honors and Awards

The 10th and 11th Vice Chairman of the Chinese Horticultural Society

Currently Associate Editor of "Journal of Horticulture"

Member of the 7th Disciplinary Appraisal Group of the Academic Degrees Committee of the State Council

Vice Chairman of the Horticultural Teaching Guidance Subcommittee of the Plant Production Specialty of the Ministry of Education

Member of the National Agricultural Professional Degree Postgraduate Education Steering Committee

Engineering Research on the Innovation and Utilization of Horticultural Crop Germplasm of the Ministry of Education Director of the Center

Director of the Key Laboratory of Horticultural Crop Biology and Germplasm Creation in East China, Ministry of Agriculture

National Key Discipline Leader of Vegetable Science,

Member of the 3rd Academic Committee of the State Key Laboratory of Crop Genetics and Germplasm Innovation

Post Scientist of National Bulk Vegetable Industry Technology System

Chief Expert of Jiangsu Province Excellent Variety Cultivation Project Vegetable Collaborative Research Group

Chief Expert of the Cruciferous Vegetable Breeding Innovation Team, Jiangsu Modern Agricultural Industrial Technology System

Discipline leader of "Modern Horticultural Science" in Jiangsu Province

Second Prize of National Technology Invention Award, 2005

Second Prize of Natural Science Award, 2014

Science and Technology Progress Award (Science Popularization) Second Prize, 2015

Second Prize of Jiangsu Higher Education Teaching Achievement Award, 2007

Second Prize of Jiangsu Higher Education Teaching Achievement Award, 2013

Advanced Teacher of "Teaching and Educating People" in Universities under the Ministry of Agriculture, 1991

Young and middle-aged experts with outstanding contributions in Jiangsu Province, 2005

Famous Teachers of Jiangsu Higher Education Institutions, 2007

National Model Teacher, 2007

Special government allowance, 2007

Nanjing Agricultural University's first batch of "Zhongshan Teachers" Award

Special Award for Scientific and Technological Contributions of "Hundred Professors'

Science and Education Rejuvenating Hundred Villages Well-off Project, 2006

County Governor's Special Award, 2005

Southeast University Press, 1998.06, Editor in chief;

《Vegetables》 ISBN 7-5345-4435-5, Science Book, Jiangsu Science and Technology Press, 2004.10, First Deputy Editor;

《The Production Techniques for High Quality Vegetable》 ISBN 7-5345-4417-3, Popular Science Books, Jiangsu Science and Technology Press, 2004.12, Director of Editorial Board;

《Experimental Horticulture》 ISBN 7-04-018644-6, Textbook, Higher Education Press, 2006.02, associated editor;

《The General Theory of Horticulture》 (2nd edition) ISBN 7-04-019134-2, Textbook, Higher Education Press, 2006.05, Editor in chief (ranked second) ;

《The Nutriology of Vegetables》 ISBN 9787-5618-5012-1, Science Book, Tianjin University Press, 2014.06, Lead trial.

Selected Publication

1. Fangling Jiang, Feng Wang, Zhen Wu, Ying Li ,Gongjun Shi, Jingding Hu , Xilin Hou*. Components of the Arabidopsis CBF Cold-Response Pathway Are Conserved in Non-heading Chinese Cabbage. *Plant Mol Biol Rep*,2011, 29:525~532 DOI 10.1007/s11105-010-0256-3
2. Tongkun Liu, Xilin Hou, Jingyi Zhang , Yuping Song ,Shuning Zhang, Ying Li*.A cDNA Clone of BcHSP81-4 from the Sterility Line (Pol CMS) of Non-heading Chinese Cabbage (*Brassica campestris* ssp. *chinensis*). *Plant Mol Biol Rep*,2011, 29:723-732 DOI 10.1007/s11105-010-0285-y
3. Chao Chen, Xilin Hou*, Hongxin Zhang, Guilan Wang, Limin Tian. Induction of *Anthurium andraeanum* "Arizona" tetraploid by colchicine in vitro. *Euphytica*, 2011, 181:137~145 DOI 10.1007/s10681-010-0344-3
4. Jinyan Wang, Xilin Hou*, and Xuedong Yang. Identification of conserved microRNAs and their targets in Chinese cabbage (*Brassica rapa* subsp. *pekinensis*). *Genome*, 2011, 54: 1029~10405.ZHANG Jun-ping, HOU Xi-lin*, YU Tian LI Ying and DONG Hai-yan. Response Surface Optimization of *Nigella glandulifera* Freyn Seed Oil Yield by Supercritical Carbon Dioxide Extraction.*Journal of Integrative Agriculture*, 2012,11 (1): 151~158
6. Hai-Tao Peng, Li Wang, Ying Li, Yan-Xiao Li, Wei Guan, Yang Yang, Xiao-Hai Xu, Xi-Lin Hou*.Differential gene expression in incompatible interaction between turnip mosaic virus and non-heading Chinese cabbage. *Eur J Plant Pathol* , 2012,132:393~406 DOI

10.1007/s10658-011-9885-0

7. Dong Xiao, Ning-Wen Zhang, Jian-Jun Zhao, Guusje Bonnema and Xi-Lin Hou*. Validation of reference genes for real-time quantitative PCR normalisation in non-heading Chinese cabbage. *Functional Plant Biology*, 2012, 39, 342–350 <http://dx.doi.org/10.1071/FP11246>

8. Feng Wang, Xilin Hou*, Jun Tang, Zhen Wang, Shuming Wang, Fangling Jiang, Ying Li. A novel cold-inducible gene from Pak-choi (*Brassica campestris* ssp. *chinensis*), BcWRKY46, enhances the cold, salt and dehydration stress tolerance in transgenic tobacco. *Mol Biol Rep*, 2012,39: 4553~4564, DOI 10.1007/s11033-011-1245-9

9. Xuedong Yang, Feifei Sun, Aisheng Xiong, Feng Wang, Min Kong, Qian Wang, Jinyan Wang, Wei Dai, Xiudong Xia, Xilin Hou*. BcNRT1, a plasma membrane-localized nitrate transporter from non-heading Chinese cabbage. *Mol Biol Rep*, 2012,39:7997-8006, DOI 10.1007/s11033-012-1646-4

10. Tongkun Liu, Ying Li, Changwei Zhang, Yu Qian, Zhen Wang, Xilin Hou*. Overexpression of FLOWERING LOCUS C, Isolated from Non-Heading Chinese Cabbage (*Brassica campestris* ssp. *chinensis* Makino), Influences Fertility in Arabidopsis. *Plant Mol Biol Rep*, 2012,30:1444-1449 DOI 10.1007/s11105-012-0469-8

11. Jingyi Zhang, Changwei Zhang, Yan Cheng, Li Qi, Shumin Wang and Xilin Hou. Microtubule and male sterility in a gene-cytoplasmic male sterile line of non-heading Chinese cabbage. *J Sci Food Agric* 2012, 92:3046–3054

12. Jinyan Wang, Xuedong Yang, Haibin Xu, Xiaoyuan Chi, Min Zhang, Xilin Hou*. Identification and characterization of microRNAs and their target genes in *Brassica oleracea*. *Gene*, 2012, 505:300~308

13. Liu TK (Liu, Tongkun); Li Y (Li, Ying); Ren J (Ren, Jun); Qian Y (Qian, Yu); Yang XD (Yang, Xuedong); Duan WK (Duan, Weike); Hou XL (Hou, Xilin)*. Nitrate or NaCl regulates floral induction in *Arabidopsis thaliana*. *BIOLOGIA*, 2013, 68(2): 215-222, DOI: 10.2478/s11756-013-0004-x

14. J. Y. WANG, X. M. SONG, Y. LI and X. L. HOU*. In-silico detection of EST-SSR markers in three Brassica species and transferability in *B. rapa*. *Journal of Horticultural Science & Biotechnology*, 2013, 88(2):135–140

15. Haitao Peng, Shuyan Li, Li Wang, Ying Li, Yanxiao Li, Changwei Zhang, Xilin Hou*. Turnip mosaic virus induces expression of the LRR II subfamily genes and regulates the salicylic acid signaling pathway in non-heading Chinese cabbage. *Physiological and Molecular Plant Pathology*, 2013,82:64-72

16. T. LIU, Y. LI, J. REN, C. ZHANG, M. KONG, X. SONG, J. ZHOU, and X. HOU*. Over-

expression of BcFLC1 from non-heading Chinese cabbage enhances cold tolerance in Arabidopsis. *BIOLOGIA PLANTARUM*, 2013, 57(2): 262-266

17. T. Liu, C. Zhang, L. Qi, F. Sun and X. Hou*. Cloning and Expression Analysis of a CMS Related Gene BcCoi1 from *Brassica campestris* ssp. *chinensis*. *Russian Journal of Plant Physiology*, 2013, 60 (1):124–130

18. Taiyun Wei, Changwei Zhang, Xilin Hou, He'le'ne Sanfac, Aiming Wang*. The SNARE Protein Syp71 Is Essential for Turnip Mosaic Virus Infection by Mediating Fusion of Virus-Induced Vesicles with Chloroplasts. *PLOS Pathogens* | www.plospathogens.org, May 2013 | Volume 9 | Issue 5 | e1003378

19. Xiaoming Song, Ying Li and Xilin Hou*. Genome-wide analysis of the AP2/ERF transcription factor superfamily in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *BMC Genomics*, 2013, 14:573, doi:10.1186/1471-2164-14-573

20. Dong Xiao, Jian J. Zhao, Xi L. Hou, Ram K. Basnet, Dunia P.D. Carpio, Ning W. Zhang, Johan Bucher, Ke Lin, Feng Cheng, Xiao W. Wang and Guusje Bonnema*. The *Brassica rapa* FLC homologue FLC2 is a key regulator of flowering time, identified through transcriptional co-expression networks. *Journal of Experimental Botany*, 2013, 64 (14): 4503-4516

21. Ge TT, Wang L, Zhang AF, Liu TK, Wang JJ, Hou XL, Li Y*. S haplotype identification by PCR-RFLP in doubled haploid lines and implications in the hybrid breeding of non-heading Chinese cabbage (*Brassica campestris* L. ssp. *chinensis* Makino). *Indian J Genet Plant Breeding*, 2013, 73(4):400-404

22. Ren J, Chen ZW, Duan WK, Song XM, Zhou J, Liu TK, Wang JJ, Hou XL, Li Y*. Comparison of ascorbic acid biosynthesis in different tissues of three non-heading Chinese cabbage cultivars. *Plant Physiol Bioch*, 2013, 73:229-236

23. Ren J, Gao H, Zhou J, Liu TK, Hou XL, Li Y*. Molecular cloning and expression pattern analysis of ascorbate oxidase in non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis*). *Russ J Plant Physl*, 2013, 60 (6): 756-763

24. Wang L, Ge TT, Peng HT, Wang C, Liu TK, Hou XL, Li Y*. Cloning and expression analysis of EXO70A1 gene in Non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis* Makino) *J Integr Agri*, 2013, 10.1016/S2095-3119(13)60580-8

25. Wang L, Peng HT, Ge TT, Liu TK, Hou XL, Li Y*. Identification of differentially accumulating pistil proteins associated with self incompatibility of non-heading Chinese cabbage. *Plant Biology*, 2013, doi:10.1111/plb.12016

26. Wang XH, Song YP, Ren J, Liu TK, Hou XL, Li Y* Response of biomass and photosynthesis in non-heading chinese cabbage to excess copper. *J Anim Plant Sci*, 2013,

23(6):1659-1665

27. Jun Tang, Feng Wang, Zhen Wang, Zhinan Huang, Aisheng Xiong and Xilin Hou*. Characterization and co-expression analysis of WRKY orthologs involved in responses to multiple abiotic stresses in Pak-choi (*Brassica campestris* ssp. *chinensis*). *BMC Plant Biology*, 2013, 13:188

28. Dong Xiao, Huang Wang, Ram Kumar Basnet, Jianjun Zhao, Ke Lin, Xilin Hou*, and Guusje Bonnema*. Genetic Dissection of Leaf Development in *Brassica rapa* Using a Genetical Genomics Approach. *Plant Physiology*, 2014, 164:1309-1325

29. Xiaoming Song, Gaofeng Liu, Weike Duan, Tongkun Liu, Zhinan Huang, Jun Ren, Ying Li, Xilin Hou*. Genome wide identification, classification and expression analysis of the heat shock transcription factor family in Chinese cabbage. *Mol Genet Genomics*, 2014, DOI 10.1007/s00438-014-0833-5

30. Tongkun Liu, Xiaoming Song, Weike Duan, Zhinan Huang, Gaofeng Liu, Ying Li, Xilin Hou*. Genome-Wide Analysis and Expression Patterns of NAC Transcription Factor Family Under Different Developmental Stages and Abiotic Stresses in Chinese Cabbage. *Plant Mol Biol Rep*, 2014, DOI 10.1007/s11105-014-0712-6

31. Xiao-Ming Song, Tongkun Liu, Wei-Ke Duan, Qing-Hua Ma, Jun Ren, Zhen Wang, Ying Li, Xi-Lin Hou*. Genome-wide analysis of the GRAS gene family in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *Genomics*, 2014, 103:135–146

32. Jing Zhuang, Jian Zhang, Xi-Lin Hou, Feng Wang, Ai-Sheng Xiong*. Transcriptomic, Proteomic, Metabolomic and Functional Genomic Approaches for the Study of Abiotic Stress in Vegetable Crops. *Critical Reviews in Plant Sciences*, 2014, 33:225–237

33. J. S. ZHENG, S. N. ZHANG, C. Z. SUN and X. L. HOU*. Karyotype analysis of autotetraploidy in *Brassica rapa* ssp. *chinensis*. *Journal of Horticultural Science & Biotechnology*, 2014, 89(1): 23–28

34. H.-T. PENG, Y.-X. LI, C.-W. ZHANG, Y. LI, and X.-L. HOU*. Chloroplast elongation factor BcEF-Tu responds to turnip mosaic virus infection and heat stress in non-heading Chinese cabbage. *BIOLOGIA PLANTARUM*, 2014, 58 (3): 561-566

35. Weike Duan, Xiaoming Song, Tongkun Liu, Zhinan Huang, Jun Ren, Xilin Hou, Ying Li*. Genome wide analysis of the MADS box gene family in *Brassica rapa* (Chinese cabbage). *Mol Genet Genomics*, DOI 10.1007/s00438-014-0912-7

36. Ying Li, Tongkun Liu, Weike Duan, Xiaoming Song, Gongjun Shi, Jingyi Zhang, Xiaohui Deng, Shuning Zhang, Xilin Hou*. Instability in mitochondrial membranes in Polima cytoplasmic male sterility of *Brassica rapa* ssp. *chinensis*. *Funct Integr Genomics*, 2014, 14:441–451

37. Xiaoming Song†, Ying Li†, Tongkun Liu, Weike Duan, Zhinan Huang, Li Wang, Huawei Tan and Xilin Hou*. Genes associated with agronomic traits in non-heading Chinese cabbage identified by expression profiling. *BMC Plant Biology*, 2014, 14:71
38. Wang, Xuehua; Zhang, Shuo; Hu, Die; Zhao, Xiaojun; Li, Yan; Liu, Tongkun; Wang, Jianjun; Hou, Xilin; Li, Ying*. BcPMI2, isolated from non-heading Chinese cabbage encoding phosphomannose isomerase, improves stress tolerance in transgenic tobacco. *Molecular Biology Reports*, 2014, 41 (4)
39. Hongbing Song, Xiaoming Song , Huanhuan Liu, Tongkun Liu, Ying Li , Xilin Hou*. cDNA Clones and Expression Analysis of cpHSC70 and mtHSC70 in Non-Heading Chinese Cabbage. *Plant Mol Biol Rep*, 2014,32:531–540
40. Xiao-Ming Song, Zhi-Nan Huang, Wei-Ke Duan, Jun Ren, Tong-Kun Liu, Ying Li, Xi-Lin Hou*. Genome-wide analysis of the bHLH transcription factor family in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*). *Mol Genet Genomics*, 2014, 289:77–91
41. Jun Tang , Feng Wang , Xi-Lin Hou* , Zhen Wang ,Zhi-Nan Huang. Genome-Wide Fractionation and Identification of WRKY Transcription Factors in Chinese Cabbage (*Brassica rapa* ssp. *pekinensis*) Reveals Collinearity and Their Expression Patterns Under Abiotic and Biotic Stresses. *Plant Mol Biol Rep*, 2014, 32 (4): 781-795
42. Tongkun Liu, Wei Dai, Feifei Sun,Xuedong Yang, Aisheng Xiong, Xilin Hou*. Cloning and characterization of the nitrate transporter gene BraNRT2.1 in non-heading Chinese cabbage. *Acta Physiol Plant*, 2014, 36:815–823
43. Wang L, Wang C, Ge TT, Wang JJ, Liu TK, Hou XL, Li Y* Expression analysis of self-incompatibility-associated genes in non-heading Chinese cabbage. *Genetics and Molecular Research*,2014,13(3):5025-5035
44. Sun CZ, Wang L, Hu D, Ali Ramuli Maquina Riquicho, Liu TK, Hou XL, Li Y*. Proteomic analysis of non-heading Chinese cabbage infected with *Hyaloperonospora parasitica*. *J of Proteomics*, 2014, 98: 15-30
45. Yanxiao Li , Changwei Zhang, Xiaoming Song , Shanwu Lv , Xilin Hou*.Using an Arabidopsis oligonucleotide microarray to analyze the secretory pathway genes' Response to TuMV infection in *Brassica rapa*. *Physiological and Molecular Plant Pathology*,2014, 88: 85-93
46. Weike Duan, Xiaoming Song, Tongkun Liu, Zhinan Huang, Jun Ren, Xilin Hou, Jianchang Du, andYing Li*. Patterns of evolutionary conservation of ascorbic acid related genes during whole genome triplication in *Brassica rapa*. *Genome Biol. Evol.* 2014,7(1):299–313
47. Jun Ren, Weike Duan, Zhongwen Chen, Shuo Zhang, Xiaoming Song, Tongkun Liu,

Xilin Hou, Ying Li*. Overexpression of the Monodehydroascorbate Reductase Gene from Non-heading Chinese Cabbage Reduces Ascorbate Level and Growth in Transgenic Tobacco. *Plant Mol Biol Rep*, 2015, 33:881–892 DOI 10.1007/s11105-014-0797-y.

48. Tongkun Liu, Yu Qian, Weike Duan, Jun Ren, Xilin Hou and Ying Li*. BcRISP1, isolated from non-heading Chinese cabbage, decreases the seed set of transgenic Arabidopsis. *Horticulture Research*, 2014, 1, 14062, doi: 10.1038 /hortres. 2014.62.

49. Zhen Wang , Feng Wang , Jun Tang , Zhinan Huang , Aisheng Xiong , Xilin Hou*. C-repeat binding factor gene family identified in non-heading Chinese cabbage is functional in abiotic and biotic stress response but different from that in Arabidopsis. *Acta Physiol Plant* , 2014, 36:3217 – 3229

50. Tongkun Liu & Ying Li & Changwei Zhang & Weike Duan & Feiyi Huang & Xilin Hou*. Basic helix–loop–helix transcription factor BcbHLHpol functions as a positive regulator of pollen development in non-heading Chinese cabbage. *Funct Integr Genomics* (2014) 14:731–739

51. Zhang, Y (Zhang, Yu); Zhang, SN (Zhang, Shuning); Ren, J (Ren, Jun); Hou, XL (Hou, Xilin); Xiong, AS (Xiong, Aisheng); Li, Y (Li, Ying); Li, SY (Li, Shuyan); Xu, LJ (Xu, Lijuan). Induction of tetraploidy in non-heading Chinese cabbage (*Brassica campestris* ssp *chinensis* Makino) by colchicine treatment increases the ascorbic acid concentration. *JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY*, 2014, 89:53-60.

52. Zhi-Sheng Xu, Hua-Wei Tan, Feng Wang, Xi-Lin Hou, Ai-Sheng Xiong*. CarrotDB: a genomic and transcriptomic database for carrot. *DATABASE THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION*, 2014, 1–8

53. Zhen Wang , Jun Tang, Rong Hu , Peng Wu , Xi-Lin Hou*, Xiao-Ming Song¹ and Ai-Sheng Xiong. Genome-wide analysis of the R2R3-MYB transcription factor genes in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*) reveals their stress and hormone responsive patterns. *BMC Genomics*, 2015, 16: 17. DOI 10.1186/s12864-015-1216-y.

54. Feifei Sun , Zhen Wang , Xinyu Maoc, Changwei Zhang, Dongsheng Wang, Xia Wang, Xilin Hou*. Overexpression of BcGS2 gene in non-heading Chinese cabbage (*Brassica campestris*) enhanced nitrogen GS activity and total amino acid content in transgenic seedlings. *Scientia Horticulturae*, 2015, 186:129–136

55. Jin-shuang Zheng, Cheng-zhen Sun, Dong Xiao, Shu-ning Zhang, Guusje Bonnema, Xi-lin Hou*. Karyotype variation and conservation in morphotypes of non-heading Chinese cabbage. *Plant systematic and evolution*, 2015, DOI 10.1007/s00606-014-1177-7

56. Rong Hu, Zhen Wang, Peng Wu, Jun Tang, Xilin Hou*. Identification and abiotic stress analysis of calmodulin-binding transcription activator/signal responsive genes in non-heading Chinese cabbage (*Brassica campestris* ssp. *chinensis* Makino). *POJ.*, 2015,

8(2):141-147

57. Shanwu Lv, Changwei Z, Jun Tang, Yanxiao Li, Zhen Wang , Dahua Jiang ,Xilin Hou *.Genome-wide Analysis and Identification of TIR-NBS-LRR Genes in Chinese cabbage (*Brassica rapa* ssp.pekinensis) Reveal Expression Patterns to TuMV Infection. *Physiological and Molecular Plant Pathology*, 2015, 90:1-9. DOI:10.1016/j.pmpp.2015.04.001

58. Xiaoming Song, Tingting Ge, Ying Li and Xilin Hou*.Genome-wide identification of SSR and SNP markers from the non-heading Chinese cabbage for comparative genomic analyses. *BMC Genomics* , 2015, 16: 328. DOI 10.1186/s12864-015-1534-0

59. Aisong Zeng, Jiyong Yan, Lixiao Song, Bing Gao, Yunxia Zhang, Jianqi Li, Huanhuan Liu, Xilin Hou, Ying Li*.Induction and development of microspore-derived embryos in broccoli×white-headed cabbage hybrids microspore culture. *Euphytica*, 2015, 203:261–272. DOI 10.1007/s10681-014-1247-5

60. Aisong Zengb, Yuanyuan Yan, Jiyong Yan, Lixiao Song, Bing Gao, Jianqi Li, Xilin Hou, Ying Li*Microspore embryogenesis and plant regeneration in Brussels sprouts (*Brassica oleracea* L. var. gemmifera).*Scientia Horticulturae*, 2015, 191: 31–37

61. Zhen Wang, Dahua Jiang, Changwei Zhang, Huawei Tan, Yanxiao Li, Shanwu Lv, Xilin Hou*, Xiaoyan Cuid.Genome-wide identification of turnip mosaic virus-responsive microRNAs in non-heading Chinese cabbage byhigh-throughput sequencing. *Gene*, 2015, 571:178-187. doi.org/10.1016/j.gene.2015.06.047

62. Cheng Wang, Weike Duan, Ali RamuliMaquina Riquicho, Zange Jing, Tongkun Liu , Xilin Hou , Ying Li*. Genome-wide survey and expression analysis of the PUB family in Chinese cabbage (*Brassica rapa* ssp.

pekinensis). *Mol Genet Genomics*. DOI 10.1007/s00438-015-1075-x

63. Zhinan Huang, Jun Tang, Weike Duan, Zhen Wang, Xiaoming Song and Xilin Hou*.Molecular evolution, characterization, and expression analysis of SnRK2 gene family in Pak-choi (*Brassica rapa* ssp.chinensis).*Front. Plant Sci.*, DOI 10.3389/fpls.2015.0087964. Xiaoming Song, Weike Duan, Zhinan Huang, Gaofeng Liu, Peng Wu, Tongkun Liu, Ying Li & Xilin Hou*.Comprehensive analysis of the flowering genes in Chinese cabbage and examination of evolutionary pattern of

CO-like genes in plant kingdom. *Scientific Reports* ,5:14631. DOI: 10.1038/srep1463165. Hua-Wei Tan, Xiao-Ming Song, Wei-Ke Duan, Yan Wang, and Xi-Lin Hou*. Genome-wide analysis of the SBP-box gene family in Chinese cabbage (*Brassica rapa* subsp. pekinensis). *Genome*, 2015, 58: 463–477,dx.doi.org/10.1139/gen-2015-0074