

Tao Yan

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PhD Student in Crop Genetics and Breeding

Bio. I am currently a 3rd-year PhD Student at College of Agriculture and Biotechnology, Zhejiang University (ZJU), Hangzhou, China, working with Prof. Lixi Jiang on Crop Genetics and Breeding.

Research interests. My Ph.D research work covers a range of issues : **Population Genetics Evolution and Ecotype Divergence Analysis of oilseed Rape, Genome-wide Association Study (GWAS) of Agronomic Traits**. Currently, I am interested in Transposable Elements Insertion Polymorphisms (TIPs) in Crop Population and genetic basis such as SV, CNV and TIPs etc shapes the diversity of different morphotypes of *B.napus*.

🎓 Education

- Sep 2016 – **PhD Candidate** in Crop Genetics and Breeding, *Zhejiang University (ZJU)*, Hangzhou
College of Agriculture and Biotechnology (CAB)
Advisor : Prof. Lixi Jiang
- Sep 2012 – Jun 2016 **Bachelor of Crop Science**, *Zhejiang University (ZJU)*, Hangzhou
Advisor : Prof. Yinbo Gan

📖 Publications

- Wu D, Liang Z, **Yan T**, et al.(2018). "Whole-genome resequencing of a world-wide collection of rapeseed accessions reveals genetic basis of their ecotype divergence". **Molecular Plant**, DOI : 10.1016/j.molp.2018.11.007.
- Zhou LH, **Yan T**, Chen X, et al.(2018). "Effect of high night temperature on storage lipids and transcriptome changes in developing seeds of oilseed rape (*Brassica napus* L.)". **Journal of Experimental Botany**, 9 : 1721-1733.
- Xuan LJ, Zhang CC, **Yan T**, WU DZ, et al.(2018). "*TRANSPARENT TESTA 4*-mediated flavonoids negatively affect embryonic fatty acid biosynthesis in Arabidopsis". **Plant Cell & Environment**, 4 : 2773-2790.
- YAN T**, XUAN Lijie, JIANG Lixi.(2018). "Effects of flavonoids on fatty acid accumulation and its molecular mechanisms in oil-seed rape". **Journal of Zhejiang University. Agriculture and Life Science**, 3 : 253-258.

☰ Skills

- Programming Skills :** **R/Shell**, Python, Git.
- Bioinformatics :** *master in* **RNA-seq, GWAS, Population Genetic Evolution**.
familiar with most NGS-related techniques.
- Data Science :** *master in* **Data Manipulation and Visualization with R**.
familiar with Data Manipulation with Python and Shell.

🗣 Languages

- English : Reading ● ● ● ● ● CET-6 : 516
 Writing ● ● ● ● ○
 Listening ● ● ● ○ ○
 Speaking ● ● ● ○ ○

🏆 Honors & Awards

- 2017 - 2018 Model Student of Academic Records and Merit Student of Zhejiang University.
- 2013 - 2015 Scholarship and Merit Student of Zhejiang University(2nd-class (<10%), 1 time; 3rd-class (<30%), 1 time).

💡 Interests

- Sports :** Table Tennis, Badminton, Climbing.
- Others :** Movies, Philosophy, Reading, Music, Cycling, Working out.